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1.12 hadoop-yarn-common 2.3.0

1.13 reflectasm 1.09

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1.15 lua 5.2.3

1.16 guava 28.2-jre
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1.28 dbus-glib 0.106 1

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1.47 cxftools-wsdlto-core 3.3.6

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1.48 neo4j-cypher-interpreted-runtime 3.5.4

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* configure.ac, Makefile.am: The original versions were derived from the 
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* atf-c/ui.c: The format_paragraph and format_text functions were 
derived form the ones in the Monotone project, revision 
3a0982da30b228d796df35f98d787c5:ff2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: 
These files were derived from the file_handle, systembuf, pipe and pistream 
classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, 
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, 
extcept the first one, were first implemented in the Buildtool project. 
They were later adapted to be part of Boost.Process and, during that 
process, the shell script was created.

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* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/reflect/Types.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/Cache.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/net/HostAndPort.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/reflect/TypeParameter.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/base/Enums.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/ForwardingLoadingCache.java
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* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/LoadingCache.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/util/concurrent/UncheckedExceptionException.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/math/package-info.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/base/PairwiseEquivalence.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/RemovalCause.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/ForwardingCache.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/RemovalListener.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/cache/package-info.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
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* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/base/Present.java
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* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/base/FinalizablePhantomReference.java
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* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
jar/com/google/common/collection/TreeMultiset.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
jar/com/google/common/eventbus/Subscribe.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
jar/com/google/common/eventbus/DeadEvent.java
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*/opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/collection/ForwardingSortedMultiset.java
*/opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/collection/RegularImmutableSortedMultiset.java
*/opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/primitives/UnsignedLongs.java
*/opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/collection/AbstractRangeSet.java
*/opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/primitives/UnsignedInteger.java

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 * As of 2010/06/11, this method is identical to the (package private) hash
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  jar/com/google/common/hash/HashCodes.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
  jar/com/google/common/collect/TreeRangeSet.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
  jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
  jar/com/google/common/collect/RegularContiguousSet.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
  jar/com/google/common/hash/Funnels.java
* /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-
  jar/com/google/common/hash/Hashing.java
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- /opt/ws_local/PERMITS_SQL/1021437189_1594207563.29/0/guava-15-0-sources-jar/com/google/common/annotations/Beta.java
1.55 jaxb2-basics-tools 0.6.4

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* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-jar/com/jcraft/jsch/jce/HMACSHA256.java
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* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-jar/com/jcraft/jsch/jce/UserAuthPublicKey.java
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* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-jar/com/jcraft/jsch/jce/TripleDESCBC.java
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  * /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-jar/com/jcraft/jsch/OpenSSHConfig.java
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/AES192CTR.java
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/AES256CTR.java
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/TripleDESCTR.java
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/AES128CTR.java
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/ARCFOUR256.java
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/ARCFOUR128.java
* /opt/ws_local/PERMITS_SQL/1046386609_1590042132.17/0/jsch-0-1-53-sources-3-
  jar/com/craft/jsch/jce/ARCFOUR.java

1.58 mawk 1.3.3-17ubuntu2

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1.61 kerberos 1.13.2+dfsg 5ubuntu2.1
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
and the initial implementation of incremental propagation, including the following new or changed files:

- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/kdb/kdb_log.h
- lib/krb5/error_tables/kdb5_err.et
- kprop/kpropd_rpc.c
- kprop/kproplog.c

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import os
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import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'LICENSE' in line or 'License' in line
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
        # DB2 licenses start with '/*-.' and we don't want to change them.
        if line != '' and line != '-':
            text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/* ([^ ]*)( - .*)? */', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'/\*.*?\*/', '', line)
        line = line.strip()
        if not in_comment and '/' in line:
            (line, sep, comment_part) = line.partition('/\*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
            break
            # DB2 licenses start with '/*-.' and we don't want to change them.
            if line != '' and line != '-':
                text_seen = True
    return is_license
elif in_comment and '*/' not in line:
    comment.append(line.lstrip(' ').lstrip())
elif in_comment:
    (comment_part, sep, line) = line.partition('*/')
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                                code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
elif line.strip() != '':
    code_seen = True
    ln += 1

for fname in sys.argv[1:]
    if fname.startswith('.flame'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
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    cmd/krb5/slave/kpropd_rpc.c
    lib/gss_mechs/mech_krb5/et/kdb5_err.c
    lib/gss_mechs/mech_spnego/mehc/gssapiP_spnego.h
    lib/gss_mechs/mech_spnego/mech/spnego_mech.c
    lib/krb5/kadm5/kadm_host_srv_names.c
    lib/krb5/kdb/kdb_convert.c
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<title>MIT Kerberos License information — MIT Kerberos Documentation</title>
<link rel="stylesheet" href="_static/agogo.css" type="text/css" />
<link rel="stylesheet" href="_static/pygments.css" type="text/css" />
<link rel="stylesheet" href="_static/kerb.css" type="text/css" />
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    VERSION: '1.17',
    COLLAPSE_INDEX: false,
    FILE_S SX: '.html',
    HAS_SOURCE: true,
    SOURCELINK_SUFFIX: '.txt'
  };
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
<script type="text/javascript" src="_static/doctools.js"></script>
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in:

- `lib/gssapi/gssapi_err_generic.c`
- `lib/gssapi/mechglue/g_accept_sec_context.c`
- `lib/gssapi/mechglue/g_acquire_cred.c`
- `lib/gssapi/mechglue/g_canon_name.c`
- `lib/gssapi/gssapi.c`
- `lib/gssapi/gssapi.c`
- `lib/gssapi/gssapi.c`
- `lib/gssapi/gssapi.c`
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/mechglue/g_compare_name.c
/lib/gssapi/mechglue/g_context_time.c
/lib/gssapi/mechglue/g_delete_sec_context.c
/lib/gssapi/mechglue/g_dsp_name.c
/lib/gssapi/mechglue/g_dsp_status.c
/lib/gssapi/mechglue/g_exp_sec_context.c
/lib/gssapi/mechglue/g_export_name.c
/lib/gssapi/mechglue/g_glue.c
/lib/gssapi/mechglue/g_imp_name.c
/lib/gssapi/mechglue/g_imp_sec_context.c
/lib/gssapi/mechglue/g_init_sec_context.c
/lib/gssapi/mechglue/g_initialize.c
/lib/gssapi/mechglue/g_inquire_context.c
/lib/gssapi/mechglue/g_inquire_cred.c
/lib/gssapi/mechglue/g_inquire_names.c
and the initial implementation of incremental propagation, including the following new or changed files:

```plaintext
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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.. parsed-literal::

    lib/gssapi/generic/gssapi_err_generic.et
    lib/gssapi/mechglue/g_accept_sec_context.c
    lib/gssapi/mechglue/g_acquire_cred.c
    lib/gssapi/mechglue/g_canon_name.c
    lib/gssapi/mechglue/g_compare_name.c
    lib/gssapi/mechglue/g_context_time.c
    lib/gssapi/mechglue/g_delete_sec_context.c
    lib/gssapi/mechglue/g_dsp_name.c
    lib/gssapi/mechglue/g_dsp_status.c
    lib/gssapi/mechglue/g_dup_name.c
    lib/gssapi/mechglue/g_exp_sec_context.c
    lib/gssapi/mechglue/g_export_name.c
    lib/gssapi/mechglue/g_glue.c
    lib/gssapi/mechglue/g_imp_name.c
    lib/gssapi/mechglue/g_imp_sec_context.c
    lib/gssapi/mechglue/g_init_sec_context.c
    lib/gssapi/mechglue/g_initialize.c
    lib/gssapi/mechglue/g_inquire_context.c
    lib/gssapi/mechglue/g_inquire_cred.c
    lib/gssapi/mechglue/g_inquire_names.c
    lib/gssapi/mechglue/g_process_context.c
    lib/gssapi/mechglue/g_rel_buffer.c
    lib/gssapi/mechglue/g_rel_cred.c
    lib/gssapi/mechglue/g_rel_name.c
    lib/gssapi/mechglue/g_rel_oid_set.c
    lib/gssapi/mechglue/g_seal.c
    lib/gssapi/mechglue/g_sign.c
    lib/gssapi/mechglue/g_store_cred.c
    lib/gssapi/mechglue/g_unseal.c
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.. parsed-literal::

   include/iprop_hdr.h
   kadmin/server/ipropd_svc.c
   lib/kdb/iprop.x
   lib/kdb/kdb_convert.c
   lib/kdb/kdb_log.c
   lib/kdb/kdb_log.h
   lib/krb5/error_tables/kdb5_err.et
   kprop/kpropd_rpc.c
   kprop/kproplog.c

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jar/net/bytebuddy/jar/asm/Label.java
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1.80 sshd-scp 2.1.0
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1.81 pycrypto 2.6.1
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1.87 grok 6.8.0

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*/opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-
jar/com/google/errorprone/annotations/DoNotCall.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/CheckReturnValue.java

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* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/ForOverride.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/Var.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
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* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/RequiredModifiers.java

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* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-
  jar/com/google/errorprone/annotations/NoAllocation.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-
  jar/com/google/errorprone/annotations/concurrent/LockMethod.java

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

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  <xsl:text>
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/*! ile
 *
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 */

#include <config.h>

#include <inttypes.h>
#include <stdbool.h>
#include <stdlib.h>
#include <unistd.h>
#include <string.h>
#include <limits.h>
#include <errno.h>
#ifdef HAVE_LOCALE_H
#include <locale.h>
#endif
#ifdef WITH_IDN_SUPPORT
#ifdef WITH_IDNKIT
#include <idn/result.h>
#include <idn/log.h>
#include <idn/resconf.h>
#include <idn/api.h>
#endif
#ifdef WITH_LIBIDN2
#include <idn2.h>
#endif
#endif /* WITH_IDN_SUPPORT */
#include <dns/byaddr.h>
#ifdef DIG_SIGCHASE
#include <dns/callbacks.h>
#include <dns/dnssec.h>
#include <dns/ds.h>
#include <dns/master.h>
#include <dns/nsec.h>
#include <isc/random.h>
#include <ctype.h>
#endif
#include <dns/fixedname.h>
#include <dns/log.h>
#include <dns/message.h>
#include <dns/name.h>
#include <dns/rcode.h>
#include <dns/rdata.h>
#include <dns/rdataclass.h>
#include <dns/rdatastruct.h>
#include <dns/rdatastruct.h>
#include <dns/rdataset.h>
#include <dns/result.h>
#include <dns/tsig.h>
#include <dst/dst.h>
#include <dst/result.h>

#include <isc/app.h>
#include <isc/base64.h>
#include <isc/entropy.h>
#include <isc/file.h>
#include <isc/hex.h>
#include <isc/lang.h>
#include <isc/log.h>
#include <isc/netaddr.h>
#include <isc/netdb.h>
#include <isc/paseint.h>
#include <isc/print.h>
#include <isc/random.h>
#include <isc/result.h>
#include <isc/safe.h>
#include <isc/serial.h>
#include <isc/sockaddr.h>
#include <isc/string.h>
#include <isc/task.h>
#include <isc/timer.h>
#include <isc/types.h>
#include <isc/util.h>

#include <pk11/site.h>

#include <isccfg/namedconf.h>

#include <lwres/lwres.h>
#include <lwres/net.h>

#include <bind9/getaddresses.h>

#include <dig/dig.h>

#ifdef PKCS11_CRYPTO
#include <pk11/result.h>
#endif

#if ! defined(NS_INADDRSZ)
#define NS_INADDRSZ	4
#endif

#if ! defined(NS_IN6ADDRSZ)
#define NS_IN6ADDRSZ16
#endif
static lwres_context_t *lwctx = NULL;
static lwres_conf_t *lwconf;

dig_lookuplist_t lookup_list;
dig_serverlist_t server_list;
dig_searchlistlist_t search_list;

bool
check_ra = false,
have_ipv4 = false,
have_ipv6 = false,
specified_source = false,
free_now = false,
cancel_now = false,
usesearch = false,
showsearch = false,
qr = false,
is_dst_up = false,
keep_open = false,
verbose = false;
in_port_t port = 53;
unsigned int timeout = 0;
unsigned int extrabytes;
isc_mem_t *mctx = NULL;
isc_log_t *lctx = NULL;
isc_taskmgr_t *taskmgr = NULL;
isc_task_t *global_task = NULL;
isc_timermgr_t *timermgr = NULL;
isc_socketmgr_t *socketmgr = NULL;
isc_sockaddr_t bind_address;
isc_sockaddr_t bind_any;
int sendcount = 0;
int recvcount = 0;
int sockcount = 0;
int ndots = -1;
int tries = 3;
int lookup_counter = 0;

static char servercookie[256]:

#ifdef WITH_IDN_SUPPORT
static void idn_initialize(void);
static isc_result_t idn_locale_to_ace(const char *from,
char *to,
size_t tolen);
#endif /* WITH_IDN_SUPPORT */

#ifdef WITH_IDN_OUT_SUPPORT
static isc_result_t idn_ace_to_locale(const char *from, char *to, size_t tolen);
static isc_result_t output_filter(isc_buffer_t *buffer, unsigned int used_org, bool absolute);
#define MAXDLEN 256

#ifndef WITH_IDNKIT
int idnoptions = 0;
#endif
#endif /* WITH_IDN_OUT_SUPPORT */

isc_socket_t *keep = NULL;
isc_sockaddr_t keepaddr;

/*%
 * Exit Codes:
 *
 *\li 0   Everything went well, including things like NXDOMAIN
 *\li 1   Usage error
 *\li 7   Got too many RR's or Names
 *\li 8   Couldn't open batch file
 *\li 9   No reply from server
 *\li 10  Internal error
 */
int exitcode = 0;
int fatalexit = 0;

char keynametext[MXNAME];
char keyfile[MXNAME] = "";
char keysecret[MXNAME] = "";
unsigned char cookie_secret[33];
unsigned char cookie[8];
dns_name_t *hmacname = NULL;
unsigned int digestbits = 0;
isc_buffer_t *namebuf = NULL;
dns_tsigkey_t *tsigkey = NULL;
bool validated = true;
isc_entropy_t *entp = NULL;
isc_mempool_t *commctx = NULL;
bool debugging = false;
bool debugtiming = false;
bool memdebugging = false;
char *progname = NULL;
dns_mutex_t lookup_lock;
dig_lookup_t *current_lookup = NULL;
#endif DIG_SIGCHASE
isc_result_t get_trusted_key(void);
dns_rdataset_t * sigchase_scanname(dns_rdatatype_t type,
   dns_rdatatype_t covers,
   bool *lookedup,
   dns_name_t *rdata_name);
dns_rdataset_t * chase_scanname_section(dns_message_t *msg,
   dns_name_t *name,
   dns_rdatatype_t type,
   dns_rdatatype_t covers,
   int section);
isc_result_t advanced_rsearch(dns_rdataset_t **rdataset,
   dns_name_t *name,
   dns_rdatatype_t type,
   dns_rdatatype_t covers,
   bool *lookedup);
isc_result_t sigchase_verify_sig_key(dns_name_t *name,
   dns_rdataset_t *rdataset,
   dst_key_t* dnsseckey,
   dns_rdataset_t *sigrdataset);
isc_result_t sigchase_verify_sig(dns_name_t *name,
   dns_rdataset_t *rdataset,
   dns_rdataset_t *keyrdataset,
   dns_rdataset_t *sigrdataset);
isc_result_t sigchase_verify_ds(dns_name_t *name,
   dns_rdataset_t *keyrdataset,
   dns_rdataset_t *dsrdataset);
void sigchase(dns_message_t *msg);
void print_rdata(dns_rdata_t *rdata, isc_mem_t *mctx);
void print_rdataset(dns_name_t *name, dns_rdataset_t *rdataset);
void dup_name(dns_name_t *source, dns_name_t *target);
void free_name(dns_name_t *name);
void dump_database(void);
void dump_database_section(dns_message_t *msg, int section);
dns_rdataset_t * search_type(dns_name_t *name, dns_rdatatype_t type,
   dns_rdatatype_t covers);
isc_result_t contains_trusted_key(dns_name_t *name,
   dns_rdataset_t *rdataset,
   dns_rdataset_t *sigrdataset);
void print_type(dns_rdatatype_t type);
isc_result_t prove_nx_domain(dns_message_t * msg,
   dns_name_t *name,
   dns_name_t * rdata_name,
   dns_rdataset_t ** rdataset,
   dns_rdataset_t ** sigrdataset);
isc_result_t prove_nx_type(dns_message_t * msg, dns_name_t *name,
   dns_rdataset_t *nsec,
   dns_rdataclass_t rdclass,
dns_rdatatype_t type,
dns_name_t * rdata_name,
dns_rdataset_t ** rdataset,
dns_rdataset_t ** sigrdataset);
isc_result_t prove_nx(dns_message_t * msg, dns_name_t * name,
    dns_rdataclass_t rdclass,
    dns_rdatatype_t type,
    dns_name_t * rdata_name,
    dns_rdataset_t ** rdataset,
    dns_rdataset_t ** sigrdataset);
static void nameFromString(const char *str, dns_name_t *p_ret);
int inf_name(dns_name_t * name1, dns_name_t * name2);
isc_result_t removetmpkey(const char *file);
void clean_trustedkey(void);
isc_result_t insert_trustedkey(void *arg, dns_name_t *name,
    dns_rdataset_t *rdataset);
#if DIG_SIGCHASE_BU
isc_result_t getneededrr(dns_message_t *msg);
void sigchase_bottom_up(dns_message_t *msg);
void sigchase_bu(dns_message_t *msg);
#endif
#if DIG_SIGCHASE_TD
isc_result_t initialization(dns_name_t *name);
isc_result_t prepare_lookup(dns_name_t *name);
isc_result_t grandfather_pb_test(dns_name_t * zone_name,
    dns_rdataset_t *sigrdataset);
isc_result_t child_of_zone(dns_name_t *name,
    dns_name_t *zone_name,
    dns_name_t *child_name);
void sigchase_td(dns_message_t *msg);
#endif
char trustedkey[MXNAME] = "";

dns_rdataset_t *chase_rdataset = NULL;
dns_rdataset_t *chase_sigrdataset = NULL;
dns_rdataset_t *chase_dsrdataset = NULL;
dns_rdataset_t *chase_sigsrdataset = NULL;
dns_rdataset_t *chase_keyrdataset = NULL;
dns_rdataset_t *chase_sigskeyrdataset = NULL;
dns_rdataset_t *chase_nsrdataset = NULL;

dns_name_t chase_name; /* the query name */
#if DIG_SIGCHASE_TD
/*
 * the current name is the parent name when we follow delegation
 */
dns_name_t chase_current_name;
/*
* the child name is used for delegation (NS DS responses in AUTHORITY section)
*/
dns_name_t chase_authority_name;
#endif
#endif DIG_SIGCHASE_BU
dns_name_t chase_sighname;
#endif

bool chase_siglookedup = false;
bool chase_keylookedup = false;
bool chase_sighkeylookedup = false;
bool chase_dsslookedup = false;
bool chase_sighsdslookedup = false;
#if DIG_SIGCHASE_TD
bool chase_nslookedup = false;
bool chase_lookedup = false;
#endif

bool delegation_follow = false;
bool grandfather_pb = false;
bool have_response = false;
bool have_delegation_ns = false;
dns_message_t * error_message = NULL;
#endif

bool dsvalidating = false;
bool chase_name_dup = false;

ISC_LIST(dig_message_t) chase_message_list;
ISC_LIST(dig_message_t) chase_message_list2;

#define MAX_TRUSTED_KEY 5
typedef struct struct_trusted_key_list {
dst_key_t * key[MAX_TRUSTED_KEY];
int nb_tk;
} struct_tk_list;

struct_tk_list tk_list = { {NULL, NULL, NULL, NULL, NULL}, 0};
#endif

#define DIG_MAX_ADDRESSES 20

/*%
* Apply and clear locks at the event level in global task.
* Can I get rid of these using shutdown events? XXX
#define LOCK_LOOKUP {
  debug("lock_lookup %s:%d", __FILE__, __LINE__);
  check_result(isc_mutex_lock((&lookup_lock)), "isc_mutex_lock");
  debug("success");
}

#define UNLOCK_LOOKUP {
  debug("unlock_lookup %s:%d", __FILE__, __LINE__);
  check_result(isc_mutex_unlock((&lookup_lock)), "isc_mutex_unlock");
}

/* dynamic callbacks */

#ifdef DIG_SIGCHASE
  isc_result_t
  (*dighost_printrdataset)(dns_name_t *owner_name, dns_rdataset_t *rdataset,
   isc_buffer_t *target);
#endif

isc_result_t
  (*dighost_printmessage)(dig_query_t *query, dns_message_t *msg,
   bool headers);

void
  (*dighost_received)(unsigned int bytes, isc_sockaddr_t *from, dig_query_t *query);

void
  (*dighost_trying)(char *frm, dig_lookup_t *lookup);

void
  (*dighost_shutdown)(void);

/* forward declarations */

static void
  cancel_lookup(dig_lookup_t *lookup);

static void
  recv_done(isc_task_t *task, isc_event_t *event);

static void
  send_udp(dig_query_t *query);

static void
  connect_timeout(isc_task_t *task, isc_event_t *event);

static void
  ...
launch_next_query(dig_query_t *query, bool include_question);

static void
check_next_lookup(dig_lookup_t *lookup);

static bool
next_origin(dig_lookup_t *oldlookup);

static void *
mem_alloc(void *arg, size_t size) {
    return (isc_mem_get(arg, size));
}

static void
mem_free(void *arg, void *mem, size_t size) {
    isc_mem_put(arg, mem, size);
}

char *
next_token(char **stringp, const char *delim) {
    char *res;
    do {
        res = strsep(stringp, delim);
        if (res == NULL)
            break;
    } while (*res == '\0');
    return (res);
}

static int
count_dots(char *string) {
    char *s;
    int i = 0;
    s = string;
    while (*s != '\0') {
        if (*s == '.
            i++;
            s++;
        }
    return (i);
}

static void
hex_dump(isc_buffer_t *b) {
    unsigned int len, i;
    isc_region_t r;
isc_buffer_usedregion(b, &r);

printf("%u bytes\n", r.length);
for (len = 0; len < r.length; len++) {
    printf("%02x ", r.base[len]);
    if (len % 16 == 15) {
        for (i = len - 15; i <= len; i++) {
            if (r.base[i] >= '!' && r.base[i] <= '}
                putchar(r.base[i]);
            else
                putchar('.');
        }
        printf("\n");
    }
    if (len % 16 != 0) {
        for (i = len; (i % 16) != 0; i++)
            fputs("   ", stdout);
        for (i = ((len>>4)<<4); i < len; i++) {
            if (r.base[i] >= '!' && r.base[i] <= '}
                putchar(r.base[i]);
            else
                putchar('.');
        }
        printf("\n");
    }
}

/\*
 * Append 'len' bytes of 'text' at '*p', failing with
 * ISC_R_NOSPACE if that would advance p past 'end'.
 */
static isc_result_t
append(const char *text, size_t len, char **p, char *end) {
    if (*p + len > end)
        return (ISC_R_NOSPACE);
    memmove(*p, text, len);
    *p += len;
    return (ISC_R_SUCCESS);
}

static isc_result_t
reverse_octets(const char *in, char **p, char *end) {
    const char *dot = strchr(in, '.');
    size_t len;

if (dot != NULL) {
    isc_result_t result;
    result = reverse_octets(dot + 1, p, end);
    if (result != ISC_R_SUCCESS)
        return (result);
    result = append(".", 1, p, end);
    if (result != ISC_R_SUCCESS)
        return (result);
    len = (int) (dot - in);
} else {
    len = (int) strlen(in);
}
return (append(in, len, p, end));
}

isc_result_t
get_reverse(char *reverse, size_t len, char *value, bool ip6_int, bool strict)
{
    int r;
    isc_result_t result;
    isc_netaddr_t addr;

    addr.family = AF_INET6;
    r = inet_pton(AF_INET6, value, &addr.type.in6);
    if (r > 0) {
        /* This is a valid IPv6 address. */
        dns_fixedname_t fname;
        dns_name_t *name;
        unsigned int options = 0;
        if (ip6_int)
            options |= DNS_BYADDROPT_IPV6INT;
        name = dns_fixedname_initname(&fname);
        result = dns_byaddr_createptrname2(&addr, options, name);
        if (result != ISC_R_SUCCESS)
            return (result);
        dns_name_format(name, reverse, (unsigned int)len);
        return (ISC_R_SUCCESS);
    }

    /* Not a valid IPv6 address. Assume IPv4.
    * If 'strict' is not set, construct the
    * in-addr.arpa name by blindly reversing
    * octets whether or not they look like integers,
    * so that this can be used for RFC2317 names
    * and such.
    */
char *p = reverse;
char *end = reverse + len;
if (strict && inet_pton(AF_INET, value, &addr.type.in) != 1)
    return (DNS_R_BADDOTTEDQUAD);
result = reverse_octets(value, &p, end);
if (result != ISC_R_SUCCESS)
    return (result);
/* Append .in-addr.arpa. and a terminating NUL. */
result = append(".", 1, &p, end);
if (result != ISC_R_SUCCESS)
    return (result);
return (ISC_R_SUCCESS);
}
}

void fatal(const char *format, ...) {
    va_list args;
    fflush(stdout);
    fprintf(stderr, "%s: ", progname);
    va_start(args, format);
    vfprintf(stderr, format, args);
    va_end(args);
    fprintf(stderr, "\n");
    if (exitcode < 10)
        exitcode = 10;
    if (fatalexit != 0)
        exitcode = fatalexit;
    exit(exitcode);
}

void debug(const char *format, ...) {
    va_list args;
    isc_time_t t;
    if (debugging) {
        fflush(stdout);
        if (debugtiming) {
            TIME_NOW(&t);
            fprintf(stderr, "%u.%06u: ", isc_time_seconds(&t),
                isc_time_nanoseconds(&t) / 1000);
        }
        va_start(args, format);
        vfprintf(stderr, format, args);
        va_end(args);
        fprintf(stderr, "\n");
    }
}
void check_result(isc_result_t result, const char *msg) {
  if (result != ISC_R_SUCCESS) {
    fatal("%s: %s", msg, isc_result_totext(result));
  }
}

/*%
 * Create a server structure, which is part of the lookup structure.
 * This is little more than a linked list of servers to query in hopes
 * of finding the answer the user is looking for
 */

dig_server_t *make_server(const char *servname, const char *userarg) {
  dig_server_t *srv;

  REQUIRE(servname != NULL);

  debug("make_server(%s)", servname);
  srv = isc_mem_allocate(mctx, sizeof(struct dig_server));
  if (srv == NULL)
    fatal("memory allocation failure in %s:%d",
      __FILE__, __LINE__);
  strlcpy(srv->servername, servname, MXNAME);
  strlcpy(srv->userarg, userarg, MXNAME);
  ISC_LINK_INIT(srv, link);
  return (srv);
}

static int addr2af(int lwresaddrtype) {
  int af = 0;

  switch (lwresaddrtype) {
    case LWRES_ADDRTYPE_V4:
      af = AF_INET;
      break;

    case LWRES_ADDRTYPE_V6:
      af = AF_INET6;
      break;
  }

  return (af);
static void
copy_server_list(lwres_conf_t *confdata, dig_serverlist_t *dest) {
    dig_server_t *newsrv;
            sizeof("%4000000000")];
    int af;
    int i;

    debug("copy_server_list()"):
    for (i = 0; i < confdata->nsnext; i++) {
        af = addr2af(confdata->nameservers[i].family);
        if (af == AF_INET && !have_ipv4)
            continue;
        if (af == AF_INET6 && !have_ipv6)
            continue;

        lwres_net_ntop(af, confdata->nameservers[i].address,
                       tmp, sizeof(tmp));
        if (af == AF_INET6 && confdata->nameservers[i].zone != 0) {
            char buf[sizeof("%4000000000")];
            snprintf(buf, sizeof(buf), "%%%u",
                     confdata->nameservers[i].zone);
            strlcat(tmp, buf, sizeof(tmp));
        }
        newsrv = make_server(tmp, tmp);
        ISC_LINK_INIT(newsrv, link);
        ISC_LIST_ENQUEUE(*dest, newsrv, link);
    }
}

void
flush_server_list(void) {
    dig_server_t *s, *ps;

    debug("flush_server_list()");
    s = ISC_LIST_HEAD(server_list);
    while (s != NULL) {
        ps = s;
        s = ISC_LIST_NEXT(s, link);
        ISC_LIST_DEQUEUE(server_list, ps, link);
        isc_mem_free(mctx, ps);
    }
}
void set_nameserver(char *opt) {
  isc_result_t result;
  isc_sockaddr_t sockaddrs[DIG_MAX_ADDRESSES];
  isc_netaddr_t netaddr;
  int count, i;
  dig_server_t *srv;
  char tmp[ISC_NETADDR_FORMATSIZE];

  if (opt == NULL)
    return;

  result = bind9_getaddresses(opt, 0, sockaddrs, DIG_MAX_ADDRESSES, &count);
  if (result != ISC_R_SUCCESS)
    fatal("couldn't get address for '%s': %s", opt, isc_result_totext(result));

  flush_server_list();

  for (i = 0; i < count; i++) {
    isc_netaddr_fromsockaddr(&netaddr, &sockaddrs[i]);
    isc_netaddr_format(&netaddr, tmp, sizeof(tmp));
    srv = make_server(tmp, opt);
    if (srv == NULL)
      fatal("memory allocation failure");
    ISC_LIST_APPEND(server_list, srv, link);
  }
}

static isc_result_t add_nameserver(lwres_conf_t *confdata, const char *addr, int af) {

  int i = confdata->nsnext;

  if (confdata->nsnext >= LWRES_CONFMAXNAMESERVERS)
    return (ISC_R_FAILURE);

  switch (af) {
    case AF_INET:
      confdata->nameservers[i].family = LWRES_ADDRTYPE_V4;
      confdata->nameservers[i].length = NS_INADDRSZ;
      break;
    case AF_INET6:
      confdata->nameservers[i].family = LWRES_ADDRTYPE_V6;
      break;
  }

  return ISC_R_SUCCESS;
}
confdata->nameservers[i].length = NS_IN6ADDRSZ;
break;
default:
return (ISC_R_FAILURE);
}

if (lwres_net_pton(af, addr, &confdata->nameservers[i].address) == 1) {
confdata->nsnext++;
return (ISC_R_SUCCESS);
}
return (ISC_R_FAILURE);
}

/*%
* Produce a cloned server list. The dest list must have already had
* ISC_LIST_INIT applied.
*/
void
clone_server_list(dig_serverlist_t src, dig_serverlist_t *dest) {
dig_server_t *srv, *newsrv;

db="clone_server_list()");
srv = ISC_LIST_HEAD(src);
while (srv != NULL) {
newsrv = make_server(srv->servername, srv->userarg);
ISC_LINK_INIT(newsrv, link);
ISC_LIST_ENQUEUE(*dest, newsrv, link);
srv = ISC_LIST_NEXT(srv, link);
}
}

/*%
* Create an empty lookup structure, which holds all the information needed
* to get an answer to a user's question. This structure contains two
* linked lists: the server list (servers to query) and the query list
* (outstanding queries which have been made to the listed servers).
*/
dig_lookup_t *
make_empty_lookup(void) {
dig_lookup_t *looknew;

db="make_empty_lookup()");

INSIST(!free_now);

looknew = isc_mem_allocate(mctx, sizeof(struct dig_lookup));
if (looknew == NULL)
fatal("memory allocation failure in %s:%d",}
looknew->pending = true;
looknew->textname[0] = 0;
looknew->cmdline[0] = 0;
looknew->rdtype = dns_rdatatype_a;
looknew->qrdtype = dns_rdatatype_a;
looknew->rdclass = dns_rdataclass_in;
looknew->rdtypeset = false;
looknew->rdclassset = false;
looknew->sendspace = NULL;
looknew->sendmsg = NULL;
looknew->name = NULL;
looknew->oname = NULL;
looknew->xfr_q = NULL;
looknew->current_query = NULL;
looknew->doing_xfr = false;
looknew->ixfr_serial = 0;
looknew->trace = false;
looknew->trace_root = false;
looknew->identify = false;
looknew->identify_previous_line = false;
looknew->ignore = false;
looknew->servfail_stops = true;
looknew->besteffort = true;
looknew->dnssec = false;
looknew->ednsflags = 0;
looknew->opcode = dns_opcode_query;
looknew->expire = false;
looknew->nsid = false;
looknew->header_only = false;
looknew->sendcookie = false;
looknew->seenbadcookie = false;
looknew->badcookie = true;
#ifdef WITH_IDN_SUPPORT
looknew->idnin = isatty(1)?(getenv("IDN_DISABLE") == NULL):false;
#else
looknew->idnin = false;
#endif
#ifdef WITH_IDN_OUT_SUPPORT
looknew->idnout = looknew->idnin;
#else
looknew->idnout = false;
#endif
#ifdef DIG_SIGCHASE
looknew->sigchase = false;
#endif
#ifdef DIG_SIGCHASE_TD
looknew->do_topdown = false;
looknew->trace_root_sigchase = false;
looknew->rdtype_sigchaseset = false;
looknew->rdtype_sigchase = dns_rdatatype_any;
looknew->qrdtype_sigchase = dns_rdatatype_any;
looknew->rdclass_sigchase = dns_rdataclass_in;
looknew->rdclass_sigchaseset = false;
#endif
#endif
looknew->udpsize = 0;
looknew->edns = -1;
looknew->recurse = true;
looknew->aaonly = false;
looknew->adflag = false;
looknew->cdflag = false;
looknew->print_unknown_format = false;
looknew->zflag = false;
looknew->ns_search_only = false;
looknew->origin = NULL;
looknew->tsigctx = NULL;
looknew->querysig = NULL;
looknew->retries = tries;
looknew->nsfound = 0;
looknew->tcp_mode = false;
looknew->tcp_mode_set = false;
looknew->ip6_int = false;
looknew->comments = true;
looknew->stats = true;
looknew->section_question = true;
looknew->section_answer = true;
looknew->section_authority = true;
looknew->section_additional = true;
looknew->new_search = false;
looknew->done_as_is = false;
looknew->need_search = false;
looknew->ecs_addr = NULL;
looknew->cookie = NULL;
looknew->ednsopts = NULL;
looknew->ednsoptscnt = 0;
looknew->ednsneg = true;
looknew->mapped = true;
looknew->dscp = -1;
looknew->eoferr = 0;
dns_fixedname_init(&looknew->fdomain);
ISC_LINK_INIT(looknew, link);
ISC_LIST_INIT(looknew->q);
ISC_LIST_INIT(looknew->connecting);
ISC_LIST_INIT(looknew->my_server_list);
return (looknew);
}
#define EDNSOPT_OPTIONS 100U

static void cloneopts(dig_lookup_t *looknew, dig_lookup_t *lookold) {
    size_t len = sizeof(looknew->ednsopts[0]) * EDNSOPT_OPTIONS;
    size_t i;
    looknew->ednsopts = isc_mem_allocate(mctx, len);
    if (looknew->ednsopts == NULL)
        fatal("out of memory");
    for (i = 0; i < EDNSOPT_OPTIONS; i++) {
        looknew->ednsopts[i].code = 0;
        looknew->ednsopts[i].length = 0;
        looknew->ednsopts[i].value = NULL;
    }
    looknew->ednsoptscnt = 0;
    if (lookold == NULL || lookold->ednsopts == NULL)
        return;
    for (i = 0; i < lookold->ednsoptscnt; i++) {
        len = lookold->ednsopts[i].length;
        if (len != 0) {
            INSIST(lookold->ednsopts[i].value != NULL);
            looknew->ednsopts[i].value =
                isc_mem_allocate(mctx, len);
            if (looknew->ednsopts[i].value == NULL)
                fatal("out of memory");
            memmove(looknew->ednsopts[i].value,
                    lookold->ednsopts[i].value, len);
        }
        looknew->ednsopts[i].code = lookold->ednsopts[i].code;
        looknew->ednsopts[i].length = len;
    }
    looknew->ednsoptscnt = lookold->ednsoptscnt;
}

/*%
 * Clone a lookup, perhaps copying the server list. This does not clone
 * the query list, since it will be regenerated by the setup_lookup()
 * function, nor does it queue up the new lookup for processing.
 * Caution: If you don't clone the servers, you MUST clone the server
 * list separately from somewhere else, or construct it by hand.
 */

dig_lookup_t *clone_lookup(dig_lookup_t *lookold, bool servers) {
    dig_lookup_t *looknew;

    debug("clone_lookup()");
INSIST(!free_now);

looknew = make_empty_lookup();
INSIST(looknew != NULL);
strlcpy(looknew->textname, lookold->textname, MXNAME);
#if DIG_SIGCHASE_TD
strlcpy(looknew->textnamesigchase, lookold->textnamesigchase, MXNAME);
#endif
strlcpy(looknew->cmdline, lookold->cmdline, MXNAME);
looknew->qrdtype = lookold->qrdtype;
looknew->rdclass = lookold->rdclass;
looknew->rdtype = lookold->rdtype;
looknew->rdclassset = lookold->rdclassset;
looknew->qrdtype = lookold->qrdtype;
looknew->rdtypeset = lookold->rdtypeset;
looknew->doing_xfr = lookold->doing_xfr;
looknew->ixfr_serial = lookold->ixfr_serial;
looknew->trace = lookold->trace;
looknew->trace_root = lookold->trace_root;
looknew->identify = lookold->identify;
looknew->identify_previous_line = lookold->identify_previous_line;
looknew->ignore = lookold->ignore;
looknew->servfail_stops = lookold->servfail_stops;
looknew->besteffort = lookold->besteffort;
looknew->dnssec = lookold->dnssec;
looknew->ednsflags = lookold->ednsflags;
looknew->opcode = lookold->opcode;
looknew->expire = lookold->expire;
looknew->nsid = lookold->nsid;
looknew->header_only = lookold->header_only;
looknew->sendcookie = lookold->sendcookie;
looknew->seenbadcookie = lookold->seenbadcookie;
looknew->badcookie = lookold->badcookie;
looknew->cookie = lookold->cookie;
if (lookold->ednsopts != NULL) {
    cloneopts(looknew, lookold);
} else {
    looknew->ednsopts = NULL;
    looknew->ednsoptscnt = 0;
}
looknew->ednsneg = lookold->ednsneg;
looknew->mapped = lookold->mapped;
looknew->idnin = lookold->idnin;
looknew->idnout = lookold->idnout;
#ifdef DIG_SIGCHASE
looknew->sigchase = lookold->sigchase;
#endif
#ifdef DIG_SIGCHASE_TD
looknew->do_topdown = lookold->do_topdown;
looknew->trace_root_sigchase = lookold->trace_root_sigchase;
looknew->rdtype_sigchaseset = lookold->rdtype_sigchaseset;
looknew->rdtype_sigchase = lookold->rdtype_sigchase;
looknew->qrdtype_sigchase = lookold->qrdtype_sigchase;
looknew->rdclass_sigchase = lookold->rdclass_sigchase;
looknew->rdclass_sigchaseset = lookold->rdclass_sigchaseset;
#endif
#endif
looknew->udpsize = lookold->udpsize;
looknew->edns = lookold->edns;
looknew->recurse = lookold->recurse;
looknew->aaonly = lookold->aaonly;
looknew->adflag = lookold->adflag;
looknew->cdflag = lookold->cdflag;
looknew->print_unknown_format = lookold->print_unknown_format;
looknew->zflag = lookold->zflag;
looknew->ns_search_only = lookold->ns_search_only;
looknew->tcp_mode = lookold->tcp_mode;
looknew->tcp_mode_set = lookold->tcp_mode_set;
looknew->comments = lookold->comments;
looknew->stats = lookold->stats;
looknew->section_question = lookold->section_question;
looknew->section_answer = lookold->section_answer;
looknew->section_authority = lookold->section_authority;
looknew->section_additional = lookold->section_additional;
looknew->origin = lookold->origin;
looknew->retries = lookold->retries;
looknew->tsigctx = NULL;
looknew->need_search = lookold->need_search;
looknew->done_as_is = lookold->done_as_is;
looknew->dscp = lookold->dscp;
looknew->eoferr = lookold->eoferr;

if (lookold->ecs_addr != NULL) {
  size_t len = sizeof(isc_sockaddr_t);
  looknew->ecs_addr = isc_mem_allocate(mctx, len);
  if (looknew->ecs_addr == NULL)
    fatal("out of memory");
  memmove(looknew->ecs_addr, lookold->ecs_addr, len);
}

dns_name_copy(dns_fixedname_name(&lookold->fdomain),
               dns_fixedname_name(&looknew->fdomain), NULL);

if (servers)
  clone_server_list(lookold->my_server_list,
                   &looknew->my_server_list);
dig_lookup_t *
requeue_lookup(dig_lookup_t *lookold, bool servers) {
    dig_lookup_t *looknew;

    debug("requeue_lookup()");

    lookup_counter++;
    if (lookup_counter > LOOKUP_LIMIT)
        fatal("too many lookups");

    looknew = clone_lookup(lookold, servers);
    INSIST(looknew != NULL);

    debug("before insertion, init@%p -> %p, new@%p -> %p",
          lookold, lookold->link.next, looknew, looknew->link.next);
    ISC_LIST_PREPEND(lookup_list, looknew, link);
    debug("after insertion, init -> %p, new = %p, new -> %p",
          lookold, looknew, looknew->link.next);
    return (looknew);
}

void
setup_text_key(void) {
    isc_result_t result;
    dns_name_t keyname;
    isc_buffer_t secretbuf;
    unsigned int secretsize;
    unsigned char *secretstore;

    debug("setup_text_key()");
    result = isc_buffer_allocate(mctx, &namebuf, MXNAME);
    check_result(result, "isc_buffer_allocate");
    dns_name_init(&keyname, NULL);
    check_result(result, "dns_name_init");
    isc_buffer_putstr(namebuf, keynametext);
    secretsize = (unsigned int) strlen(keysecret) * 3 / 4;

secretstore = isc_mem_allocate(mctx, secretsize);
if (secretstore == NULL)
fatal("memory allocation failure in %s:%d",
     __FILE__, __LINE__);
isc_buffer_init(&secretbuf, secretstore, secretsize);
result = isc_base64_decodestring(keysecret, &secretbuf);
if (result != ISC_R_SUCCESS)
goto failure;

secretsize = isc_buffer_usedlength(&secretbuf);

if (hmacname == NULL) {
result = DST_R_UNSUPPORTEDALG;
goto failure;
}

result = dns_name_fromtext(&keyname, namebuf, dns_rootname, 0, namebuf);
if (result != ISC_R_SUCCESS)
goto failure;

result = dns_tsigkey_create(&keyname, hmacname, secretstore,
    (int)secretsize, false, NULL, 0, 0,
    mctx, NULL, &tsigkey);
failure:
if (result != ISC_R_SUCCESS)
printf(";; Couldn't create key %s: %s\n",
    keynametext, isc_result_totext(result));
else
dst_key_setbits(tsigkey->key, digestbits);

isc_mem_free(mctx, secretstore);
dns_name_invalidate(&keyname);
isc_buffer_free(&namebuf);
}

static isc_result_t
parse_uint_helper(uint32_t *uip, const char *value, uint32_t max,
       const char *desc, int base) {
    uint32_t n;
    isc_result_t result = isc_parse_uint32(&n, value, base);
    if (result == ISC_R_SUCCESS && n > max)
result = ISC_R_RANGE;
if (result != ISC_R_SUCCESS) {
printf("invalid %s '%s': %s\n", desc,
    value, isc_result_totext(result));
return (result);
}
*uip = n;
return (ISC_R_SUCCESS);

isc_result_t
parse_uint(uint32_t *uip, const char *value, uint32_t max,
           const char *desc) {
    return (parse_uint_helper(uip, value, max, desc, 10));
}

isc_result_t
parse_xint(uint32_t *uip, const char *value, uint32_t max,
            const char *desc) {
    return (parse_uint_helper(uip, value, max, desc, 0));
}

static uint32_t
parse_bits(char *arg, const char *desc, uint32_t max) {
    isc_result_t result;
    uint32_t tmp;

    result = parse_uint(&tmp, arg, max, desc);
    if (result != ISC_R_SUCCESS)
        fatal("couldn't parse digest bits");
    tmp = (tmp + 7) & ~0x7U;
    return (tmp);
}

isc_result_t
parse_netprefix(isc_sockaddr_t **sap, const char *value) {
    isc_result_t result = ISC_R_SUCCESS;
    isc_sockaddr_t *sa = NULL;
    struct in_addr in4;
    struct in6_addr in6;
    uint32_t prefix_length = 0xffffffff;
    char *slash = NULL;
    bool parsed = false;
    bool prefix_parsed = false;

    REQUIRE(sap != NULL && *sap == NULL);

    if (strlcpy(buf, value, sizeof(buf)) >= sizeof(buf))
        fatal("invalid prefix '%s'

    sa = isc_mem_allocate(mctx, sizeof(*sa));
    if (sa == NULL)
        fatal("out of memory");
    memset(sa, 0, sizeof(*sa));
if (strcmp(buf, "0") == 0) {
    sa->type.sa.sa_family = AF_UNSPEC;
prefix_length = 0;
goto done;
}

slash = strchr(buf, '/');
if (slash != NULL) {
    *slash = '\0';
    result = isc_parse_uint32(&prefix_length, slash + 1, 10);
    if (result != ISC_R_SUCCESS) {
        fatal("invalid prefix length in '%s': %s\n", value, isc_result_totext(result));
    }
    prefix_parsed = true;
}

if (inet_pton(AF_INET6, buf, &in6) == 1) {
parsed = true;
    isc_sockaddr_fromin6(sa, &in6, 0);
    if (prefix_length > 128)
        prefix_length = 128;
} else if (inet_pton(AF_INET, buf, &in4) == 1) {
parsed = true;
    isc_sockaddr_fromin(sa, &in4, 0);
    if (prefix_length > 32)
        prefix_length = 32;
} else if (prefix_parsed) {
    int i;

    for (i = 0; i < 3 && strlen(buf) < sizeof(buf) - 2; i++) {
        strlcat(buf, ".0", sizeof(buf));
        if (inet_pton(AF_INET, buf, &in4) == 1) {
            parsed = true;
            isc_sockaddr_fromin(sa, &in4, 0);
            break;
        }
    }
}

if (prefix_length > 32)
prefix_length = 32;
}

if (!parsed)
fatal("invalid address '%s'", value);

done:
sa->length = prefix_length;
*sap = sa;

return (ISC_R_SUCCESS);
}

/**
 * Parse HMAC algorithm specification
 */
void
parse_hmac(const char *hmac) {
char buf[20];
size_t len;

REQUIRE(hmac != NULL);

len = strlen(hmac);
if (len >= sizeof(buf))
fatal("unknown key type ’%s’, (%d)len, hmac);
strlcpy(buf, hmac, sizeof(buf));

digestbits = 0;

#ifndef PK11_MD5_DISABLE
if (strcasecmp(buf, "hmac-md5") == 0) {
    hmacname = DNS_TSIG_HMACMD5_NAME;
} else if (strcasecmp(buf, "hmac-md5-", 9) == 0) {
    hmacname = DNS_TSIG_HMACMD5_NAME;
    digestbits = parse_bits(&buf[9], "digest-bits [0..128]", 128);
} else
#endif
if (strcasecmp(buf, "hmac-sha1") == 0) {
    hmacname = DNS_TSIG_HMACSHA1_NAME;
    digestbits = 0;
} else if (strcasecmp(buf, "hmac-sha1-", 10) == 0) {
    hmacname = DNS_TSIG_HMACSHA1_NAME;
    digestbits = parse_bits(&buf[10], "digest-bits [0..160]", 160);
} else if (strcasecmp(buf, "hmac-sha224") == 0) {
    hmacname = DNS_TSIG_HMACSHA224_NAME;
} else if (strcasecmp(buf, "hmac-sha224-", 12) == 0) {
    hmacname = DNS_TSIG_HMACSHA224_NAME;
    digestbits = parse_bits(&buf[12], "digest-bits [0..224]", 224);
} else if (strcasecmp(buf, "hmac-sha256") == 0) {
    hmacname = DNS_TSIG_HMACSHA256_NAME;
} else if (strcasecmp(buf, "hmac-sha256-", 12) == 0) {
    hmacname = DNS_TSIG_HMACSHA256_NAME;
    digestbits = parse_bits(&buf[12], "digest-bits [0..256]", 256);
} else if (strcasecmp(buf, "hmac-sha384") == 0) {
hmacname = DNS_TSIG_HMACSHA384_NAME;
} else if (strncasecmp(buf, "hmac-sha384-", 12) == 0) {
    hmacname = DNS_TSIG_HMACSHA384_NAME;
    digestbits = parse_bits(buf[12], "digest-bits [0..384]", 384);
} else if (strncasecmp(buf, "hmac-sha512-", 12) == 0) {
    hmacname = DNS_TSIG_HMACSHA512_NAME;
    digestbits = parse_bits(&buf[12], "digest-bits [0..512]", 512);
} else {
    fprintf(stderr, "Warning, ignoring "
    "invalid TSIG algorithm \%s\n", buf);
}

/*
 * Get a key from a named.conf format keyfile
 */
static isc_result_t
read_confkey(void) {
    cfg_parser_t *pctx = NULL;
    cfg_obj_t *file = NULL;
    const cfg_obj_t *keyobj = NULL;
    const cfg_obj_t *secretobj = NULL;
    const cfg_obj_t *algorithmobj = NULL;
    const char *keyname;
    const char *secretstr;
    const char *algorithm;
    isc_result_t result;
    if (! isc_file_exists(keyfile))
        return (ISC_R_FILENOTFOUND);

    result = cfg_parser_create(mctx, NULL, &pctx);
    if (result != ISC_R_SUCCESS)
        goto cleanup;

    result = cfg_parse_file(pctx, keyfile, &cfg_type_sessionkey,
                            &file);
    if (result != ISC_R_SUCCESS)
        goto cleanup;

    result = cfg_map_get(file, "key", &keyobj);
    if (result != ISC_R_SUCCESS)
        goto cleanup;

    (void) cfg_map_get(keyobj, "secret", &secretobj);
    (void) cfg_map_get(keyobj, "algorithm", &algorithmobj);
if (secretobj == NULL || algorithmobj == NULL)
    fatal("key must have algorithm and secret");

keyname = cfg_obj_asstring(cfg_map_getname(keyobj));
secretstr = cfg_obj_asstring(secretobj);
algorithm = cfg_obj_asstring(algorithmobj);

strlcpy(keynametext, keyname, sizeof(keynametext));
strlcpy(keysecret, secretstr, sizeof(keysecret));
parse_hmac(algorithm);
setup_text_key();

cleanup:
    if (pctx != NULL) {
        if (file != NULL)
            cfg_obj_destroy(pctx, &file);
        cfg_parser_destroy(&pctx);
    }

    return (result);
}

void
setup_file_key(void) {
    isc_result_t result;
dst_key_t *dstkey = NULL;

dbg("setup_file_key()");

    /* Try reading the key from a K* pair */
    result = dst_key_fromnamedfile(keyfile, NULL,
        DST_TYPE_PRIVATE | DST_TYPE_KEY, mctx,
        &dstkey);

    /* If that didn't work, try reading it as a session.key keyfile */
    if (result != ISC_R_SUCCESS) {
        result = read_confkey();
        if (result == ISC_R_SUCCESS)
            return;
    }

    if (result != ISC_R_SUCCESS) {
        fprintf(stderr, "Couldn't read key from %s: %s\n",
            keyfile, isc_result_totext(result));
        goto failure;
    }

    switch (dst_key_alg(dstkey)) {

#ifndef PK11_MD5_DISABLE
case DST_ALG_HMACMD5:
hmacname = DNS_TSIG_HMACMD5_NAME;
break;
#endif

case DST_ALG_HMACSHA1:
hmacname = DNS_TSIG_HMACSHA1_NAME;
break;
case DST_ALG_HMACSHA224:
hmacname = DNS_TSIG_HMACSHA224_NAME;
break;
case DST_ALG_HMACSHA256:
hmacname = DNS_TSIG_HMACSHA256_NAME;
break;
case DST_ALG_HMACSHA384:
hmacname = DNS_TSIG_HMACSHA384_NAME;
break;
case DST_ALG_HMACSHA512:
hmacname = DNS_TSIG_HMACSHA512_NAME;
break;
default:
printf(";; Couldn't create key %s: bad algorithm\n",
        keynametext);
goto failure;
}
result = dns_tsigkey_createfromkey(dst_key_name(dstkey), hmacname,
        dstkey, false, NULL, 0, 0,
        mctx, NULL, &tsigkey);
if (result != ISC_R_SUCCESS) {
printf(";; Couldn't create key %s: %s\n",
        keynametext, isc_result_totext(result));
goto failure;
}

failure:
if (dstkey != NULL)
dst_key_free(&dstkey);
}

static dig_searchlist_t *
make_searchlist_entry(char *domain) {
    dig_searchlist_t *search;
    search = isc_mem_allocate(mctx, sizeof(*search));
    if (search == NULL)
fatal("memory allocation failure in %s:%d",
        __FILE__, __LINE__);)
    strlcpy(search->origin, domain, MXNAME);
    search->origin[MXNAME-1] = 0;
    ISC_LINK_INIT(search, link);
return (search);
}

static void
clear_searchlist(void) {
dig_searchlist_t *search;
while ((search = ISC_LIST_HEAD(search_list)) != NULL) {
    ISC_LIST_UNLINK(search_list, search, link);
    isc_mem_free(mctx, search);
}
}

static void
create_search_list(lwres_conf_t *confdata) {
    int i;
dig_searchlist_t *search;

dbug("create_search_list()");
clear_searchlist();

    for (i = 0; i < confdata->searchnxt; i++) {
        search = make_searchlist_entry(confdata->search[i]);
        ISC_LIST_APPEND(search_list, search, link);
    }
}

/*%
 * Setup the system as a whole, reading key information and resolv.conf
 * settings.
 */
void
setup_system(bool ipv4only, bool ipv6only) {
dig_searchlist_t *domain = NULL;
lwres_result_t lwresult;
unsigned int lwresflags;
isc_result_t result;

dbug("setup_system()");

    if (ipv4only) {
        if (have_ipv4) {
            isc_net_disableipv6();
            have_ipv6 = false;
        } else {
            fatal("can't find IPv4 networking");
        }
    } else {
        fatal("can't find IPv6 networking");
    }
}
if (ipv6only) {
    if (have_ipv6) {
        isc_net_disableipv4();
        have_ipv4 = false;
    } else {
        fatal("can't find IPv6 networking");
    }
}

lwresflags = LWRES_CONTEXT_SERVERMODE;
if (have_ipv4)
    lwresflags |= LWRES_CONTEXT_USEIPV4;
if (have_ipv6)
    lwresflags |= LWRES_CONTEXT_USEIPV6;

lwresult = lwres_context_create(&lwctx, mctx, mem_alloc, mem_free, lwresflags);
if (lwresult != LWRES_R_SUCCESS)
    fatal("lwres_context_create failed");

lwresult = lwres_conf_parse(lwctx, RESOLV_CONF);
if (lwresult != LWRES_R_SUCCESS && lwresult != LWRES_R_NOTFOUND)
    fatal("parse of %s failed", RESOLV_CONF);

lwconf = lwres_conf_get(lwctx);

/* Make the search list */
if (lwconf->searchnxt > 0)
    create_search_list(lwconf);
else { /* No search list. Use the domain name if any */
    if (lwconf->domainname != NULL) {
        domain = make_searchlist_entry(lwconf->domainname);
        ISC_LIST_APPEND(search_list, domain, link);
        domain = NULL;
    }
}

if (lwconf->resdebug) {
    verbose = true;
    debug("verbose is on");
}
if (ndots == -1) {
    ndots = lwconf->ndots;
    debug("ndots is %d.", ndots);
}
if (lwconf->attempts) {
    tries = lwconf->attempts + 1;
    if (tries < 2)
tries = 2;
debug("tries is %d.", tries);
}
if (lwconf->timeout) {
    timeout = lwconf->timeout;
    debug("timeout is %d.", timeout);
}

/* If user doesn't specify server use nameservers from resolv.conf. */
if (ISC_LIST_EMPTY(server_list))
    copy_server_list(lwconf, &server_list);

/* If we don't find a nameserver fall back to localhost */
if (ISC_LIST_EMPTY(server_list)) {
    if (have_ipv4) {
        lwresult = add_nameserver(lwconf, "127.0.0.1", AF_INET);
        if (lwresult != ISC_R_SUCCESS)
            fatal("add_nameserver failed");
    }
    if (have_ipv6) {
        lwresult = add_nameserver(lwconf, "::1", AF_INET6);
        if (lwresult != ISC_R_SUCCESS)
            fatal("add_nameserver failed");
    }
    copy_server_list(lwconf, &server_list);
}

#ifdef HAVE_SETLOCALE
/* Set locale */
(void)setlocale(LC_ALL, "");
#endif

#ifdef WITH_IDN_SUPPORT
idn_initialize();
#endif

#ifdef WITH_IDN_OUT_SUPPORT
/* Set domain name -> text post-conversion filter. */
result = dns_name_settotextfilter(output_filter);
check_result(result, "dns_name_settotextfilter");
#endif

if (keyfile[0] != 0)
    setup_file_key();
else if (keysecret[0] != 0)
    setup_text_key();
#ifdef DIG_SIGCHASE

...
/* Setup the list of messages for +sigchase */
ISC_LIST_INIT(chase_message_list);
ISC_LIST_INIT(chase_message_list2);
dns_name_init(&chase_name, NULL);
#if DIG_SIGCHASE_TD
  dns_name_init(&chase_current_name, NULL);
  dns_name_init(&chase_authority_name, NULL);
#endif
#if DIG_SIGCHASE_BU
  dns_name_init(&chase_signame, NULL);
#endif

result = isc_entropy_getdata(entp, cookie_secret,
                             sizeof(cookie_secret), NULL, 0);
if (result != ISC_R_SUCCESS)
fatal("unable to generate cookie secret");
}

/*%
* Override the search list derived from resolv.conf by 'domain'.
*/
void
set_search_domain(char *domain) {
  dig_searchlist_t *search;

clear_searchlist();
search = make_searchlist_entry(domain);
ISC_LIST_APPEND(search_list, search, link);
}

/*%
* Setup the ISC and DNS libraries for use by the system.
*/
void
setup_libs(void) {
  isc_result_t result;
  isc_logconfig_t *logconfig = NULL;

designabled("setup_libs()");

#if defined PKCS11_CRYPTO
  pk11_result_register();
#endif
  dns_result_register();

  result = isc_net_probeipv4();
  if (result == ISC_R_SUCCESS)
have_ipv4 = true;

result = isc_net_probeipv6();
if (result == ISC_R_SUCCESS)
    have_ipv6 = true;
if (!have_ipv6 && !have_ipv4)
fatal("can't find either v4 or v6 networking");

result = isc_mem_create(0, 0, &mctx);
check_result(result, "isc_mem_create");
isc_mem_setname(mctx, "dig", NULL);

result = isc_log_create(mctx, &lctx, &logconfig);
check_result(result, "isc_log_create");

isc_log_setcontext(lctx);
dns_log_init(lctx);
dns_log_setcontext(lctx);

result = isc_log_usechannel(logconfig, "default_debug", NULL, NULL);
check_result(result, "isc_log_usechannel");

isc_log_setdebuglevel(lctx, 0);

result = isc_taskmgr_create(mctx, 1, 0, &taskmgr);
check_result(result, "isc_taskmgr_create");

result = isc_task_create(taskmgr, 0, &global_task);
check_result(result, "isc_task_create");
isc_task_setname(global_task, "dig", NULL);

result = isc_timermgr_create(mctx, &timermgr);
check_result(result, "isc_timermgr_create");

result = isc_socketmgr_create(mctx, &socketmgr);
check_result(result, "isc_socketmgr_create");

result = isc_entropy_create(mctx, &entp);
check_result(result, "isc_entropy_create");

result = dst_lib_init(mctx, entp, 0);
check_result(result, "dst_lib_init");
is_dst_up = true;

result = isc_mempool_create(mctx, COMMSIZE, &commctx);
check_result(result, "isc_mempool_create");
isc_mempool_setname(commctx, "COMMPOOL"); /*
6 and 2 set as reasonable parameters for 3 or 4 nameserver systems.

```
isc_mempool_setfreemax(commctx, 6);
isc_mempool_setfillcount(commctx, 2);
```

result = isc_mutex_init(&lookup_lock);
check_result(result, "isc_mutex_init");
}

typedef struct dig_ednsoptname {
  uint32_t code;
  const char *name;
} dig_ednsoptname_t;

dig_ednsoptname_t optnames[] = {
  { 3, "NSID" }, /* RFC 5001 */
  { 5, "DAU" }, /* RFC 6975 */
  { 6, "DHU" }, /* RFC 6975 */
  { 7, "N3U" }, /* RFC 6975 */
  { 8, "ECS" }, /* RFC 7871 */
  { 9, "EXPIRE" }, /* RFC 7314 */
  {10, "COOKIE" }, /* RFC 7873 */
  {11, "KEEPALIVE" }, /* RFC 7828 */
  {12, "PADDING" }, /* RFC 7830 */
  {12, "PAD" }, /* shorthand */
  {13, "CHAIN" }, /* RFC 7901 */
  {14, "KEY-TAG" }, /* RFC 8145 */
  {16, "CLIENT-TAG" }, /* draft-bellis-dnsop-edns-tags */
  {17, "SERVER-TAG" }, /* draft-bellis-dnsop-edns-tags */
  {26946, "DEVICEID" }, /* Brian Hartvigsen */
};

#define N_EDNS_OPTNAMES  (sizeof(optnames) / sizeof(optnames[0]))

void save_opt(dig_lookup_t *lookup, char *code, char *value) {
  isc_result_t result;
  uint32_t num = 0;
  isc_buffer_t b;
  bool found = false;
  unsigned int i;

  if (lookup->ednsopts_cnt >= EDNSOPT_OPTIONS)
    fatal("too many ednsopts");

  for (i = 0; i < N_EDNS_OPTNAMES; i++) {
    if (strcasecmp(code, optnames[i].name) == 0) {
      ...
    }
  }
```
num = optnames[i].code;
found = true;
break;
}
}

if (!found) {
result = parse_uint(&num, code, 65535, "ednsopt");
if (result != ISC_R_SUCCESS)
fatal("bad edns code point: %s", code);
}

if (lookup->ednsopts == NULL) {
cloneopts(lookup, NULL);
}

if (lookup->ednsopts[lookup->ednsoptscnt].value != NULL)
isc_mem_free(mctx, lookup->ednsopts[lookup->ednsoptscnt].value);

lookup->ednsopts[lookup->ednsoptscnt].code = num;
lookup->ednsopts[lookup->ednsoptscnt].length = 0;
lookup->ednsopts[lookup->ednsoptscnt].value = NULL;

if (value != NULL) {
char *buf;
buf = isc_mem_allocate(mctx, strlen(value)/2 + 1);
if (buf == NULL)
fatal("out of memory");
isc_buffer_init(&b, buf, (unsigned int) strlen(value)/2 + 1);
result = isc_hex_decodestring(value, &b);
check_result(result, "isc_hex_decodestring");
lookup->ednsopts[lookup->ednsoptscnt].value =
isc_buffer_base(&b);
lookup->ednsopts[lookup->ednsoptscnt].length =
isc_buffer_usedlength(&b);
}

lookup->ednsoptscnt++;
}

/*%
 * Add EDNS0 option record to a message. Currently, the only supported
 * options are UDP buffer size, the DO bit, and EDNS options
 * (e.g., NSID, COOKIE, client-subnet)
 */
static void
add_opt(dns_message_t *msg, uint16_t udpsize, uint16_t edns,
unsigned int flags, dns_ednsopt_t *opts, size_t count)
{  
dns_rdataset_t *rdataset = NULL;
isc_result_t result;

dbg("add_opt()");
result = dns_message_buildopt(msg, &rdataset, edns, udpsize, flags,
      opts, count);
check_result(result, "dns_message_buildopt");
result = dns_message_setopt(msg, rdataset);
check_result(result, "dns_message_setopt");
}

/*%
 * Add a question section to a message, asking for the specified name,
 * type, and class.
 */
static void
add_question(dns_message_t *message, dns_name_t *name,
    dns_rdataclass_t rdclass, dns_rdatatype_t rdtype)
{
  dns_rdataset_t *rdataset;
  isc_result_t result;

dbg("add_question()");
  rdataset = NULL;
  result = dns_message_gettempdataset(message, &rdataset);
check_result(result, "dns_message_gettempdataset()");
dns_rdataset_makequestion(rdataset, rdclass, rdtype);
ISC_LIST_APPEND(name->list, rdataset, link);
}

/*%
 * Check if we're done with all the queued lookups, which is true iff
 * all sockets, sends, and recvs are accounted for (counters == 0),
 * and the lookup list is empty.
 * If we are done, pass control back out to dighost_shutdown() (which is
 * part of dig.c, host.c, or nslookup.c) to either shutdown the system as
 * a whole or reseed the lookup list.
 */
static void
check_if_done(void) {
  dbg("check_if_done()");
  dbg("list %s", ISC_LIST_EMPTY(lookup_list) ? "empty" : "full");
  if (ISC_LIST_EMPTY(lookup_list) && current_lookup == NULL &&
      sendcount == 0) {
    INSIST(sockcount == 0);
    INSIST(recvcount == 0);
    dbg("shutting down");
  }
dighost_shutdown();
}
}

/*
 * Clear out a query when we're done with it. WARNING: This routine
 * WILL invalidate the query pointer.
 */
static void
clear_query(dig_query_t *query) {
  dig_lookup_t *lookup;

  REQUIRE(query != NULL);

  debug("clear_query(%p)", query);

  if (query->timer != NULL)
    isc_timer_detach(&query->timer);
  lookup = query->lookup;

  if (lookup->current_query == query)
    lookup->current_query = NULL;

  if (ISC_LINK_LINKED(query, link))
    ISC_LIST_UNLINK(lookup->q, query, link);
  if (ISC_LINK_LINKED(query, clink))
    ISC_LIST_UNLINK(lookup->connecting, query, clink);
  if (ISC_LINK_LINKED(&query->recvbuf, link))
    ISC_LIST_DEQUEUE(query->recvlist, &query->recvbuf, link);
  if (ISC_LINK_LINKED(&query->lengthbuf, link))
    ISC_LIST_DEQUEUE(query->lengthlist, &query->lengthbuf, link);
  INSIST(query->recvspace != NULL);

  if (query->sock != NULL) {
    isc_socket_detach(&query->sock);
    sockcount--;
    debug("sockcount=%d", sockcount);
  }
  isc_mempool_put(commctx, query->recvspace);
  isc_buffer_invalidate(&query->recvbuf);
  isc_buffer_invalidate(&query->lengthbuf);
  if (query->waiting_senddone)
    query->pending_free = true;
  else
    isc_mem_free(mctx, query);
}
try_clear_lookup(dig_lookup_t *lookup) {
    dig_query_t *q;
    REQUIRE(lookup != NULL);

    debug("try_clear_lookup\(\%\)", lookup);

    if (ISC_LIST_HEAD(lookup->q) != NULL ||
        ISC_LIST_HEAD(lookup->connecting) != NULL)
    {
        if (debugging) {
            q = ISC_LIST_HEAD(lookup->q);
            while (q != NULL) {
                debug("query to \%s still pending\", q->servname);
                q = ISC_LIST_NEXT(q, link);
            }
            q = ISC_LIST_HEAD(lookup->connecting);
            while (q != NULL) {
                debug("query to \%s still connecting\",
                    q->servname);
                q = ISC_LIST_NEXT(q, clink);
            }
            return (false);
        }
    }

    destroy_lookup(lookup);
    return (true);
}

/*
 * At this point, we know there are no queries on the lookup,
 * so can make it go away also.
 */
destroy_lookup(lookup);
return (true);
}

void
destroy_lookup(dig_lookup_t *lookup) {
    dig_server_t *s;
    void *ptr;

    debug("destroy");
s = ISC_LIST_HEAD(lookup->my_server_list);
while (s != NULL) {
    debug("freeing server %p belonging to %p", s, lookup);
    ptr = s;
    s = ISC_LIST_NEXT(s, link);
    ISC_LIST_DEQUEUE(lookup->my_server_list, (dig_server_t *)ptr, link);
    isc_mem_free(mctx, ptr);
}
if (lookup->sendmsg != NULL)
    dns_message_destroy(&lookup->sendmsg);
if (lookup->querysig != NULL) {
    debug("freeing buffer %p", lookup->querysig);
    isc_buffer_free(&lookup->querysig);
}
if (lookup->sendspace != NULL)
    isc_mempool_put(commctx, lookup->sendspace);
if (lookup->tsigctx != NULL)
    dst_context_destroy(&lookup->tsigctx);
if (lookup->ecs_addr != NULL)
    isc_mem_free(mctx, lookup->ecs_addr);
if (lookup->ednsopts != NULL) {
    size_t i;
    for (i = 0; i < EDNSOPT_OPTIONS; i++) {
        if (lookup->ednsopts[i].value != NULL)
            isc_mem_free(mctx, lookup->ednsopts[i].value);
    }
    isc_mem_free(mctx, lookup->ednsopts);
}
isc_mem_free(mctx, lookup);
}

/*%
 * If we can, start the next lookup in the queue running.
 * This assumes that the lookup on the head of the queue hasn't been
 * started yet. It also removes the lookup from the head of the queue,
 * setting the current_lookup pointer pointing to it.
 */
void
start_lookup(void) {
    debug("start_lookup()");
    if (cancel_now)
        return;
}
/*
 * If there's a current lookup running, we really shouldn't get
 * here.
 */
INSIST(current_lookup == NULL);

current_lookup = ISC_LIST_HEAD(lookup_list);
/*
 * Put the current lookup somewhere so cancel_all can find it
 */
if (current_lookup != NULL) {
    ISC_LIST_DEQUEUE(lookup_list, current_lookup, link);
    #if DIG_SIGCHASE_TD
    if (current_lookup->do_topdown &&
        !current_lookup->rdtype_sigchaseset) {
        dst_key_t *dstkey = NULL;
        isc_buffer_t *b = NULL;
        isc_region_t r;
        isc_result_t result;
        dns_name_t query_name;
        dns_name_t *key_name;
        int i;

        result = get_trusted_key();
        if (result != ISC_R_SUCCESS) {
            printf("\n;; No trusted key, "+sigchase option is disabled\n");
            current_lookup->sigchase = false;
            goto novalidation;
        }
        dns_name_init(&query_name, NULL);
        nameFromString(current_lookup->textname, &query_name);
        for (i = 0; i < tk_list.nb_tk; i++) {
            key_name = dst_key_name(tk_list.key[i]);

            if (dns_name_issubdomain(&query_name, key_name) == true)
                dstkey = tk_list.key[i];
            /*
             * Verify temp is really the lowest
             * WARNING
             */
        }
        if (dstkey == NULL) {
            printf("\n;; The queried zone: ");
            dns_name_print(&query_name, stdout);
            printf(" isn't a subdomain of any Trusted Keys"");
    }
current_lookup->sigchase = false;
free_name(&query_name);
goto novalidation;
}
free_name(&query_name);

current_lookup->rdtype_sigchase = current_lookup->rdtype;
current_lookup->rdtype_sigchaseset = current_lookup->rdtypeset;
current_lookup->rdtype = dns_rdatatype_ns;

current_lookup->qrdtype_sigchase = current_lookup->qrdtype;
current_lookup->qrdtype = dns_rdatatype_ns;

current_lookup->rdclass_sigchase = current_lookup->rdclass;
current_lookup->rdclass_sigchaseset = current_lookup->rdclassset;
current_lookup->rdclass = dns_rdataclass_in;

strlcpy(current_lookup->textnamesigchase, current_lookup->textname, MXNAME);

result = isc_buffer_allocate(mctx, &b, BUFSIZE);
check_result(result, "isc_buffer_allocate");
result = dns_name_totext(dst_key_name(dstkey), false, b);
check_result(result, "dns_name_totext");
isc_buffer_usedregion(b, &r);
r.base[r.length] = '0';
strlcpy(current_lookup->textname, (char*)r.base, MXNAME);
isc_buffer_free(&b);

nameFromString(current_lookup->textnamesigchase, &chase_name);

dns_name_init(&chase_authority_name, NULL);
}
novalidation:
#endif
if (setup_lookup(current_lookup))
do_lookup(current_lookup);
else if (next_origin(current_lookup))
check_next_lookup(current_lookup);
} else {
check_if_done();
}
}

/*%
* If we can, clear the current lookup and start the next one running.
* This calls try_clear_lookup, so may invalidate the lookup pointer.
* /
*/
static void
check_next_lookup(dig_lookup_t *lookup) {

INSIST(!free_now);

dbglnt("check_next_lookup(%p)", lookup);

if (ISC_LIST_HEAD(lookup->q) != NULL) {
dbglnt("still have a worker");
return;
}
if (try_clear_lookup(lookup)) {
current_lookup = NULL;
start_lookup();
}
}

/*%
* Create and queue a new lookup as a followup to the current lookup,
* based on the supplied message and section.  This is used in trace and
* name server search modes to start a new lookup using servers from
* NS records in a reply. Returns the number of followup lookups made.
* /
*/
static int
followup_lookup(dns_message_t *msg, dig_query_t *query, dns_section_t section)
{
dig_lookup_t *lookup = NULL;
dig_server_t *srv = NULL;
dns_rdataset_t *rdataset = NULL;
dns_rdata_t rdata = DNS_RDATA_INIT;
dns_name_t *name = NULL;
isc_result_t result;
bool success = false;
int numLookups = 0;
int num;
isc_result_t lresult, addresses_result;
char bad_namestr[DNS_NAME_FORMATSIZE];
dns_name_t *domain;
bool horizontal = false, bad = false;

INSIST(!free_now);

d debug("following up %s", query-lookup-textname);

addresses_result = ISC_R_SUCCESS;
bad_namesr[0] = 0;
for (result = dns_message_firstname(msg, section);
    result == ISC_R_SUCCESS;
    result = dns_message_nextname(msg, section)) {
    name = NULL;
    dns_message_currentname(msg, section, &name);

    if (section == DNS_SECTION_AUTHORITY) {
        rdataset = NULL;
        result = dns_message_findtype(name, dns_rdatatype_soa, 0, &rdataset);
        if (result == ISC_R_SUCCESS)
            return (0);
    }
    rdataset = NULL;
    result = dns_message_findtype(name, dns_rdatatype_ns, 0, &rdataset);
    if (result != ISC_R_SUCCESS)
        continue;

    debug("found NS set");

    if (query-lookup-trace & query-lookup-trace_root) {
        dns_namereln_t namereln;
        unsigned int nlabels;
        int order;

        domain = dns_fixedname_name(&query-lookup-fdomain);
        namereln = dns_name_fullcompare(name, domain, &order, &nlabels);
        if (namereln == dns_namereln_equal) {
            if (!horizontal)
                printf(";; BAD (HORIZONTAL) REFERRAL\n");
            horizontal = true;
        } else if (namereln != dns_namereln_subdomain) {
            if (!bad)
                printf(";; BAD REFERRAL\n");
            bad = true;
            continue;
        }
    }

for (result = dns_rdataset_first(rdataset);
    result == ISC_R_SUCCESS;
    result = dns_rdataset_next(rdataset)) {
    char namestr[DNS_NAME_FORMATSIZE];
dns_rdata_ns_t ns;

    if (query->lookup->trace_root &&
        query->lookup->nsfound >= MXSERV)
        break;

    dns_rdataset_current(rdataset, &rdata);

    query->lookup->nsfound++;
    result = dns_rdata_tostruct(&rdata, &ns, NULL);
    check_result(result, "dns_rdata_tostruct");
dns_name_format(&ns.name, namestr, sizeof(namestr));
dns_rdata_freestruct(&ns);

    /* Initialize lookup if we've not yet */
    debug("found NS %s", namestr);
    if (!success) {
        success = true;
        lookup_counter++;         
        lookup = requeue_lookup(query->lookup, false);
        cancel_lookup(query->lookup);
        lookup->doing_xfr = false;
        if (!lookup->trace_root &&
            section == DNS_SECTION_ANSWER)
            lookup->trace = false;
        else
            lookup->trace = query->lookup->trace;
        lookup->ns_search_only =
            query->lookup->ns_search_only;
        lookup->trace_root = false;
        if (lookup->ns_search_only)
            lookup->recurse = false;
        domain = dns_fixedname_name(&lookup->fdomain);
        dns_name_copy(name, domain, NULL);
    }
    debug("adding server %s", namestr);
    num = getaddresses(lookup, namestr, &lresult);
    if (lresult != ISC_R_SUCCESS) {
        printf("couldn't get address for '%s': %s\n",
            namestr, isc_result_totext(lresult));
        if (addresses_result == ISC_R_SUCCESS) {

addresses_result = lresult;
strlcpy(bad_namestr, namestr, sizeof(bad_namestr));
}
}
numLookups += num;
dns_rdata_reset(&rdata);
}
}
if (numLookups == 0 && addresses_result != ISC_R_SUCCESS) {
fatal("couldn't get address for '%s': %s", bad_namestr, isc_result_totext(result));
}

if (lookup == NULL &&
    section == DNS_SECTION_ANSWER &&
    (query->lookup->trace || query->lookup->ns_search_only))
return (followup_lookup(msg, query, DNS_SECTION_AUTHORITY));

/*
 * Randomize the order the nameserver will be tried.
 */
if (numLookups > 1) {
uint32_t i, j;
dig_serverlist_t my_server_list;
dig_server_t *next;
ISC_LIST_INIT(my_server_list);

i = numLookups;
for (srv = ISC_LIST_HEAD(lookup->my_server_list);
    srv != NULL;
    srv = ISC_LIST_HEAD(lookup->my_server_list)) {
    INSIST(i > 0);
    isc_random_get(&j);
    j %= i;
    next = ISC_LIST_NEXT(srv, link);
    while (j-- > 0 && next != NULL) {
        srv = next;
        next = ISC_LIST_NEXT(srv, link);
    }
    ISC_LIST_DEQUEUE(lookup->my_server_list, srv, link);
    ISC_LIST_APPEND(my_server_list, srv, link);
    i--;
}
ISC_LIST_APPENDLIST(lookup->my_server_list,
    my_server_list, link);
return (numLookups);
}

/*%
 * Create and queue a new lookup using the next origin from the search
 * list, read in setup_system().
 *
 * Return true iff there was another searchlist entry.
 */
static bool
next_origin(dig_lookup_t *oldlookup) {
    dig_lookup_t *newlookup;
    dig_searchlist_t *search;
    dns_fixedname_t fixed;
    dns_name_t *name;
    isc_result_t result;

    INSIST(!free_now);

    debug("next_origin()");
    debug("following up %s", oldlookup->textname);

    if (!usesearch)
     /*
      * We're not using a search list, so don't even think
      * about finding the next entry.
      */
     return (false);

     /*
     * Check for a absolute name or ndots being met.
     */
     name = dns_fixedname_initname(&fixed);
     result = dns_name_fromstring2(name, oldlookup->textname, NULL,
                                   0, NULL);
     if (result == ISC_R_SUCCESS &
         (dns_name_isabsolute(name) ||
          (int)dns_name_countlabels(name) > ndots))
      return (false);

if (oldlookup->origin == NULL &
    !oldlookup->need_search)
    /*
     * Then we just did rootorg; there's nothing left.
     */
    return (false);
    if (oldlookup->origin == NULL &
        oldlookup->need_search) {
        newlookup = requeue_lookup(oldlookup, true);
}
newlookup->origin = ISC_LIST_HEAD(search_list);
newlookup->need_search = false;
} else {
    search = ISC_LIST_NEXT(oldlookup->origin, link);
    if (search == NULL && oldlookup->done_as_is)
        return (false);
    newlookup = requeue_lookup(oldlookup, true);
    newlookup->origin = search;
}
cancel_lookup(oldlookup);
return (true);
}

/*% 
 * Insert an SOA record into the sendmessage in a lookup. Used for
 * creating IXFR queries.
 */
static void 
insert_soa(dig_lookup_t *lookup) {
    isc_result_t result;
    dns_rdata_soa_t soa;
    dns_rdata_t *rdata = NULL;
    dns_rdatalist_t *rdatalist = NULL;
    dns_rdataset_t *rdataset = NULL;
    dns_name_t *soaname = NULL;
    debug("insert_soa()");
    soa.mctx = mctx;
    soa.serial = lookup->ixfr_serial;
    soa.refresh = 0;
    soa.retry = 0;
    soa.expire = 0;
    soa.minimum = 0;
    soa.common.rdclass = lookup->rdclass;
    soa.common.rdtype = dns_rdatatype_soa;
    dns_name_init(&soa.origin, NULL);
    dns_name_init(&soa.contact, NULL);
    dns_name_clone(dns_rootname, &soa.origin);
    dns_name_clone(dns_rootname, &soa.contact);
    isc_buffer_init(&lookup->rdatabuf, lookup->rdatastore,
 sizeof(lookup->rdatastore));
    result = dns_message_gettemprdata(lookup->sendmsg, &rdata);
    check_result(result, "dns_message_gettemprdata");
result = dns_rdata_fromstruct(rdata, lookup->rdclass,
        dns_rdata_type_soa, &soa,
        &lookup->rdbuf);
check_result(result, "isc_rdata_fromstruct");

result = dns_message_gettemprdatalist(lookup->sendmsg, &rdatalist);
check_result(result, "dns_message_gettemprdatalist");

result = dns_message_gettemprdataset(lookup->sendmsg, &rdataset);
check_result(result, "dns_message_gettemprdataset");

dns_rdatalist_init(rdatalist);
rdatalist->type = dns_rdata_type_soa;
rdatalist->rdclass = lookup->rdclass;
ISC_LIST_APPEND(rdatalist->rdata, rdata, link);

dns_rdatalist_tordataset(rdatalist, rdataset);

result = dns_message_gettempname(lookup->sendmsg, &soaname);
check_result(result, "dns_message_gettempname");
dns_name_init(soaname, NULL);
dns_name_clone(lookup->name, soaname);
ISC_LIST_INIT(soaname->list);
ISC_LIST_APPEND(soaname->list, rdataset, link);
dns_message_addname(lookup->sendmsg, soaname, DNS_SECTION_AUTHORITY);
}

static void
compute_cookie(unsigned char *clientcookie, size_t len) {
    /* XXXMPA need to fix, should be per server. */
    INSIST(len >= 8U);
    memmove(clientcookie, cookie_secret, 8);
}

/*%
* Setup the supplied lookup structure, making it ready to start sending
* queries to servers. Create and initialize the message to be sent as
* well as the query structures and buffer space for the replies. If the
* server list is empty, clone it from the system default list.
*/
bool
setup_lookup(dig_lookup_t *lookup) {
    isc_result_t result;
    uint32_t id;
    unsigned int len;
    dig_server_t *serv;
    dig_query_t *query;
    isc_buffer_t b;
dns_compress_t ccxt;
char store[MXNAME];
char ecsbuf[20];
char cookiebuf[256];
char *origin = NULL;
char *textname = NULL;
#ifdef WITH_IDN_SUPPORT
char idn_origin[MXNAME], idn_textname[MXNAME];
#endif
#ifdef WITH_IDN_OUT_SUPPORT
result = dns_name_settotextfilter(lookup->idnout ?
    output_filter : NULL);
check_result(result, "dns_name_settotextfilter");
#endif

REQUIRE(lookup != NULL);
INSIST(!free_now);

dbg("setup_lookup(%p)", lookup);

result = dns_message_create(mctx, DNS_MESSAGE_INTENTRENDER,
    &lookup->sendmsg);
check_result(result, "dns_message_create");

if (lookup->new_search) {
    dbg("resetting lookup counter.");
    lookup_counter = 0;
}

if (ISC_LIST_EMPTY(lookup->my_server_list)) {
    dbg("cloning server list");
    clone_server_list(server_list, &lookup->my_server_list);
}
result = dns_message_gettempname(lookup->sendmsg, &lookup->name);
check_result(result, "dns_message_gettempname");
dns_name_init(lookup->name, NULL);
isc_buffer_init(&lookup->namebuf, lookup->name_space,
    sizeof(lookup->name_space));
isc_buffer_init(&lookup->onamebuf, lookup->oname_space,
    sizeof(lookup->oname_space));

/*
 * We cannot convert `textname' and `origin' separately.
 * `textname' doesn't contain TLD, but local mapping needs
 * TLD.
 */
textname = lookup->textname;
#ifdef WITH_IDN_SUPPORT
if (lookup->idnin) {
    result = idn_locale_to_ace(textname, idn_textname, sizeof(idn_textname));
    check_result(result, "convert textname to IDN encoding");
    debug("idn_textname: %s", idn_textname);
    textname = idn_textname;
} #endif

/*
 * If the name has too many dots, force the origin to be NULL
 * (which produces an absolute lookup). Otherwise, take the origin
 * we have if there's one in the struct already. If it's NULL, take
 * the first entry in the searchlist iff either usesearch
 * is TRUE or we got a domain line in the resolv.conf file.
 */
if (lookup->new_search) {
    if ((count_dots(textname) >= ndots) || !usesearch) {
        lookup->origin = NULL; /* Force abs lookup */
        lookup->done_as_is = true;
        lookup->need_search = usesearch;
    } else if (lookup->origin == NULL && usesearch) {
        lookup->origin = ISC_LIST_HEAD(search_list);
        lookup->need_search = false;
    } else {
        if (lookup->origin != NULL) {
            debug("trying origin %s", lookup->origin->origin);
            result = dns_message_gettempname(lookup->sendmsg, &lookup->oname);
            check_result(result, "dns_message_gettempname");
            dns_name_init(lookup->oname, NULL);
            /* XXX Helper funct to conv char* to name? */
            origin = lookup->origin->origin;
        } #ifdef WITH_IDN_SUPPORT
        if (lookup->idnin) {
            result = idn_locale_to_ace(origin, idn_origin, sizeof(idn_origin));
            check_result(result, "convert origin to IDN encoding");
            debug("trying idn origin %s", idn_origin);
            origin = idn_origin;
        } #endif
        len = (unsigned int) strlen(origin);
        isc_buffer_init(&b, origin, len);
        isc_buffer_add(&b, len);
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result = dns_name_fromtext(lookup->oname, &b, dns_rootname, 0, &lookup->onamebuf);
if (result != ISC_R_SUCCESS) {
dns_message_puttempname(lookup->sendmsg, &lookup->name);
dns_message_puttempname(lookup->sendmsg, &lookup->oname);
fatal("%s' is not in legal name syntax (%s)", origin, isc_result_totext(result));
}
if (lookup->trace && lookup->trace_root) {
dns_name_clone(dns_rootname, lookup->name);
} else {
dns_fixedname_t fixed;
name = dns_fixedname_initname(&fixed);
len = (unsigned int) strlen(textname);
isc_buffer_init(&b, textname, len);
isc_buffer_add(&b, len);
result = dns_name_fromtext(name, &b, NULL, 0, NULL);
if (result == ISC_R_SUCCESS && !dns_name_isabsolute(name))
    result = dns_name_concatenate(name, lookup->oname, lookup->name, &lookup->namebuf);
else if (result == ISC_R_SUCCESS)
    result = dns_name_copy(name, lookup->name, &lookup->namebuf);
if (result != ISC_R_SUCCESS) {
dns_message_puttempname(lookup->sendmsg, &lookup->oname);
}
else {
    debug("using root origin");
    if (lookup->trace && lookup->trace_root)
        dns_name_clone(dns_rootname, lookup->name);
}
else {
    len = (unsigned int) strlen(textname);
    isc_buffer_init(&b, textname, len);
    isc_buffer_add(&b, len);
    result = dns_name_fromtext(lookup->name, &b,
        dns_rootname, 0,
        &lookup->namebuf);
}
if (result != ISC_R_SUCCESS) {
    dns_message_puttempname(lookup->sendmsg,
        &lookup->name);
    fatal("%s' is not a legal name ",
        "(%s)", lookup->textname,
        isc_result_totext(result));
}
}

/*
 * If this is a trace request, completely disallow recursion after
 * looking up the root name servers, since it's meaningless for traces.
 */
if ((lookup->trace || lookup->ns_search_only) && !lookup->trace_root) {
    lookup->recurse = false;
}

if (lookup->recurse &&
    lookup->rdtype != dns_rdatatype_axfr &&
    lookup->rdtype != dns_rdatatype_ixfr) {
    debug("recursive query");
    lookup->sendmsg->flags |= DNS_MESSAGEFLAG_RD;
}

/* XXX aafalg */
if (lookup->aaonly) {
    debug("AA query");
    lookup->sendmsg->flags |= DNS_MESSAGEFLAG_AA;
}

if (lookup->adflag) {
    debug("AD query");
lookup->sendmsg->flags |= DNS_MESSAGEFLAG_AD;

if (lookup->cdflag) {
d debug("CD query");
lookup->sendmsg->flags |= DNS_MESSAGEFLAG_CD;
}

if (lookup->zflag) {
d debug("Z query");
lookup->sendmsg->flags |= 0x0040U;
}

dns_message_addname(lookup->sendmsg, lookup->name,
 DNS_SECTION_QUESTION);

if (lookup->trace && lookup->trace_root) {
lookup->rdtype = lookup->rdtype;
lookup->rdtype = dns_rdatatype_ns;
}

if ((lookup->rdtype == dns_rdatatype_axfr) ||
(lookup->rdtype == dns_rdatatype_ixfr)) {
/*
 * Force TCP mode if we're doing an axfr.
 */
if (lookup->rdtype == dns_rdatatype_axfr) {
lookup->doing_xfr = true;
lookup->tcp_mode = true;
} else if (lookup->tcp_mode) {
lookup->doing_xfr = true;
}
}

if (!lookup->header_only)
add_question(lookup->sendmsg, lookup->name, lookup->rdclass,
 lookup->rdtype);

/* add_soa */
if (lookup->rdtype == dns_rdatatype_ixfr)
insert_soa(lookup);

/* XXX Insist this? */
lookup->tsigctx = NULL;
lookup->querysig = NULL;
if (tsigkey != NULL) {
d debug("initializing keys");
result = dns_message_settsigkey(lookup->sendmsg, tsigkey);
}
check_result(result, "dns_message_settsigkey");

lookup->sendspace = isc_mempool_get(commctx);
if (lookup->sendspace == NULL)
fatal("memory allocation failure");

result = dns_compress_init(&cctx, -1, mctx);
check_result(result, "dns_compress_init");

d Debug("starting to render the message");
isc_buffer_init(&lookup->renderbuf, lookup->sendspace, COMMSIZE);
result = dns_message_renderbegin(lookup->sendmsg, &cctx,
&lookup->renderbuf);
check_result(result, "dns_message_renderbegin");
if (lookup->udpsize > 0 || lookup->dnssec ||
lookup->edns > -1 || lookup->ecs_addr != NULL)
{
#define MAXOPTS (EDNSOPT_OPTIONS + DNS_EDNSOPTIONS)
dns_ednsopt_t opts[MAXOPTS];
unsigned int flags;
unsigned int i = 0;

if (lookup->udpsize == 0)
lookup->udpsize = 4096;
if (lookup->edns < 0)
lookup->edns = 0;

if (lookup->nsid) {
INSIST(i < MAXOPTS);
opts[i].code = DNS_OPT_NSID;
opts[i].length = 0;
opts[i].value = NULL;
i++;
}

if (lookup->ecs_addr != NULL) {
uint8_t addr[16];
uint16_t family = 0;
uint32_t plen;
struct sockaddr *sa;
struct sockaddr_in *sin;
struct sockaddr_in6 *sin6;
size_t addrl;

sa = &lookup->ecs_addr->type.sa;
plen = lookup->ecs_addr->length;
/* Round up prefix len to a multiple of 8 */
addrl = (plen + 7) / 8;

INSIST(i < MAXOPTS);
opts[i].code = DNS_OPT_CLIENT_SUBNET;
opts[i].length = (uint16_t) addrl + 4;
check_result(result, "isc_buffer_allocate");

/*
 * XXXMUKS: According to RFC7871, "If there is
 * no ADDRESS set, i.e., SOURCE PREFIX-LENGTH is
 * set to 0, then FAMILY SHOULD be set to the
 * transport over which the query is sent."
 *
 * However, at this point we don't know what
 * transport(s) we'll be using, so we can't
 * set the value now. For now, we're using
 * IPv4 as the default the + subnet option
 * used an IPv4 prefix, or for + subnet=0,
 * and IPv6 if the + subnet option used an
 * IPv6 prefix.
 *
 * (For future work: preserve the offset into
 * the buffer where the family field is;
 * that way we can update it in send_udp()
 * or send_tcp_connect() once we know
 * what it ought to be.)
 */
switch (sa->sa_family) {
    case AF_UNSPEC:
        INSIST(plen == 0);
        family = 1;
        break;
    case AF_INET:
        INSIST(plen <= 32);
        family = 1;
        sin = (struct sockaddr_in *) sa;
        memmove(addr, &sin->sin_addr, addrl);
        break;
    case AF_INET6:
        INSIST(plen <= 128);
        family = 2;
        sin6 = (struct sockaddr_in6 *) sa;
        memmove(addr, &sin6->sin6_addr, addrl);
        break;
    default:
        INSIST(0);
        ISC_UNREACHABLE();
isc_buffer_init(&b, ecsbuf, sizeof(ecsbuf));
/* family */
isc_buffer_putuint16(&b, family);
/* source prefix-length */
isc_buffer_putuint8(&b, plen);
/* scope prefix-length */
isc_buffer_putuint8(&b, 0);

/* address */
if (addrl > 0) {
/* Mask off last address byte */
if ((plen % 8) != 0)
addr[addrl - 1] &= ~0U << (8 - (plen % 8));
isc_buffer_putmem(&b, addr, (unsigned)addrl);
}

opts[i].value = (uint8_t *) ecsbuf;
i++;
}

if (lookup->sendcookie) {
INSIST(i < MAXOPTS);
opts[i].code = DNS_OPT_COOKIE;
if (lookup->cookie != NULL) {
isc_buffer_init(&b, cookiebuf, sizeof(cookiebuf));
result = isc_hex_decodestring(lookup->cookie, &b);
check_result(result, "isc_hex_decodestring");
opts[i].value = isc_buffer_base(&b);
opts[i].length = isc_buffer_usedlength(&b);
} else {
compute_cookie(cookie, sizeof(cookie));
opts[i].length = 8;
opts[i].value = cookie;
}
i++;
}

if (lookup->expire) {
INSIST(i < MAXOPTS);
opts[i].code = DNS_OPT_EXPIRE;
opts[i].length = 0;
opts[i].value = NULL;
i++;
}

if (lookup->ednsoptscnt != 0) {
    INSIST(i + lookup->ednsoptscnt <= MAXOPTS);
    memmove(&opts[i], lookup->ednsopts,
            sizeof(dns_ednsopt_t) * lookup->ednsoptscnt);
    i += lookup->ednsoptscnt;
}

flags = lookup->ednsflags;
flags &= ~DNS_MESSAGEEXTFLAG_DO;
if (lookup->dnssec)
    flags |= DNS_MESSAGEEXTFLAG_DO;
add_opt(lookup->sendmsg, lookup->udpsize,
        lookup->edns, flags, opts, i);
}

result = dns_message_rendersection(lookup->sendmsg,
    DNS_SECTION_QUESTION, 0);
check_result(result, "dns_message_rendersection");
result = dns_message_rendersection(lookup->sendmsg,
    DNS_SECTION_AUTHORITY, 0);
check_result(result, "dns_message_rendersection");
result = dns_message_renderend(lookup->sendmsg);
check_result(result, "dns_message_renderend");
dbg("done rendering");

dns_compress_invalidate(&cctx);

/*
 * Force TCP mode if the request is larger than 512 bytes.
 */
if (isc_buffer_usedlength(&lookup->renderbuf) > 512)
    lookup->tcp_mode = true;

lookup->pending = false;

for (serv = ISC_LIST_HEAD(lookup->my_server_list);
    serv != NULL;
    serv = ISC_LIST_NEXT(serv, link)) {
    query = isc_mem_allocate(mctx, sizeof(dig_query_t));
    if (query == NULL)
        fatal("memory allocation failure in %s:%d",
              __FILE__, __LINE__);
    debug("create query %p linked to lookup %p",
          query, lookup);
    query->lookup = lookup;
query->timer = NULL;
query->waiting_connect = false;
query->waiting_senddone = false;
query->pending_free = false;
query->recv_made = false;
query->first_pass = true;
query->first_soa_rcvd = false;
query->second_rr_rcvd = false;
query->first_repeat_rcvd = false;
query->warn_id = true;
query->timedout = false;
query->first_rr_serial = 0;
query->second_rr_serial = 0;
query->servname = serv->servername;
query->userarg = serv->userarg;
query->rr_count = 0;
query->msg_count = 0;
query->byte_count = 0;
query->ixfr_axfr = false;
ISC_LIST_INIT(query->recvlist);
ISC_LIST_INIT(query->lengthlist);
query->sock = NULL;
query->recvspace = isc_mempool_get(commctx);
if (query->recvspace == NULL)
fatal("memory allocation failure");

isc_buffer_init(&query->recvbuf, query->recvspace, COMMSIZE);
isc_buffer_init(&query->lengthbuf, query->lengthspace, 2);
isc_buffer_init(&query->slbuf, query->slspace, 2);
query->sendbuf = lookup->renderbuf;

ISC_LINK_INIT(query, clink);
ISC_LINK_INIT(query, link);
ISC_LIST_ENQUEUE(lookup->q, query, link);
}

/* XXX qrflag, print_query, etc... */
if (!ISC_LIST_EMPTY(lookup->q) && qr) {
extrabytes = 0;
dighost_printmessage(ISC_LIST_HEAD(lookup->q), lookup->sendmsg,
true);
if (lookup->stats)
printf(":: QUERY SIZE: %u\n",
isc_buffer_usedlength(&lookup->renderbuf));
}
return (true);
}
/%  
* Event handler for send completion. Track send counter, and clear out  
* the query if the send was canceled.  
*/  
static void  
send_done(isc_task_t *task, isc_event_t *event) {  
isc_socketevent_t *sevent = (isc_socketevent_t *)event;  
isc_buffer_t *b = NULL;  
dig_query_t *query, *next;  
dig_lookup_t *l;  
REQUIRE(event->ev_type == ISC_SOCKEVENT_SENDDONE);  
UNUSED(_task);  
LOCK_LOOKUP;  

db("send_done()");  
sendcount--;  
db("sendcount=%d", sendcount);  
INSIST(sendcount >= 0);  
for (b = ISC_LIST_HEAD(sevent->bufferlist);  
    b != NULL;  
    ISC_LIST_DEQUEUE(sevent->bufferlist, b, link)) {  
isc_mem_free(mctx, b);  
}  
query = event->ev_arg;  
query->waiting_senddone = false;  
l = query->lookup;  
if (l->ns_search_only && !l->trace_root && !l->tcp_mode) {  
db("sending next, since searching");  
next = ISC_LIST_NEXT(query, link);  
if (next != NULL)  
send_udp(next);  
}  
isc_event_free(&event);  
if (query->pending_free)  
isc_mem_free(mctx, query);  
check_if_done();  
UNLOCK_LOOKUP;  
}
/%  * Cancel a lookup, sending isc_socket_cancel() requests to all outstanding  * IO sockets. The cancel handlers should take care of cleaning up the  * query and lookup structures  */  
static void  
cancel_lookup(dig_lookup_t *lookup)  
{
    dig_query_t *query, *next;

d debug("cancel_lookup()");
    query = ISC_LIST_HEAD(lookup->q);
    while (query != NULL) {
        next = ISC_LIST_NEXT(query, link);
        if (query->sock != NULL) {
            isc_socket_cancel(query->sock, global_task,
                ISC_SOCKCANCEL_ALL);
            check_if_done();
        } else {
            clear_query(query);
        }
        query = next;
    }
    lookup->pending = false;
    lookup->retries = 0;
}

static void  
bringup_timer(dig_query_t *query, unsigned int default_timeout)  
{
    dig_lookup_t *l;
    unsigned int local_timeout;
    isc_result_t result;

d debug("bringup_timer()");

/*  * If the timer already exists, that means we're calling this  * a second time (for a retry). Don't need to recreate it,  * just reset it.  */
1 = query->lookup;
    if (ISC_LINK_LINKED(query, link) && ISC_LIST_NEXT(query, link) != NULL)
        local_timeout = SERVER_TIMEOUT;
    else {
        if (timeout == 0)
            local_timeout = default_timeout;
        else
            local_timeout = timeout;
    }
debug("have local timeout of %d", local_timeout);
isc_interval_set(&l->interval, local_timeout, 0);
if (query->timer != NULL)
isc_timer_detach(&query->timer);
result = isc_timer_create(timermgr, isc_timertype_once, NULL,
&l->interval, global_task, connect_timeout,
query, &query->timer);
check_result(result, "isc_timer_create");
}

static void
force_timeout(dig_query_t *query) {
isc_event_t *event;

dialog("force_timeout ()");

event = isc_event_allocate(mctx, query, ISC_TIMEREVENT_IDLE,
connect_timeout, query,
sizeof(isc_event_t));
if (event == NULL) {
fatal("isc_event_allocate: %s",
isc_result_totext(ISC_R_NOMEMORY));
}
isc_task_send(global_task, &event);

/*
 * The timer may have expired if, for example, get_address() takes
 * long time and the timer was running on a different thread.
 * We need to cancel the possible timeout event not to confuse
 * ourselves due to the duplicate events.
 */
if (query->timer != NULL)
isc_timer_detach(&query->timer);
}

static void
connect_done(isc_task_t *task, isc_event_t *event);

/*%
 * Unlike send_udp, this can't be called multiple times with the same
 * query. When we retry TCP, we requeue the whole lookup, which should
 * start anew.
 */
static void
send_tcp_connect(dig_query_t *query) {
isc_result_t result;
next;
query;
query;
debug("send_tcp_connect(%p)", query);

l = query->lookup;
query->waiting_connect = true;
query->lookup->current_query = query;
result = get_address(query->servname, port, &query->sockaddr);
if (result != ISC_R_SUCCESS) {
/*
 * This servname doesn't have an address. Try the next server
 * by triggering an immediate 'timeout' (we lie, but the effect
 * is the same).
 */
force_timeout(query);
return;
}

if (!l->mapped && isc_sockaddr_pf(&query->sockaddr) == AF_INET6 &&
    IN6_IS_ADDR_V4MAPPED(&query->sockaddr.type.sin6.sin6_addr)) {
    isc_netaddr_t netaddr;
    char buf[ISC_NETADDR_FORMATSIZE];

    isc_netaddr_fromsockaddr(&netaddr, &query->sockaddr);
    isc_netaddr_format(&netaddr, buf, sizeof(buf));
    printf(";; Skipping mapped address '%s\n", buf);

    query->waiting_connect = false;
    if (ISC_LINK_LINKED(query, link))
        next = ISC_LIST_NEXT(query, link);
    else
        next = NULL;
    l = query->lookup;
    clear_query(query);
    if (next == NULL) {
        printf(";; No acceptable nameservers\n");
        check_next_lookup(l);
        return;
    }
    send_tcp_connect(next);
    return;
}

INSIST(query->sock == NULL);

if (keep != NULL && isc_sockaddr_equal(&keepaddr, &query->sockaddr)) {
    sockcount++;
    isc_socket_attach(keep, &query->sock); 
    query->waiting_connect = false;
}
launch_next_query(query, true);
goto search;
}

result = isc_socket_create(socketmgr,
    isc_sockaddr_pf(&query->sockaddr),
    isc_sockettype_tcp, &query->sock);
check_result(result, "isc_socket_create");
sockcount++;
debug("sockcount=%d", sockcount);
if (query->lookup->dscp != -1)
    isc_socket_dscp(query->sock, query->lookup->dscp);
    isc_socket_ipv6only(query->sock, !query->lookup->mapped);
if (specified_source)
    result = isc_socket_bind(query->sock, &bind_address, 
        ISC_SOCKET_REUSEADDRESS);
else {
    if ((isc_sockaddr_pf(&query->sockaddr) == AF_INET) &&
            have_ipv4)
        isc_sockaddr_any(&bind_any);
    else
        isc_sockaddr_any6(&bind_any);
    result = isc_socket_bind(query->sock, &bind_any, 0);
}
check_result(result, "isc_socket_bind");
bringup_timer(query, TCP_TIMEOUT);
result = isc_socket_connect(query->sock, &query->sockaddr, 
    global_task, connect_done, query);
check_result(result, "isc_socket_connect");
search:
/*
 * If we're at the endgame of a nameserver search, we need to
 * immediately bring up all the queries. Do it here.
 */
if (l->ns_search_only && !l->trace_root) {
    debug("sending next, since searching");
    if (ISC_LINK_LINKED(query, link)) {
        next = ISC_LIST_NEXT(query, link);
        ISC_LIST_DEQUEUE(l->q, query, link);
    } else
        next = NULL;
    ISC_LIST_ENQUEUE(l->connecting, query, clink);
    if (next != NULL)
        send_tcp_connect(next);
}

static isc_buffer_t *
clone_buffer(isc_buffer_t *source) {
    isc_buffer_t *buffer;
    buffer = isc_mem_allocate(mctx, sizeof(*buffer));
    if (buffer == NULL)
        fatal("memory allocation failure in %s:%d",
             __FILE__, __LINE__);
    *buffer = *source;
    return (buffer);
}

/*%*/
/* Send a UDP packet to the remote nameserver, possible starting the */
/* recv action as well. Also make sure that the timer is running and */
/* is properly reset. */
static void
send_udp(dig_query_t *query) {
    dig_lookup_t *l = NULL;
    isc_result_t result;
    isc_buffer_t *sendbuf;
    dig_query_t *next;

debug("send_udp(%p)", query);

    l = query->lookup;
    bringup_timer(query, UDP_TIMEOUT);
    l->current_query = query;
    debug("working on lookup %p, query %p", query->lookup, query);
    if (!query->recv_made) {
        /* XXX Check the sense of this, need assertion? */
        query->waiting_connect = false;
        result = get_address(query->servname, port, &query->sockaddr);
        if (result != ISC_R_SUCCESS) {
            /* This servname doesn't have an address. */
            force_timeout(query);
            return;
        }
        if (!l->mapped &&
            isc_sockaddr_pf(&query->sockaddr) == AF_INET6 &&
            IN6_IS_ADDR_V4MAPPED(&query->sockaddr.type.sin6.sin6_addr)) {
            isc_netaddr_t netaddr;
            char buf[ISC_NETADDR_FORMATSIZE];

            isc_netaddr_fromsockaddr(&netaddr, &query->sockaddr);
            isc_netaddr_format(&netaddr, buf, sizeof(buf));
            printf(";; Skipping mapped address ":%s
", buf);
        }
    }
}
next = ISC_LIST_NEXT(query, link);
l = query->lookup;
clear_query(query);
if (next == NULL) {
    printf(";; No acceptable nameservers\n");
    check_next_lookup(l);
} else {
    send_udp(next);
}
return;

result = isc_socket_create(socketmgr,
    isc_sockaddr_pf(&query->sockaddr),
    isc_sockettype_udp, &query->sock);
check_result(result, "isc_socket_create");
sockcount++;
d_debug("sockcount=%d", sockcount);
if (query->lookup->dscp != -1)
    isc_socket_dscp(query->sock, query->lookup->dscp);
isc_socket_ipv6only(query->sock,
    !query->lookup->mapped);
if (specified_source) {
    result = isc_socket_bind(query->sock, &bind_address,
        ISC_SOCKET_REUSEADDRESS);
} else {
    isc_sockaddr_anyofpf(&bind_any,
        isc_sockaddr_pf(&query->sockaddr));
    result = isc_socket_bind(query->sock, &bind_any, 0);
}
check_result(result, "isc_socket_bind");

query->recv_made = true;
ISC_LINK_INIT(&query->recvbuf, link);
ISC_LIST_ENQUEUE(query->recvlist, &query->recvbuf, link);
d_debug("recving with lookup=%p, query=%p, sock=%p",
    query->lookup, query, query->sock);
result = isc_socket_recvv(query->sock, &query->recvlist, 1,
    global_task, recv_done, query);
check_result(result, "isc_socket_recvv");
recvcount++;
d_debug("recvcount=%d", recvcount);
}
ISC_LIST_INIT(query->sendlist);
sendbuf = clone_buffer(&query->sendbuf);
ISC_LIST_ENQUEUE(query->sendlist, sendbuf, link);
d_debug("sending a request");
TIME_NOW(&query->time_sent);
INSIST(query->sock != NULL);
query->waiting_senddone = true;
result = isc_socket_sendtov2(query->sock, &query->sendlist,
   global_task, send_done, query,
   &query->sockaddr, NULL,
   ISC_SOCKFLAG_NORETRY);
check_result(result, "isc_socket_sendtov");
sendcount++;
}

/*%
 * If there are more servers available for querying within 'lookup', initiate a
 * TCP or UDP query to the next available server and return true; otherwise,
 * return false.
 */
static bool
try_next_server(dig_lookup_t *lookup) {
    dig_query_t *current_query, *next_query;

    current_query = lookup->current_query;
    if (current_query == NULL || !ISC_LINK_LINKED(current_query, link)) {
        return (false);
    }

    next_query = ISC_LIST_NEXT(current_query, link);
    if (next_query == NULL) {
        return (false);
    }

    debug("trying next server...");

    if (lookup->tcp_mode) {
        send_tcp_connect(next_query);
    } else {
        send_udp(next_query);
    }

    return (true);
}

/*%
 * IO timeout handler, used for both connect and recv timeouts. If
 * retries are still allowed, either resend the UDP packet or queue a
 * new TCP lookup. Otherwise, cancel the lookup.
 */
static void
connect_timeout(isc_task_t *task, isc_event_t *event) {

dig_lookup_t *l = NULL;
dig_query_t *query = NULL;

UNUSED(task);
REQUIRE(event->ev_type == ISC_TIMEREVENT_IDLE);

debug("connect_timeout()");

LOCK_LOOKUP;
query = event->ev_arg;
l = query->lookup;
isc_event_free(&event);

INSIST(!free_now);

if (cancel_now) {
    UNLOCK_LOOKUP;
    return;
}

if (try_next_server(l)) {
    if (l->tcp_mode) {
        if (query->sock != NULL) {
            isc_socket_cancel(query->sock, NULL,
                ISC_SOCKCANCEL_ALL);
        } else {
            clear_query(query);
        }
    }
    UNLOCK_LOOKUP;
    return;
}

if (l->tcp_mode && query->sock != NULL) {
    query->timedout = true;
    isc_socket_cancel(query->sock, NULL, ISC_SOCKCANCEL_ALL);
}

if (l->retries > 1) {
    if (!l->tcp_mode) {
        l->retries--;
        debug("resending UDP request to first server");
        send_udp(ISC_LIST_HEAD(l->q));
    } else {
        debug("making new TCP request, %d tries left",
            l->retries);
        l->retries--;
        requeue_lookup(l, true);
cancel_lookup(l);
check_next_lookup(l);
}
} else {
if (!l->ns_search_only) {
    fputs(l->cmdline, stdout);
    printf(";; connection timed out; no servers could be "
           "reached\n");
}
cancel_lookup(l);
check_next_lookup(l);
if (exitcode < 9)
    exitcode = 9;
}
UNLOCK_LOOKUP;
}

/*%
 * Event handler for the TCP recv which gets the length header of TCP
 * packets. Start the next recv of length bytes.
 */
static void
tcp_length_done(isc_task_t *task, isc_event_t *event) {
    isc_socketevent_t *sevent;
    isc_buffer_t *b = NULL;
    isc_result_t result;
    dig_query_t *query = NULL;
    dig_lookup_t *l, *n;
    uint16_t length;

    REQUIRE(event->ev_type == ISC_SOCKEVENT_RECVDONE);
    INSIST(!free_now);

    UNUSED(task);

    debug("tcp_length_done()");

    LOCK_LOOKUP;
    sevent = (isc_socketevent_t *)event;
    query = event->ev_arg;

    recvcount--;
    INSIST(recvcount >= 0);

    b = ISC_LIST_HEAD(sevent->bufferlist);
    INSIST(b == &query->lengthbuf);
    ISC_LIST_DEQUEUE(sevent->bufferlist, b, link);
if (sevent->result == ISC_R_CANCELED) {
    isc_event_free(&event);
    l = query->lookup;
    clear_query(query);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}
if (sevent->result != ISC_R_SUCCESS) {
    char sockstr[ISC_SOCKADDR_FORMATSIZE];
    isc_sockaddr_format(&query->sockaddr, sockstr,
                        sizeof(sockstr));
    printf(";; communications error to %s: %s\n",
           sockstr, isc_result_totext(sevent->result));
    if (keep != NULL) 
        isc_socket_detach(keep);
    l = query->lookup;
    isc_socket_detach(&query->sock);
    sockcount--;
    debug("sockcount=%d", sockcount);
    INSIST(sockcount >= 0);
    if (sevent->result == ISC_R_EOF && l->eoferr == 0U) {
        n = requeue_lookup(l, true);
        n->eoferr++;
    }
    isc_event_free(&event);
    clear_query(query);
    cancel_lookup(l);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}
length = isc_buffer_getuint16(b);
if (length == 0) {
    isc_event_free(&event);
    launch_next_query(query, false);
    UNLOCK_LOOKUP;
    return;
}
/*
 * Even though the buffer was already init'ed, we need
 * to redo it now, to force the length we want.
 */
isc_buffer_invalidate(&query->recvbuf);
isc_buffer_init(&query->recvbuf, query->recvspace, length);
ENSURE(ISC_LIST_EMPTY(query->recvlist));
ISC_LINK_INIT(&query->recvbuf, link);
ISC_LIST_ENQUEUE(query->recvlist, &query->recvbuf, link);
dbgaug("receiving with lookup=%p, query=%p", query->lookup, query);
result = isc_socket_recv(query->sock, &query->recvlist, length, task,
recv_done, query);
check_result(result, "isc_socket_recv");
recvcount++;
dbgaug("resubmitted recv request with length %d, recvcount=%d",
    length, recvcount);
isc_event_free(&event);
UNLOCK_LOOKUP;
}

/*
 * For transfers that involve multiple recvs (XFR's in particular),
 * launch the next recv.
 */
static void
launch_next_query(dig_query_t *query, bool include_question) {
    isc_result_t result;
dig_lookup_t *l;
isc_buffer_t *buffer;

    INSIST(!free_now);

dbgaug("launch_next_query()");

    if (!query->lookup->pending) {
        dbgaug("ignoring launch_next_query because !pending");
isoc_socket_detach(&query->sock);
sockcount--;
dbgaug("sockcount=%d", sockcount);
INSIST(sockcount >= 0);
query->waiting_connect = false;
l = query->lookup;
clear_query(query);
check_next_lookup(l);
return;
    }

    isc_buffer_clear(&query->slbuf);
isc_buffer_clear(&query->lengthbuf);
isc_buffer_putuint16(&query->slbuf, (uint16_t) query->sendbuf.used);
ISC_LIST_INIT(query->sendlist);
ISC_LINK_INIT(&query->slbuf, link);
if (!query->first_soa_rcvd) {
    buffer = clone_buffer(&query->slbuf);
    ISC_LIST_ENQUEUE(query->sendlist, buffer, link);
if (include_question) {

buffer = clone_buffer(&query->sendbuf);
ISC_LIST_ENQUEUE(query->sendlist, buffer, link);
}

ISC_LINK_INIT(&query->lengthbuf, link);
ISC_LIST_ENQUEUE(query->lengthlist, &query->lengthbuf, link);

result = isc_socket_recvq(query->sock, &query->lengthlist, 0,
    global_task, tcp_length_done, query);
check_result(result, "isc_socket_recvq");
recvcount++;
debug("recvcount=%d", recvcount);
if (!query->first_soa_rcvd) {
    debug("sending a request in launch_next_query");
    TIME_NOW(&query->time_sent);
    query->waiting_senddone = true;
    result = isc_socket_sendv(query->sock, &query->sendlist,
        global_task, send_done, query);
    check_result(result, "isc_socket_sendv");
    sendcount++;
    debug("sendcount=%d", sendcount);
}
query->waiting_connect = false;
#if 0
    check_next_lookup(query->lookup);
#endif
return;

/*%*/
* Event handler for TCP connect complete. Make sure the connection was
* successful, then pass into launch_next_query to actually send the
* question.
*/
static void
connect_done(isc_task_t *task, isc_event_t *event) {
    char sockstr[ISC_SOCKADDR_FORMATSIZE];
    isc_socketevent_t *sevent = NULL;
    dig_query_t *query = NULL, *next;
    dig_lookup_t *l;
    UNUSED(task);
    REQUIRE(event->ev_type == ISC_SOCKEVENT_CONNECT);
    INSIST(!free_now);

    debug("connect_done()");
LOCK_LOOKUP;
sevent = (isc_socketevent_t *)event;
query = sevent->ev_arg;

INSIST(query->waiting_connect);

query->waiting_connect = false;

if (sevent->result == ISC_R_CANCELED) {
    debug("in cancel handler");
    isc_sockaddr_format(&query->sockaddr, sockstr, sizeof(sockstr));
    if (query->timedout)
        printf(";; Connection to %s(%s) for %s failed: %s.
", sockstr, query->servname, query->lookup->textname, isc_result_totext(ISC_R_TIMEDOUT));
    isc_socket_detach(&query->sock);
    INSIST(sockcount > 0);
    sockcount--;
    debug("sockcount=%d", sockcount);
    query->waiting_connect = false;
    isc_event_free(&event);
    l = query->lookup;
    clear_query(query);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}
if (sevent->result != ISC_R_SUCCESS) {
    debug("unsuccessful connection: %s", isc_result_totext(sevent->result));
    isc_sockaddr_format(&query->sockaddr, sockstr, sizeof(sockstr));
    if (sevent->result != ISC_R_CANCELED)
        printf(";; Connection to %s(%s) for %s failed: %s.
", sockstr, query->servname, query->lookup->textname, isc_result_totext(sevent->result));
    isc_socket_detach(&query->sock);
    INSIST(sockcount > 0);
    sockcount--;
    /* XXX Clean up exitcodes */
    if (exitcode < 9)
        exitcode = 9;
    debug("sockcount=%d", sockcount);
    query->waiting_connect = false;
    isc_event_free(&event);
l = query->lookup;
if ((l->current_query != NULL) &&
     (ISC_LINK_LINKED(l->current_query, link)))
next = ISC_LIST_NEXT(l->current_query, link);
else
next = NULL;
clear_query(query);
if (next != NULL) {
bringup_timer(next, TCP_TIMEOUT);
send_tcp_connect(next);
} else
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}
exitcode = 0;
if (keep_open) {
if (keep != NULL)
isc_socket_detach(&keep);
isc_socket_attach(query->sock, &keep);
keepaddr = query->sockaddr;
}
launch_next_query(query, true);
isc_event_free(&event);
UNLOCK_LOOKUP;
}

/*%
* Check if the ongoing XFR needs more data before it's complete, using
* the semantics of IXFR and AXFR protocols. Much of the complexity of
* this routine comes from determining when an IXFR is complete.
* false means more data is on the way, and the recv has been issued.
*/
static bool
check_for_more_data(dig_query_t *query, dns_message_t *msg,
isc_socketevent_t *sevent)
{
dns_rdataset_t *rdataset = NULL;
dns_rdata_t rdata = DNS_RDATA_INIT;
dns_rdata_soa_t soa;
uint32_t ixfr_serial = query->lookup->ixfr_serial, serial;
isc_result_t result;
bool ixfr = query->lookup->rdtype == dns_rdatatype_ixfr;
bool axfr = query->lookup->rdtype == dns_rdatatype_axfr;

if (ixfr)
axfr = query->ixfr_axfr;
debug("check_for_more_data()");

/*
 * By the time we're in this routine, we know we're doing
 * either an AXFR or IXFR. If there's no second_rr_type,
 * then we don't yet know which kind of answer we got back
 * from the server. Here, we're going to walk through the
 * rr's in the message, acting as necessary whenever we hit
 * an SOA rr.
 */

query->msg_count++;  
query->byte_count += sevent->n;  
result = dns_message_firstname(msg, DNS_SECTION_ANSWER);  
if (result != ISC_R_SUCCESS) {  
puts("; Transfer failed.");  
return (true);  
}

do {
    dns_name_t *name;  
    name = NULL;  
    dns_message_currentname(msg, DNS_SECTION_ANSWER,  
                           &name);  
    for (rdataset = ISC_LIST_HEAD(name->list);  
         rdataset != NULL;  
         rdataset = ISC_LIST_NEXT(rdataset, link)) {
        result = dns_rdataset_first(rdataset);  
        if (result != ISC_R_SUCCESS) continue;
        do {
            query->rr_count++;  
            dns_rdata_reset(&rdata);  
            dns_rdataset_current(rdataset, &rdata);  
            /*
             * If this is the first rr, make sure
             * it's an SOA
             */
            if ((!query->first_soa_rcvd) &&  
                (rdata.type != dns_rdatatype_soa)) {  
                puts("; Transfer failed. ");  
                "Didn't start with SOA answer.");  
                return (true);  
            }
            if ((!query->second_rr_rcvd) &&  
                (rdata.type != dns_rdatatype_soa)) {
                query->second_rr_rcvd = true;  
                query->second_rr_serial = 0;  
                debug("got the second rr as nonsoa");  
            }
        }  
    }
}
axfr = query->ixfr_axfr = true;
goto next_rdata;
}

/*
 * If the record is anything except an SOA
 * now, just continue on...
 */
if (rdata.type != dns_rdatatype_soa)
goto next_rdata;

/* Now we have an SOA. Work with it. */
dbg("got an SOA");
result = dns_rdata_tostuct(&rdata, &soa, NULL);
check_result(result, "dns_rdata_tostuct");
serial = soa.serial;
dns_rdata_freestruct(&soa);
if (!query->first_soa_rcvd) {
    query->first_soa_rcvd = true;
    query->first_rr_serial = serial;
    dbg("this is the first serial \%u", serial);
    if (ixfr && isc_serial_ge(ixfr_serial, serial)) {
        dbg("got up to date "
             "response");
goto doexit;
    }
}
if (axfr) {
    dbg("doing axfr, got second SOA");
goto doexit;
}
if (!query->second_rr_rcvd) {
    if (query->first_rr_serial == serial) {
        dbg("doing ixfr, got "
             "empty zone");
goto doexit;
    }
}
}
debug("this is the second serial \%u", serial);
query->second_rr_rcvd = true;
query->second_rr_serial = serial;
goto next_rdata;
}

/*
 * If we get to this point, we're doing an
* IXFR and have to start really looking
* at serial numbers.
*/
if (query->first_rr_serial == serial) {
    debug("got a match for ixfr");
    if (!query->first_repeat_rcvd) {
        query->first_repeat_rcvd =
            true;
        goto next_rdata;
    }
    debug("done with ixfr");
    goto doexit;
}
next_rdata:
result = dns_rdataset_next(rdataset);
    } while (result == ISC_R_SUCCESS);
    }
}
result = dns_message_nextname(msg, DNS_SECTION_ANSWER);
    } while (result == ISC_R_SUCCESS);
launch_next_query(query, false);
return (false);
done:
dighost_received(sevent->n, &sevent->address, query);
return (true);
}

static void
process_cookie(dig_lookup_t *l, dns_message_t *msg,
    isc_buffer_t *optbuf, size_t optlen)
{
    char bb[256];
    isc_buffer_t hexbuf;
    size_t len;
    const unsigned char *sent;
    bool copy = true;
    isc_result_t result;

    if (l->cookie != NULL) {
        isc_buffer_init(&hexbuf, bb, sizeof(bb));
        result = isc_hex_decodestring(l->cookie, &hexbuf);
        check_result(result, "isc_hex_decodestring");
        sent = isc_buffer_base(&hexbuf);
        len = isc_buffer_usedlength(&hexbuf);
    } else {
        sent = cookie;
        len = sizeof(cookie);
    }
INSIST(msg->cc_ok == 0 && msg->cc_bad == 0);
if (len >= 8 && optlen >= 8U) {
  if (isc_safe_memequal(isc_buffer_current(optbuf), sent, 8)) {
    msg->cc_ok = 1;
  } else {
    printf(";; Warning: Client COOKIE mismatch\n");
    msg->cc_bad = 1;
    copy = false;
  }
} else {
  printf(";; Warning: COOKIE bad token (too short)\n");
  msg->cc_bad = 1;
  copy = false;
}
if (copy) {
  isc_region_t r;

  r.base = isc_buffer_current(optbuf);
  r.length = (unsigned int)optlen;
  isc_buffer_init(&hexbuf, servercookie, sizeof(servercookie));
  result = isc_hex_totext(&r, 2, ",", &hexbuf);
  check_result(result, "isc_hex_totext");
  if (isc_buffer_availablelength(&hexbuf) > 0) {
    isc_buffer_putuint8(&hexbuf, 0);
    l->cookie = servercookie;
  }
}isc_buffer_forward(optbuf, (unsigned int)optlen);
}

static void
process_opt(dig_lookup_t *l, dns_message_t *msg) {
  dns_rdata_t rdata;
  isc_result_t result;
  isc_buffer_t optbuf;
  uint16_t optcode, optlen;
  dns_rdataset_t *opt = msg->opt;
  bool seen_cookie = false;

  result = dns_rdataset_first(opt);
  if (result == ISC_R_SUCCESS) {
    dns_rdata_init(&rdata);
    dns_rdataset_current(opt, &rdata);
    isc_buffer_init(&optbuf, rdata.data, rdata.length);
    isc_buffer_add(&optbuf, rdata.length);
    while (isc_buffer_remaininglength(&optbuf) >= 4) {
      optcode = isc_buffer_getuint16(&optbuf);

optlen = isc_buffer_getuint16(&optbuf);
switch (optcode) {
case DNS_OPT_COOKIE:
    /*
     * Only process the first cookie option.
     */
    if (seen_cookie) {
        isc_buffer_forward(&optbuf, optlen);
        break;
    }
    process_cookie(l, msg, &optbuf, optlen);
    seen_cookie = true;
    break;
default:
    isc_buffer_forward(&optbuf, optlen);
    break;
}
}

static int
ednsvers(dns_rdataset_t *opt) {
    return ((opt->ttl >> 16) & 0xff);
}

/*%
 * Event handler for recv complete. Perform whatever actions are necessary,
 * based on the specifics of the user's request.
 */
static void
recv_done(isc_task_t *task, isc_event_t *event) {
    isc_socketevent_t *sevent = NULL;
    dig_query_t *query = NULL;
    isc_buffer_t *b = NULL;
    dns_message_t *msg = NULL;
    #ifdef DIG_SIGCHASE
    dig_message_t *chase_msg = NULL;
    dig_message_t *chase_msg2 = NULL;
    #endif
    isc_result_t result;
    dig_lookup_t *n, *l;
    bool docancel = false;
    bool match = true;
    bool done_process_opt = false;
    unsigned int parseflags;
    dns_messageid_t id;
    unsigned int msgflags;
#ifdef DIG_SIGCHASE
isc_result_t do_sigchase = false;

dns_message_t *msg_temp = NULL;
isc_region_t r;
isc_buffer_t *buf = NULL;
#endif

int newedns;
UNUSED(task);
INSIST(!free_now);

dbg("recv done()");

LOCK LOOKUP;
recvcount--;
dbg("recvcount=%d", recvcount);
INSIST(recvcount >= 0);

query = event->ev_arg;
TIME_NOW(&query->time_recv);
dbg("lookup=%p, query=%p", query->lookup, query);

l = query->lookup;

REQUIRE(event->ev_type == ISC_SOCKEVENT_RECVDONE);
sevent = (isc_socketevent_t *)event;

b = ISC_LIST_HEAD(sevent->bufferlist);
INSIST(b == &query->recvbuf);
ISC_LIST_DEQUEUE(sevent->bufferlist, &query->recvbuf, link);

if ((l->tcp_mode) && (query->timer != NULL))
isc_timer_touch(query->timer);
if ((!l->pending && !l->ns_search_only) || cancel_now) {
dbg("no longer pending.  Got %s",
isc_result_totext(sevent->result));
query->waiting_connect = false;

isc_event_free(&event);
clear_query(query);
check_next_lookup(l);
UNLOCK LOOKUP;
return;
}

if (sevent->result != ISC_R_SUCCESS) {
if (sevent->result == ISC_R_CANCELED) {

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debug("in recv cancel handler");
query->waiting_connect = false;
} else {
printf(";; communications error: \%s\n",
isc_result_totext(sevent->result));
if (keep != NULL)
isc_socket_detach(&keep);
isc_socket_detach(&query->sock);
sockcount--;
debug("sockcount=%d", sockcount);
INSIST(sockcount >= 0);
}
if (sevent->result == ISC_R_EOF && l->eoferr == 0U) {
    n = requeue_lookup(l, true);
    n->eoferr++;
}
isc_event_free(&event);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}

if (!l->tcp_mode &&
    !isc_sockaddr_compare(&sevent->address, &query->sockaddr,
ISC_SOCKADDR_CMPADDR|
ISC_SOCKADDR_CMPPORT|
ISC_SOCKADDR_CMPSCOPE|
ISC_SOCKADDR_CMPSCOPEZERO)) {
    char buf1[ISC_SOCKADDR_FORMATSIZE];
    char buf2[ISC_SOCKADDR_FORMATSIZE];
    isc_sockaddr_t any;
    if (isc_sockaddr_pf(&query->sockaddr) == AF_INET)
        isc_sockaddr_any(&any);
    else
        isc_sockaddr_any6(&any);
    /*
     * We don't expect a match when the packet is
     * sent to 0.0.0.0, :: or to a multicast addresses.
     * XXXMPA broadcast needs to be handled here as well.
     */
    if (!isc_sockaddr_eqaddr(&query->sockaddr, &any) &&
        !isc_sockaddr_ismulticast(&query->sockaddr)) ||
        isc_sockaddr_getport(&query->sockaddr) !=
        isc_sockaddr_getport(&sevent->address)) {
isc_sockaddr_format(&event->address, buf1, sizeof(buf1));
isc_sockaddr_format(&query->sockaddr, buf2, sizeof(buf2));
printf(";; reply from unexpected source: %s,
" expected %s\n", buf1, buf2);
match = false;
}
}

result = dns_message_peekheader(b, &id, &msgflags);
if (result != ISC_R_SUCCESS || l->sendmsg->id != id) {
    match = false;
    if (l->tcp_mode) {
        bool fail = true;
        if (result == ISC_R_SUCCESS) {
            if (!query->first_soa_rcvd ||
                query->warn_id)
                printf(";; %s: ID mismatch: 
                "expected ID %u, got %u\n", 
                    query->first_soa_rcvd ? 
                        "WARNING" : "ERROR", 
                l->sendmsg->id, id);
            if (query->first_soa_rcvd)
                fail = false;
            query->warn_id = false;
        } else
            printf(";; ERROR: short 
            "(< header size) message\n");
        if (fail) {
            isc_event_free(&event);
            clear_query(query);
            cancel_lookup(l);
            check_next_lookup(l);
            UNLOCK_LOOKUP;
            return;
        }
        match = true;
    } else if (result == ISC_R_SUCCESS)
        printf(";; Warning: ID mismatch: 
            "expected ID %u, got %u\n", l->sendmsg->id, id);
    else
        printf(";; Warning: short 
            "(< header size) message received\n");
}

if (result == ISC_R_SUCCESS && (msgflags & DNS_MESSAGEFLAG_QR) == 0)
    printf(";; Warning: query response not set\n");
if (!match) 
goto udp_mismatch;

result = dns_message_create(mctx, DNS_MESSAGE_INTENTPARSE, &msg);
check_result(result, "dns_message_create");

if (tsigkey != NULL) {
  if (l->querysig == NULL) {
    debug("getting initial querysig");
    result = dns_message_getquerytsig(l->sendmsg, mctx, &l->querysig);
    check_result(result, "dns_message_getquerytsig");
  }
  result = dns_message_setquerytsig(msg, l->querysig);
  check_result(result, "dns_message_setquerytsig");
  result = dns_message_settsigkey(msg, tsigkey);
  check_result(result, "dns_message_settsigkey");
  msg->tsigctx = l->tsigctx;
  l->tsigctx = NULL;
  if (l->msgcounter != 0)
    msg->tcp_continuation = 1;
  l->msgcounter++;
}

dump("before parse starts");
parseflags = DNS_MESSAGEPARSE_PRESERVEORDER;
#ifdef DIG_SIGCHASE
if (!l->sigchase) {
  do_sigchase = false;
} else {
  parseflags = 0;
  do_sigchase = true;
}
#endif
if (l->besteffort) {
  parseflags |= DNS_MESSAGEPARSE_BESTEFFORT;
  parseflags |= DNS_MESSAGEPARSE_IGNORETRUNCATION;
}
result = dns_message_parse(msg, b, parseflags);
if (result == DNS_R_RECOVERABLE) {
  printf(";; Warning: Message parser reports malformed 
    "message packet\n"\n");
  result = ISC_R_SUCCESS;
}
if (result != ISC_R_SUCCESS) {
  printf(";; Got bad packet: %s\n", isc_result_totext(result));
  hex_dump(b);
query->waiting_connect = false;
dns_message_destroy(&msg);
isc_event_free(&event);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
UNLOCK_LOOKUP:
return;
}
if (msg->counts[DNS_SECTION_QUESTION] != 0) {
match = true;
for (result = dns_message_firstname(msg, DNS_SECTION_QUESTION);
    result == ISC_R_SUCCESS && match;
    result = dns_message_nextname(msg, DNS_SECTION_QUESTION)) {
    dns_name_t *name = NULL;
dns_rdataset_t *rdataset;

dns_message_currentname(msg, DNS_SECTION_QUESTION, &name);
for (rdataset = ISC_LIST_HEAD(name->list);
    rdataset != NULL;
    rdataset = ISC_LIST_NEXT(rdataset, link)) {
if (l->rdtype != rdataset->type ||
    l->rdclass != rdataset->rdclass ||
    !dns_name_equal(l->name, name)) {
char namestr[DNS_NAME_FORMATSIZE];
char typebuf[DNS_RDATATYPE_FORMATSIZE];
char classbuf[DNS_RDATACLASS_FORMATSIZE];
dns_name_format(name, namestr, sizeof(namestr));
dns_rdatatypenameformat(rdataset->type, typebuf, sizeof(typebuf));
dns_rdataclassformat(rdataset->rdclass, classbuf, sizeof(classbuf));
printf(";; Question section mismatch: ":
    "got %s/%s/%s\n", namestr, typebuf, classbuf);
match = false;
}
}
}
if (!match) {
dns_message_destroy(&msg);
if (l->tcp_mode) {
isc_event_free(&event);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
} else
goto udp_mismatch;
}

if (msg->rcode == dns_rcode_badvers && msg->opt != NULL &&
(newedns = ednsvers(msg->opt)) < l->edns && l->ednsneg) {
/*
 * Add minimum EDNS version required checks here if needed.
 */
if (l->comments)
printf(";; BADVERS, retrying with EDNS version \%u\n",
(unsigned int)newedns);
l->edns = newedns;
n = requeue_lookup(l, true);
if (l->trace && l->trace_root)
n->rdtype = l->qrdtype;
dns_message_destroy(&msg);
isc_event_free(&event);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}
if ((msg->flags & DNS_MESSAGEFLAG_TC) != 0 &&
!l->ignore && !l->tcp_mode) {
if (l->cookie == NULL && l->sendcookie && msg->opt != NULL)
process_opt(l, msg);
if (l->comments)
printf(";; Truncated, retrying in TCP mode\n");
n = requeue_lookup(l, true);
n->tcp_mode = true;
if (l->trace && l->trace_root)
n->rdtype = l->qrdtype;
dns_message_destroy(&msg);
isc_event_free(&event);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}
if (msg->rcode == dns_rcode_badcookie && !l->tcp_mode &&
l->sendcookie && l->badcookie) {
process_opt(l, msg);
if (msg->cc_ok) {
    if (l->comments)
        printf(";; BADCOOKIE, retrying\%s\n", l->seenbadcookie ? " in TCP mode" : "");

    n = requeue_lookup(l, true);
    if (l->seenbadcookie)
        n->tcp_mode = true;
    n->seenbadcookie = true;
    if (l->trace && l->trace_root)
        n->rdtype = l->qrdtype;
    dns_message_destroy(&msg);
    isc_event_free(&event);
    clear_query(query);
    cancel_lookup(l);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}

done_process_opt = true;
}

if ((msg->rcode == dns_rcode_servfail && !l->servfail_stops) ||
    (check_ra && (msg->flags & DNS_MESSAGEFLAG_RA) == 0 && l->recurse)) {
    dig_query_t *next = ISC_LIST_NEXT(query, link);
    if (l->current_query == query)
        l->current_query = NULL;
    if (next != NULL) {
        debug("sending query \%p\n", next);
        if (l->tcp_mode)
            send_tcp_connect(next);
        else
            send_udp(next);
    } else
        send_udp(next);
}

/*
 * If our query is at the head of the list and there
 * is no next, we're the only one left, so fall
 * through to print the message.
 */
if ((ISC_LIST_HEAD(l->q) != query) ||
    (ISC_LIST_NEXT(query, link) != NULL)) {
    if (l->comments)
        printf(";; Got \%s from \%s, ",
            "trying next server\n",
            msg->rcode == dns_rcode_servfail ? 
            "SERVFAIL reply" :
            "recursion not available",
            query->servname);
clear_query(query);  
check_next_lookup(l);  
dns_message_destroy(&msg);  
isc_event_free(&event);  
UNLOCK_LOOKUP;  
return;  
}  
}  

if (tsigkey != NULL) {  
result = dns_tsig_verify(&query->recvbuf, msg, NULL, NULL);  
if (result != ISC_R_SUCCESS) {  
printf(";; Couldn't verify signature: %s\n",  
       isc_result_totext(result));  
validated = false;  
}  
l->tsigctx = msg->tsigctx;  
msg->tsigctx = NULL;  
if (l->querysig != NULL) {  
dbg("freeing querysig buffer %p", l->querysig);  
isc_buffer_free(&l->querysig);  
}  
result = dns_message_getquerytsig(msg, mctx, &l->querysig);  
check_result(result,"dns_message_getquerytsig");  
}  
extrabytes = isc_buffer_remaininglength(b);  

dbg("after parse");  
if (l->doing_xfr && l->xfr_q == NULL) {  
l->xfr_q = query;  
/*  
  * Once we are in the XFR message, increase  
  * the timeout to much longer, so brief network  
  * outages won't cause the XFR to abort  
  */  
if (timeout != INT_MAX && query->timer != NULL) {  
unsigned int local_timeout;  
if (timeout == 0) {  
if (l->tcp_mode)  
local_timeout = TCP_TIMEOUT * 4;  
else  
local_timeout = UDP_TIMEOUT * 4;  
} else {  
if (timeout < (INT_MAX / 4))  
local_timeout = timeout * 4;  
else  
local_timeout = INT_MAX / 4;  
}  
if (l->xfr_q->timer == query->timer) {  
l->xfr_q->timer = newtimer;  
} else {  
l->xfr_q->timer = query->timer;  
query->timer = newtimer;  
}  
check_result(result,"dns_message_setxfrquerytimer");  
}  
else {  
check_result(result,"dns_message_getquerytsig");  
}  
} #endif
local_timeout = INT_MAX;
}
dump("have local timeout of %d", local_timeout);
isc_interval_set(&l->interval, local_timeout, 0);
result = isc_timer_reset(query->timer,
isc_timertype_once,
NULL,
&l->interval,
false);
check_result(result, "isc_timer_reset");
}

if (!done_process_opt) {
if (l->cookie != NULL) {
if (msg->opt == NULL) {
printf(";; expected opt record in response\n");
} else {
process_opt(l, msg);
}
} else if (l->sendcookie && msg->opt != NULL) {
process_opt(l, msg);
}

if (!l->doing_xfr || l->xfr_q == query) {
if (msg->rcode == dns_rcode_nxdomain &&
  (l->origin != NULL || l->need_search)) {
if (!next_origin(query->lookup) || showsearch) {
dighost_printmessage(query, msg, true);
dighost_received(b->used, &sevent->address, query);
}
} else if (!l->trace && !l->ns_search_only) {
#ifdef DIG_SIGCHASE
if (!do_sigchase)
#endif
dighost_printmessage(query, msg, true);
} else if (l->trace) {
int nl = 0;
int count = msg->counts[DNS_SECTION_ANSWER];

dump("in TRACE code");
if (!l->ns_search_only)
dighost_printmessage(query, msg, true);

l->rdtype = l->qrdtype;
if (l->trace_root || (l->ns_search_only && count > 0)) {
if (!l->trace_root)
l->rdtype = dns_rdatatype_soa;
nl = followup_lookup(msg, query,
    DNS_SECTION_ANSWER);
l->trace_root = false;
} else if (count == 0)
    nl = followup_lookup(msg, query,
        DNS_SECTION_AUTHORITY);
if (nl == 0)
    docancel = true;
} else {
    debug("in NSSEARCH code");

    if (l->trace_root) {
/*
 * This is the initial NS query.
 */
    int nl;

    l->rdtype = dns_rdatatype_soa;
    nl = followup_lookup(msg, query,
        DNS_SECTION_ANSWER);
    if (nl == 0)
        docancel = true;
    l->trace_root = false;
    usesearch = false;
} else
    #ifdef DIG_SIGCHASE
    if (!do_sigchase)
    #endif
    dighost_printmessage(query, msg, true);
    }
    #ifdef DIG_SIGCHASE
    if (do_sigchase) {
        chase_msg = isc_mem_allocate(mctx,
            sizeof(dig_message_t));
        if (chase_msg == NULL) {
            fatal("Memory allocation failure in %s:%d",
                __FILE__, __LINE__);
        } else
            ISC_LIST_INITANDAPPEND(chase_message_list, chase_msg,
                link);
        if (dns_message_create(mctx, DNS_MESSAGE_INTENTPARSE,
            &msg_temp) != ISC_R_SUCCESS) {
            fatal("dns_message_create in %s:%d",
                __FILE__, __LINE__);
        } else
            ISC_LIST_INITANDAPPEND(chase_message_list, chase_msg,
                link);
        if (dns_message_create(mctx, DNS_MESSAGE_INTENTPARSE,
            &msg_temp) != ISC_R_SUCCESS) {
            fatal("dns_message_create in %s:%d",
                __FILE__, __LINE__);
        }
    isc_buffer_usedregion(b, &r);
    result = isc_buffer_allocate(mctx, &buf, r.length);
check_result(result, "isc_buffer_allocate");
result = isc_buffer_copyregion(buf, &r);
check_result(result, "isc_buffer_copyregion");

result = dns_message_parse(msg_temp, buf, 0);
isc_buffer_free(&buf);
chase_msg->msg = msg_temp;

chase_msg2 = isc_mem_allocate(mctx,
    sizeof(dig_message_t));
if (chase_msg2 == NULL) {
    fatal("Memory allocation failure in %s:%d",
        __FILE__, __LINE__);}
ISC_LIST_INITANDAPPEND(chase_message_list2, chase_msg2,
    link);
chase_msg2->msg = msg;
}
#endif

#ifdef DIG_SIGCHASE
if (l->sigchase && ISC_LIST_EMPTY(lookup_list)) {
sigchase(msg_temp);
}
#endif

if (l->pending)
dump("still pending.");
if (l->doing_xfr) {
    if (query != l->xfr_q) {
        dns_message_destroy(&msg);
        isc_event_free(&event);
        query->waiting_connect = false;
        UNLOCK_LOOKUP;
        return;
    }
    if (!docancel)
        docancel = check_for_more_data(query, msg, sevent);
    if (docancel) {
        dns_message_destroy(&msg);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
    }
} else {

if (msg->rcode == dns_rcode_noerror || l->origin == NULL) {

#ifdef DIG_SIGCHASE
    if (!l->sigchase)
#endif
        dighost_received(b->used, &sevent->address, query);
    
if (!query->lookup->ns_search_only)
    query->lookup->pending = false;
if (!query->lookup->ns_search_only ||
    query->lookup->trace_root || docancel) {
#ifdef DIG_SIGCHASE
    if (!do_sigchase)
#endif
        dns_message_destroy(&msg);
    cancel_lookup(l);
    }
clear_query(query);
check_next_lookup(l);
    }
if (msg != NULL) {
#ifdef DIG_SIGCHASE
    if (do_sigchase)
#else
    msg = NULL;
    else
#endif
        dns_message_destroy(&msg);
    }
isc_event_free(&event);
UNLOCK_LOOKUP;
return;

udp_mismatch:
    isc_buffer_invalidate(&query->recvbuf);
    isc_buffer_init(&query->recvbuf, query->recvspace, COMMSIZE);
    ISC_LIST_ENQUEUE(query->recvlist, &query->recvbuf, link);
    result = isc_socket_recvv(query->sock, &query->recvlist, 1,
        global_task, recv_done, query);
    check_result(result, "isc_socket_recvv");
    recvcount++;
    isc_event_free(&event);
    UNLOCK_LOOKUP;
    return;
}
/*
 * Turn a name into an address, using system-supplied routines. This is
 * used in looking up server names, etc... and needs to use system-supplied
 * routines, since they may be using a non-DNS system for these lookups.
 */

isc_result_t
get_address(char *host, in_port_t myport, isc_sockaddr_t *sockaddr) {
    int count;
    isc_result_t result;
    bool is_running;

    is_running = isc_app_isrunning();
    if (is_running)
        isc_app_block();
    result = bind9_getaddresses(host, myport, sockaddr, 1, &count);
    if (is_running)
        isc_app_unblock();
    if (result != ISC_R_SUCCESS)
        return (result);

    INSIST(count == 1);

    return (ISC_R_SUCCESS);
}

int
defaddresses(dig_lookup_t *lookup, const char *host, isc_result_t *resultp) {
    isc_result_t result;
    isc_sockaddr_t sockaddrs[DIG_MAX_ADDRESSES];
    isc_netaddr_t netaddr;
    int count, i;
    dig_server_t *srv;
    char tmp[ISC_NETADDR_FORMATSIZE];

    result = bind9_getaddresses(host, 0, sockaddr,
                                DIG_MAX_ADDRESSES, &count);
    if (resultp != NULL)
        *resultp = result;
    if (result != ISC_R_SUCCESS) {
        if (resultp == NULL)
            fatal("couldn't get address for '%s': %s",
                  host, isc_result_totext(result));
        return (0);
    }

    for (i = 0; i < count; i++) {
        isc_netaddr_fromsockaddr(&netaddr, &sockaddrs[i]);
        isc_netaddr_format(&netaddr, tmp, sizeof(tmp));
    }

    return (ISC_R_SUCCESS);
}
 srv = make_server(tmp, host);
 ISC_LIST_APPEND(lookup->my_server_list, srv, link);
}

return (count);
}

/*%
* Initiate either a TCP or UDP lookup
*/
void
do_lookup(dig_lookup_t *lookup) {
 dig_query_t *query;

 REQUIRE(lookup != NULL);

ddebug("do_lookup()");
 lookup->pending = true;
 query = ISC_LIST_HEAD(lookup->q);
 if (query != NULL) {
 if (lookup->tcp_mode)
 send_tcp_connect(query);
 else
 send_udp(query);
 }
 }

/*%
* Start everything in action upon task startup.
*/
void
onrun_callback(isc_task_t *task, isc_event_t *event) {
 UNUSED(task);

 isc_event_free(&event);
 LOCK_LOOKUP;
 start_lookup();
 UNLOCK_LOOKUP;
}

/*%
* Make everything on the lookup queue go away. Mainly used by the
* SIGINT handler.
*/
void
cancel_all(void) {
 dig_lookup_t *l, *n;
 dig_query_t *q, *nq;

debug("cancel_all()");

LOCK_LOOKUP;
if (free_now) {
    UNLOCK_LOOKUP;
    return;
}
cancel_now = true;
if (current_lookup != NULL) {
    for (q = ISC_LIST_HEAD(current_lookup->q);
        q != NULL;
        q = nq)
    {
        nq = ISC_LIST_NEXT(q, link);
        debug("canceling pending query %p, belonging to %p",
            q, current_lookup);
        if (q->sock != NULL)
            isc_socket_cancel(q->sock, NULL,
                ISC_SOCKCANCEL_ALL);
        else
            clear_query(q);
    }
    for (q = ISC_LIST_HEAD(current_lookup->connecting);
        q != NULL;
        q = nq)
    {
        nq = ISC_LIST_NEXT(q, clink);
        debug("canceling connecting query %p, belonging to %p",
            q, current_lookup);
        if (q->sock != NULL)
            isc_socket_cancel(q->sock, NULL,
                ISC_SOCKCANCEL_ALL);
        else
            clear_query(q);
    }
}

l = ISC_LIST_HEAD(lookup_list);
while (l != NULL) {
    n = ISC_LIST_NEXT(l, link);
    ISC_LIST_DEQUEUE(lookup_list, l, link);
    try_clear_lookup(l);
    l = n;
    UNLOCK_LOOKUP;
}
* Destroy all of the libs we are using, and get everything ready for a
* clean shutdown.
*/

void
destroy_libs(void) {
#ifdef DIG_SIGCHASE
void * ptr;
dig_message_t *chase_msg;
#endif
#ifdef WITH_IDN_SUPPORT
isc_result_t result;
#endif

if (keep != NULL)
  isc_socket_detach(&keep);
debug("destroy_libs()");
if (global_task != NULL) {
  debug("freeing task");
  isc_task_detach(&global_task);
}
/*
* The taskmgr_destroy() call blocks until all events are cleared
* from the task.
*/
if (taskmgr != NULL) {
  debug("freeing taskmgr");
  isc_taskmgr_destroy(&taskmgr);
}
LOCK_LOOKUP;
REQUIRE(sockcount == 0);
REQUIRE(recvcount == 0);
REQUIRE(sendcount == 0);

INSIST(ISC_LIST_HEAD(lookup_list) == NULL);
INSIST(current_lookup == NULL);
INSIST(!free_now);

free_now = true;

lwres_conf_clear(lwctx);
lwres_context_destroy(&lwctx);

flush_server_list();
clear_searchlist();

#ifdef WITH_IDN_SUPPORT
result = dns_name_settotextfilter(NULL);
#endif
check_result(result, "dns_name_settotextfilter");
#endif

dns_name_destroy();

if (commctx != NULL) {
d debug("freeing commctx");
isc_mempool_destroy(&commctx);
}
if (socketmgr != NULL) {
d debug("freeing socketmgr");
isc_socketmgr_destroy(&socketmgr);
}
if (timermgr != NULL) {
d debug("freeing timermgr");
isc_timermgr_destroy(&timermgr);
}
if (tsigkey != NULL) {
d debug("freeing key %p", tsigkey);
dns_tsigkey_detach(&tsigkey);
}
if (namebuf != NULL)
isc_buffer_free(&namebuf);

if (is_dst_up) {
d debug("destroy DST lib");
dst_lib_destroy();
is_dst_up = false;
}
if (entp != NULL) {
d debug("detach from entropy");
isc_entropy_detach(&entp);
}

UNLOCK_LOOKUP;
DESTROYLOCK(&lookup_lock);
#endif

#ifdef DIG_SIGCHASE

d debug("Destroy the messages kept for sigchase");
/* Destroy the messages kept for sigchase */
chase_msg = ISC_LIST_HEAD(chase_message_list);

while (chase_msg != NULL) {
INSIST(chase_msg->msg != NULL);
dns_message_destroy(&(chase_msg->msg));
ptr = chase_msg;
chase_msg = ISC_LIST_NEXT(chase_msg, link);
isc_mem_free(mctx, ptr);
}
chase_msg = ISC_LIST_HEAD(chase_message_list2);

while (chase_msg != NULL) {
    INSIST(chase_msg->msg != NULL);
    dns_message_destroy(&(chase_msg->msg));
    ptr = chase_msg;
    chase_msg = ISC_LIST_NEXT(chase_msg, link);
    isc_mem_free(mctx, ptr);
}

if (dns_name_dynamic(&chase_name))
    free_name(&chase_name);
#if DIG_SIGCHASE_TD
    if (dns_name_dynamic(&chase_current_name))
        free_name(&chase_current_name);
    if (dns_name_dynamic(&chase_authority_name))
        free_name(&chase_authority_name);
#endif
#if DIG_SIGCHASE_BU
    if (dns_name_dynamic(&chase_signame))
        free_name(&chase_signame);
#endif

debug("Removing log context");
isc_log_destroy(&lctx);

download("Destroy memory");
if (memdebugging != 0)
    isc_mem_stats(mctx, stderr);
if (mctx != NULL)
    isc_mem_destroy(&mctx);

#endif

#ifdef WITH_IDN_OUT_SUPPORT

static isc_result_t
output_filter(isc_buffer_t *buffer, unsigned int used_org,
              bool absolute)
{
    char tmp1[MAXDLEN], tmp2[MAXDLEN];
    size_t fromlen, tolen;
    bool end_with_dot;
    isc_result_t result;

    /*
    * Copy contents of 'buffer' to 'tmp1', supply trailing dot
    * if 'absolute' is true, and terminate with NUL.
    */


fromlen = isc_buffer_usedlength(buffer) - used_org;
if (fromlen >= MAXDLEN)
    return (ISC_R_SUCCESS);

memmove(tmp1, (char *)isc_buffer_base(buffer) + used_org, fromlen);
end_with_dot = (tmp1[fromlen - 1] == '.') ? true : false;
if (absolute && !end_with_dot) {
    fromlen++;
    if (fromlen >= MAXDLEN)
        return (ISC_R_SUCCESS);
    tmp1[fromlen - 1] = '.';
}

tmp1[fromlen] = '\0';

/*
 * Convert contents of 'tmp1' to local encoding.
 */
result = idn_ace_to_locale(tmp1, tmp2, sizeof(tmp2));
if (result != ISC_R_SUCCESS) {
    return (ISC_R_SUCCESS);
}

/*
 * Copy the converted contents in 'tmp1' back to 'buffer'.
 * If we have appended trailing dot, remove it.
 */
tolen = strlen(tmp2);
if (absolute && !end_with_dot && tmp2[tolen - 1] == '.')
tolen--;
if (isc_buffer_length(buffer) < used_org + tolen)
    return (ISC_R_NOSPACE);

isc_buffer_subtract(buffer, isc_buffer_usedlength(buffer) - used_org);
memmove(isc_buffer_used(buffer), tmp2, tolen);
isc_buffer_add(buffer, (unsigned int)tolen);

return (ISC_R_SUCCESS);
#endif
#endif

#ifdef WITH_IDN_SUPPORT
#ifdef WITH_IDNKIT
static void
idnkit_check_result(idn_result_t result, const char *msg) {
    if (result != idn_success) {
        fatal("%s: %s", msg, idn_result_tostring(result));
    }
}
#endif
#endif

static void
idn_initialize(void) {  
    idn_result_t result;

    /* Create configuration context. */
    result = idn_nameinit(1);
    idnkit_check_result(result, "idnkit api initialization failed");
    return (ISC_R_SUCCESS);
}

static isc_result_t
idn_locale_to_ace(const char *from, char *to, size_t tolen) {  
    char utf8_textname[MXNAME];
    idn_result_t result;

    result = idn_encodename(IDN_LOCALCONV | IDN_DELIMMAP, from,
                            utf8_textname, (size_t)sizeof(utf8_textname));
    idnkit_check_result(result, "idnkit idn_encodename to utf8 failed");

    result = idn_encodename(idnoptions | IDN_LOCALMAP | IDN_NAMEPREP |
                            IDN_IDNCONV | IDN_LENCHECK,  
                            utf8_textname, to, tolen);
    idnkit_check_result(result, "idnkit idn_encodename to idn failed");
    return (ISC_R_SUCCESS);
}

static isc_result_t
idn_ace_to_locale(const char *from, char *to, size_t tolen) {  
    idn_result_t result;

    result = idn_decodename(IDN_DECODE_APP, from, to, tolen);
    if (result != idn_success) {  
        debug("idnkit idn_decodename failed: %s",
              idn_result_tostring(result));
        return (ISC_R_FAILURE);
    }
    return (ISC_R_SUCCESS);
}
#endif /* WITH_IDNKIT */

#ifdef WITH_LIBIDN2
static void
idn_initialize(void) {
}

static isc_result_t
idn_locale_to_ace(const char *from, char *to, size_t tolen) {
    int res;
    char *tmp_str = NULL;

    res = idn2_to_ascii_lz(from, &tmp_str, IDN2_NONTRANSITIONAL|IDN2_NFC_INPUT);
    if (res == IDN2_DISALLOWED) {
        res = idn2_to_ascii_lz(from, &tmp_str, IDN2_TRANSITIONAL|IDN2_NFC_INPUT);
    }

    if (res == IDN2_OK) {
        /*
         * idn2_to_ascii_lz() normalizes all strings to lowerl case,
         * but we generally don't want to lowercase all input strings;
         * make sure to return the original case if the two strings
         * differ only in case
         */
        if (!strcasecmp(from, tmp_str)) {
            if (strlen(from) >= tolen) {
                debug("from string is too long");
                idn2_free(tmp_str);
                return ISC_R_NOSPACE;
            }
            idn2_free(tmp_str);
            (void) strlcpy(to, from, tolen);
            return ISC_R_SUCCESS;
        }
        /* check the length */
        if (strlen(tmp_str) >= tolen) {
            debug("ACE string is too long");
            idn2_free(tmp_str);
            return ISC_R_NOSPACE;
        }
        (void) strlcpy(to, tmp_str, tolen);
        idn2_free(tmp_str);
        return ISC_R_SUCCESS;
    }

    fatal("\'%s\' is not a legal IDN name (%s), use +noidnin", from, idn2_strerror(res));
    return ISC_R_FAILURE;
}

#ifdef WITH_IDN_OUT_SUPPORT
static isc_result_t
idn_ace_to_locale(const char *from, char *to, size_t tolen) {
    int res;
    char *utf8_src, *tmp_str = NULL;

    res = idn2_to_ascii_lz(from, &tmp_str, IDN2_NONTRANSITIONAL|IDN2_NFC_INPUT);
    if (res == IDN2_DISALLOWED) {
        res = idn2_to_ascii_lz(from, &tmp_str, IDN2_TRANSITIONAL|IDN2_NFC_INPUT);
    }

    if (res == IDN2_OK) {
        /*
         * idn2_to_ascii_lz() normalizes all strings to lowerl case,
         * but we generally don't want to lowercase all input strings;
         * make sure to return the original case if the two strings
         * differ only in case
         */
        if (!strcasecmp(from, tmp_str)) {
            if (strlen(from) >= tolen) {
                debug("from string is too long");
                idn2_free(tmp_str);
                return ISC_R_NOSPACE;
            }
            idn2_free(tmp_str);
            (void) strlcpy(to, from, tolen);
            return ISC_R_SUCCESS;
        }
        /* check the length */
        if (strlen(tmp_str) >= tolen) {
            debug("ACE string is too long");
            idn2_free(tmp_str);
            return ISC_R_NOSPACE;
        }
        (void) strlcpy(to, tmp_str, tolen);
        idn2_free(tmp_str);
        return ISC_R_SUCCESS;
    }

    fatal("\'%s\' is not a legal IDN name (%s), use +noidnin", from, idn2_strerror(res));
    return ISC_R_FAILURE;
}
#endif
/*
 * We need to:
 *
 * 1) check whether 'from' is a valid IDNA2008 name,
 * 2) if it is, output it in the current locale's character encoding.
 *
 * Unlike idn2_to_ascii_*(), idn2_to_unicode_*() functions are unable
 * to perform IDNA2008 validity checks. Thus, we need to decode any
 * Punycode in 'from', check if the resulting name is a valid IDNA2008
 * name, and only once we ensure it is, output that name in the current
 * locale's character encoding.
 *
 * We could just use idn2_to_unicode_8z8z() + idn2_to_ascii_lz(), but
 * then we would not be able to universally tell invalid names and
 * character encoding errors apart (if the current locale uses ASCII
 * for character encoding, the former function would fail even for a
 * valid IDNA2008 name, as long as it contained any non-ASCII
 * character). Thus, we need to take a longer route.
 *
 * First, convert 'from' to UTF-8, ignoring the current locale.
 */
res = idn2_to_unicode_8z8z(from, &utf8_src, 0);
if (res != IDN2_OK) {
fatal("Bad ACE string 's' (s), use +noidnout",
     from, idn2_strerror(res));
}

/*
 * Then, check whether decoded 'from' is a valid IDNA2008 name.
 */
res = idn2_to_ascii_8z8z(utf8_src, NULL, IDN2_NONTRANSITIONAL);
if (res != IDN2_OK) {
fatal("'s' is not a legal IDNA2008 name (s), use +noidnout",
     from, idn2_strerror(res));
}

/*
 * Finally, try converting the decoded 'from' into the current locale's
 * character encoding.
 */
res = idn2_to_unicode_8z8z(utf8_src, &tmp_str, 0);
if (res != IDN2_OK) {
fatal("Cannot represent 's' in the current locale (s), "
     "use +noidnout or a different locale",
     from, idn2_strerror(res));
}
* Free the interim conversion result. */

d2_free(utf8_src);

/* check the length */
if (strlen(tmp_str) >= tolen) {
    debug("encoded ASC string is too long");
    d2_free(tmp_str);
    return (ISC_R_FAILURE);
}

(void) strlcpy(to, tmp_str, tolen);

if (tmp_str) {
    idn2_free(tmp_str);
    return (ISC_R_SUCCESS);
}

#endif /* WITH_IDN_OUT_SUPPORT */
#endif /* WITH_LIBIDN2 */
#endif /* WITH_IDN_SUPPORT */

#ifdef DIG_SIGCHASE

void

print_type(dns_rdatatype_t type)
{
    isc_buffer_t * b = NULL;
    isc_result_t result;
    isc_region_t r;

    result = isc_buffer_allocate(mctx, &b, 4000);
    check_result(result, "isc_buffer_allocate");

    result = dns_rdatatype_totext(type, b);
    check_result(result, "print_type");

    isc_buffer_usedregion(b, &r);
    r.base[r.length] = '\0';

    printf("%s", r.base);

    isc_buffer_free(&b);
}

void
dump_database_section(dns_message_t *msg, int section)
{
    dns_name_t *msg_name=NULL;
    dns_rdataset_t *rdataset;

    }
do {
    dns_message_currentname(msg, section, &msg_name);

    for (rdataset = ISC_LIST_HEAD(msg_name->list); rdataset != NULL;  
         rdataset = ISC_LIST_NEXT(rdataset, link)) {
        dns_name_print(msg_name, stdout);
        printf("\n");
        print_rdataset(msg_name, rdataset);
        printf("end\n");
    }
    msg_name = NULL;
} while (dns_message_nextname(msg, section) == ISC_R_SUCCESS);
}

void
dump_database(void) {
    dig_message_t * msg;

    for (msg = ISC_LIST_HEAD(chase_message_list); msg != NULL;  
         msg = ISC_LIST_NEXT(msg, link)) {
        if (dns_message_firstname(msg->msg, DNS_SECTION_ANSWER)  
            == ISC_R_SUCCESS)
            dump_database_section(msg->msg, DNS_SECTION_ANSWER);
        if (dns_message_firstname(msg->msg, DNS_SECTION_AUTHORITY)  
            == ISC_R_SUCCESS)
            dump_database_section(msg->msg, DNS_SECTION_AUTHORITY);
        if (dns_message_firstname(msg->msg, DNS_SECTION_ADDITIONAL)  
            == ISC_R_SUCCESS)
            dump_database_section(msg->msg, DNS_SECTION_ADDITIONAL);
    }
}

dns_rdataset_t *
search_type(dns_name_t *name, dns_rdatatype_t type, dns_rdatatype_t covers) {
    dns_rdataset_t *rdataset;
    dns_rdata_sig_t siginfo;
    dns_rdata_t sigdata = DNS_RDATA_INIT;
    isc_result_t result;

    for (rdataset = ISC_LIST_HEAD(name->list); rdataset != NULL;  
         rdataset = ISC_LIST_NEXT(rdataset, link)) {
        if (type == dns_rdatatype_any) {
            if (rdataset->type != dns_rdatatype_rrsig)
                return (rdataset);
        } else if ((type == dns_rdatatype_rrsig) &&
(rdataset->type == dns_rdatatype_rrsig)) {
    result = dns_rdataset_first(rdataset);
    check_result(result, "empty rdataset");
    dns_rdataset_current(rdataset, &sigrdata);
    result = dns_rdata_tostruct(&sigrdata, &siginfo, NULL);
    check_result(result, "sigrdata tostruct siginfo");

    if ((siginfo.covered == covers) ||
        (covers == dns_rdatatype_any)) {
        dns_rdata_reset(&sigrdata);
        dns_rdata_freestruct(&siginfo);
        return (rdataset);
    }
    dns_rdata_Reset(&sigrdata);
    dns_rdata_freestruct(&siginfo);
} else if (rdataset->type == type)
    return (rdataset);
}
return (NULL);

} else if (rdataset->type == type)
    return (rdataset);
}
return (NULL);
}

dns_rdataset_t *
chase_scannam_ection(dns_message_t *msg, dns_name_t *name,
dns_rdatatype_t type, dns_rdatatype_t covers,
    int section)
{
    dns_rdataset_t *rdataset;
    dns_name_t *msg_name = NULL;

    if (msg->counts[section] == 0)
        return (NULL);
    do {
        dns_message_currentname(msg, section, &msg_name);
        if (dns_name_compare(msg_name, name) == 0) {
            rdataset = search_type(msg_name, type, covers);
            if (rdataset != NULL)
                return (rdataset);
        }
        msg_name = NULL;
    } while (dns_message_nextname(msg, section) == ISC_R_SUCCESS);

    return (NULL);
}

dns_rdataset_t *
chase_scannam(e(dns_name_t *name, dns_rdatatype_t type, dns_rdata"
{  
dns_rdataset_t *rdataset = NULL;  
dig_message_t * msg;

for (msg = ISC_LIST_HEAD(chase_message_list2); msg != NULL;  
   msg = ISC_LIST_NEXT(msg, link)) {
if (dns_message_firstname(msg->msg, DNS_SECTION_ANSWER)  
   == ISC_R_SUCCESS)  
   {
      rdataset = chase_scanname_section(msg->msg, name,  
          type, covers,  
          DNS_SECTION_ANSWER);
if (rdataset != NULL)  
      return (rdataset);
   }
if (dns_message_firstname(msg->msg, DNS_SECTION_AUTHORITY)  
   == ISC_R_SUCCESS)  
   {
      rdataset =  
          chase_scanname_section(msg->msg, name,  
              type, covers,  
              DNS_SECTION_AUTHORITY);
if (rdataset != NULL)  
      return (rdataset);
   }
if (dns_message_firstname(msg->msg, DNS_SECTION_ADDITIONAL)  
   == ISC_R_SUCCESS)  
   {
      rdataset =  
          chase_scanname_section(msg->msg, name, type,  
              covers,  
              DNS_SECTION_ADDITIONAL);
if (rdataset != NULL)  
      return (rdataset);
   }
}

return (NULL);
}

dns_rdataset_t *
	sigchase_scanname(dns_rdatatype_t type, dns_rdatatype_t covers,  
    bool * lookedup, dns_name_t *rdata_name)  
{
    dig_lookup_t *lookup;  
    isc_buffer_t *b = NULL;  
    isc_region_t r;  
    isc_result_t result;
dns_rdataset_t * temp;
dns_rdatatype_t querytype;

temp = chase_scanname(rdata_name, type, covers);
if (temp != NULL)
    return (temp);

if (*lookedup == true)
    return (NULL);

lookup = clone_lookup(current_lookup, true);
lookup->trace_root = false;
lookup->new_search = true;

result = isc_buffer_allocate(mctx, &b, BUFSIZE);
check_result(result, "isc_buffer_allocate");
result = dns_name_totext(rdata_name, false, b);
check_result(result, "dns_name_totext");
isc_buffer_usedregion(b, &r);
r.base[r.length] = '0';
strlcpy(lookup->textname, (char*)r.base, sizeof(lookup->textname));
isc_buffer_free(&b);

if (type ==  dns_rdatatype_rrsig)
    querytype = covers;
else
    querytype = type;

if (querytype == 0 || querytype == 255) {
    printf("Error in the queried type: %d\n", querytype);
    return (NULL);
}

lookup->rdtype = querytype;
lookup->rdtypeset = true;
lookup->qrdtype = querytype;
*lookedup = true;

ISC_LIST_APPEND(lookup_list, lookup, link);
printf("\n\nLaunch a query to find a RRset of type ");
print_type(type);
printf(" for zone: %s", lookup->textname);
return (NULL);
}

isc_result_t
insert_trustedkey(void *arg, dns_name_t *name, dns_rdataset_t *rdataset) {
isc_result_t result;
dst_key_t *dstkey;

UNUSED(arg);

if (rdataset == NULL || rdataset->type != dns_rdatatype_dnskey)
    return (ISC_R_SUCCESS);

for (result = dns_rdataset_first(rdataset);
     result == ISC_R_SUCCESS;
     result = dns_rdataset_next(rdataset)) {
    dns_rdata_t rdata = DNS_RDATA_INIT;
    isc_buffer_t b;

    dns_rdataset_current(rdataset, &rdata);
    isc_buffer_init(&b, rdata.data, rdata.length);
    isc_buffer_add(&b, rdata.length);
    if (tk_list.nb_tk >= MAX_TRUSTED_KEY)
        return (ISC_R_SUCCESS);
    dstkey = NULL;
    result = dst_key_fromdns(name, rdata.rdclass, &b, mctx, &dstkey);
    if (result != ISC_R_SUCCESS)
        continue;
    tk_list.key[tk_list.nb_tk++] = dstkey;
}
return (ISC_R_SUCCESS);

void
clean_trustedkey()
{
    int i = 0;

    for (i = 0; i < MAX_TRUSTED_KEY; i++) {
        if (tk_list.key[i] != NULL) {
            dst_key_free(&tk_list.key[i]);
            tk_list.key[i] = NULL;
        } else
            break;
    }
    tk_list.nb_tk = 0;
    return;
}

char alphnum[] =
    "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789";

isc_result_t
removetmpkey(const char *file)
{
    char *tmpnamekey = NULL;
    int tmpnamekeylen;
    isc_result_t result;

    tmpnamekeylen = strlen(file)+10;

    tmpnamekey = isc_mem_allocate(mctx, tmpnamekeylen);
    if (tmpnamekey == NULL)
        return (ISC_R_NOMEMORY);
    memset(tmpnamekey, 0, tmpnamekeylen);
    strcat(tmpnamekey, file);
    strcat(tmpnamekey,".key");
    isc_file_remove(tmpnamekey);
    result = isc_file_remove(tmpnamekey);
    isc_mem_free(mctx, tmpnamekey);
    return (result);
}

isc_result_t
get_trusted_key(void) {
    isc_result_t result;
    const char *filename = NULL;
    dns_rdatacallbacks_t callbacks;

    result = isc_file_exists(trustedkey);
    if (result != true) {
        result = isc_file_exists("/etc/trusted-key.key");
        if (result != true) {
            result = isc_file_exists(".trusted-key.key");
            if (result != true)
                return (ISC_R_FAILURE);
        } else
            filename = "/etc/trusted-key.key";
    } else
        filename = trustedkey;

    if (filename == NULL) {
        printf("No trusted key\n");
        return (ISC_R_FAILURE);
    }

    }
dns_rdatacallbacks_init_stdio(&callbacks);
callbacks.add = insert_trustedkey;
return (dns_master_loadfile(filename, dns_rootname, dns_rootname,
    current_lookup->rdclass, DNS_MASTER_NOTTL,
    &callbacks, mctx));
}

static void
nameFromString(const char *str, dns_name_t *p_ret) {
    size_t len = strlen(str);
    isc_result_t result;
    isc_buffer_t buffer;
    dns_fixedname_t fixedname;

    REQUIRE(p_ret != NULL);
    REQUIRE(str != NULL);

    isc_buffer_constinit(&buffer, str, len);
    isc_buffer_add(&buffer, len);
    dns_fixedname_init(&fixedname);
    result = dns_name_fromtext(dns_fixedname_name(&fixedname), &buffer,
        dns_rootname, DNS_NAME_DOWNCASE, NULL);
    check_result(result, "nameFromString");

    if (dns_name_dynamic(p_ret))
        free_name(p_ret);

    result = dns_name_dup(dns_fixedname_name(&fixedname), mctx, p_ret);
    check_result(result, "nameFromString");
}

#if DIG_SIGCHASE_TD
isc_result_t
prepare_lookup(dns_name_t *name) {
    isc_result_t result;
    dig_lookup_t *lookup = NULL;
    dig_server_t *s;
    void *ptr;

    lookup = clone_lookup(current_lookup, true);
    lookup->trace_root = false;
    lookup->new_search = true;
    lookup->trace_root_sigchase = false;
#endif
strlcpy(lookup->textname, lookup->textnamesigchase, MXNAME);

lookup->rdtype = lookup->rdtype_sigchase;
lookup->rdtypeset = true;
lookup->qrdtype = lookup->qrdtype_sigchase;

s = ISC_LIST_HEAD(lookup->my_server_list);
while (s != NULL) {
    debug("freeing server %p belonging to %p", s, lookup);
    ptr = s;
    s = ISC_LIST_NEXT(s, link);
    ISC_LIST_DEQUEUE(lookup->my_server_list, (dig_server_t *)ptr, link);
    isc_mem_free(mctx, ptr);
}

for (result = dns_rdataset_first(chase_nsrdataset);
     result == ISC_R_SUCCESS;
     result = dns_rdataset_next(chase_nsrdataset)) {
    char namestr[DNS_NAME_FORMATSIZE];
dns_rdata_ns_t ns;
dns_rdata_t rdata = DNS_RDATA_INIT;
dig_server_t * srv = NULL;
#define __FOLLOW_GLUE__
#ifdef __FOLLOW_GLUE__
    isc_buffer_t *b = NULL;
    isc_region_t r;
    dns_rdataset_t *rdataset = NULL;
    bool t = true;
#endif
    memset(namestr, 0, DNS_NAME_FORMATSIZE);
    dns_rdataset_current(chase_nsrdataset, &rdata);
    result = dns_rdata_tostruct(&rdata, &ns, NULL);
    check_result(result, "dns_rdata_tostruct");
#ifdef __FOLLOW_GLUE__
    if (result == ISC_R_SUCCESS) {
        for (result = dns_rdataset_first(rdataset);
             result == ISC_R_SUCCESS;
             result = dns_rdataset_next(rdataset));
#endif
result = dns_rdataset_next(rdataset)) {
    dns_rdata_t aaaa = DNS_RDATA_INIT;
dns_rdataset_current(rdataset, &aaaa);

    result = isc_buffer_allocate(mctx, &b, 80);
    check_result(result, "isc_buffer_allocate");

dns_rdata_totext(&aaaa, &ns.name, b);
isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';
strlcpy(namestr, (char*)r.base,
DNS_NAME_FORMATSIZE);
isc_buffer_free(&b);
dns_rdata_reset(&aaaa);

srv = make_server(namestr, namestr);

ISC_LIST_APPEND(lookup->my_server_list,
srv, link);
}
}

rdataset = NULL;
result = advanced_rrssearch(&rdataset, &ns.name, dns_rdatatype_a,
    dns_rdatatype_any, &t);
if (result == ISC_R_SUCCESS) {
    for (result = dns_rdataset_first(rdataset);
        result == ISC_R_SUCCESS;
        result = dns_rdataset_next(rdataset)) {
        dns_rdata_t a = DNS_RDATA_INIT;
dns_rdataset_current(rdataset, &a);

        result = isc_buffer_allocate(mctx, &b, 80);
        check_result(result, "isc_buffer_allocate");

dns_rdata_totext(&a, &ns.name, b);
isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';
strlcpy(namestr, (char*)r.base,
DNS_NAME_FORMATSIZE);
isc_buffer_free(&b);
dns_rdata_reset(&a);
printf("ns name: %s\n", namestr);

srv = make_server(namestr, namestr);
ISC_LIST_APPEND(lookup->my_server_list, srv, link);
}
}
#else

dns_name_format(&ns.name, namestr, sizeof(namestr));
printf("ns name: ");
dns_name_print(&ns.name, stdout);
printf("\n");
srv = make_server(namestr, namestr);
ISC_LIST_APPEND(lookup->my_server_list, srv, link);
#endif

dns_rdata_freestruct(&ns);
dns_rdata_reset(&rdata);
}
ISC_LIST_APPEND(lookup_list, lookup, link);
printf("\nLaunch a query to find a RRset of type ");
print_type(lookup->rdtype);
printf(" for zone: ");
printf("%s", lookup->textname);
printf(" with nameservers: ");
printf("\n");
print_rdataset(name, chase_nsrdataset);
return (ISC_R_SUCCESS);
}

isc_result_t
child_of_zone(dns_name_t * name, dns_name_t * zone_name,
             dns_name_t * child_name)
{
    dns_namereln_t name_reln;
    int orderp;
    unsigned int nlabelsp;

    name_reln = dns_name_fullcompare(name, zone_name, &orderp, &nlabelsp);
    if (name_reln != dns_namereln_subdomain ||
        dns_name_countlabels(name) < dns_name_countlabels(zone_name) + 1) {
        printf("\n\n;; ERROR : ");
        dns_name_print(name, stdout);
        printf(" is not a subdomain of: ");
        dns_name_print(zone_name, stdout);
        printf(" FAILED\n\n");
        return (ISC_R_FAILURE);
    }
    return ISC_R_SUCCESS;
}
isc_result_t
grandfather_pb_test(dns_name_t *zone_name, dns_rdataset_t *sigrdataset) {
dns_rdata_sig_t siginfo;
dns_rdataset_t mysigrdataset;
isc_result_t result;

dns_rdataset_init(&mysigrdataset);
dns_rdataset_clone(sigrdataset, &mysigrdataset);

result = dns_rdataset_first(&mysigrdataset);
check_result(result, "empty RRSIG dataset");

do {
  dns_rdata_t sigdata = DNS_RDATA_INIT;
  
dns_rdataset_current(&mysigrdataset, &sigdata);
  
  result = dns_rdata_tostruct(&sigdata, &siginfo, NULL);
  check_result(result, "sigdata tostruct siginfo");

  if (dns_name_compare(&siginfo.signer, zone_name) == 0) {
    result = ISC_R_SUCCESS;
    goto cleanup;
  }
} while (dns_rdataset_next(&mysigrdataset) == ISC_R_SUCCESS);

result = ISC_R_FAILURE;
cleanup:
  dns_rdataset_disassociate(&mysigrdataset);

return (result);
}

isc_result_t
initialization(dns_name_t *name) {
  
}
bool t = true;

chase_nsrdataset = NULL;
result = advanced_rsearch(&chase_nsrdataset, name, dns_rdatatype_ns,
                         dns_rdatatype_any, &t);
if (result != ISC_R_SUCCESS) {
    printf("\n;; NS RRset is missing to continue validation:
         " FAILED\n\n");
    return (ISC_R_FAILURE);
}
INSIST(chase_nsrdataset != NULL);
prepare_lookup(name);

dup_name(name, &chase_current_name);

return (ISC_R_SUCCESS);
}

#endif

void
print_rdataset(dns_name_t *name, dns_rdataset_t *rdataset)
{
    isc_buffer_t *b = NULL;
    isc_result_t result;
    isc_region_t r;

    result = isc_buffer_allocate(mctx, &b, 9000);
    check_result(result, "isc_buffer_allocate");

dighost_printrdataset(name, rdataset, b);

    isc_buffer_usedregion(b, &r);
    r.base[r.length] = '\0';

    printf("%s\n", r.base);

    isc_buffer_free(&b);
}

void
dup_name(dns_name_t *source, dns_name_t *target) {
    isc_result_t result;

    if (dns_name_dynamic(target))
        free_name(target);
    result = dns_name_dup(source, mctx, target);

check_result(result, "dns_name_dup");
}

void
free_name(dns_name_t *name) {
    dns_name_free(name, mctx);
    dns_name_init(name, NULL);
}

/*
 * take a DNSKEY RRset and the RRSIG RRset corresponding in parameter
 * return ISC_R_SUCCESS if the DNSKEY RRset contains a trusted_key
 * and the RRset is valid
 * return ISC_R_NOTFOUND if not contains trusted key
 * or if the RRset isn't valid
 * return ISC_R_FAILURE if problem
 *
 */
isc_result_t
contains_trusted_key(dns_name_t *name, dns_rdataset_t *rdataset,
                      dns_rdataset_t *sigrdataset)
{
    dns_rdataset_t myrdataset;
    dst_key_t *dnsseckey = NULL;
    int i;
    isc_result_t result;

    if (name == NULL || rdataset == NULL)
        return (ISC_R_FAILURE);
    dns_rdataset_init(&myrdataset);
    dns_rdataset_clone(rdataset, &myrdataset);
    result = dns_rdataset_first(&myrdataset);
    check_result(result, "empty rdataset");
    do {
        dns_rdata_t rdata = DNS_RDATA_INIT;
        dns_rdataset_current(&myrdataset, &rdata);
        INSIST(rdata.type == dns_rdatatype_dnskey);
        result = dns_dnssec_keyfromrdata(name, &rdata,
                                         mctx, &dnsseckey);
        check_result(result, "dns_dnssec_keyfromrdata");
        for (i = 0; i < tk_list.nb_tk; i++) {
if (dst_key_compare(tk_list.key[i], dnsseckey) == true) {
    dns_rdata_reset(&rdata);

    printf(";; Ok, find a Trusted Key in the "
          "DNSKEY RRset: %d\n", 
          dst_key_id(dnsseckey));
    result = sigchase_verify_sig_key(name, rdataset, 
            dnsseckey, 
            sigrdataset);
    if (result == ISC_R_SUCCESS)
        goto cleanup;
}
}
dst_key_free(&dnsseckey);
} while (dns_rdataset_next(&myrdataset) == ISC_R_SUCCESS);

result = ISC_R_NOTFOUND;

cleanup:
if (dnsseckey != NULL)
    dst_key_free(&dnsseckey);
    dns_rdataset_disassociate(&myrdataset);

    return (result);
}

isc_result_t
sigchase_verify_sig(dns_name_t *name, dns_rdataset_t *rdataset, 
                    dns_rdataset_t *keyrdataset, 
                    dns_rdataset_t *sigrdataset)
{
    dns_rdataset_t mykeyrdataset;
    dst_key_t *dnsseckey = NULL;
    isc_result_t result;

    dns_rdataset_init(&mykeyrdataset);
    dns_rdataset_clone(keyrdataset, &mykeyrdataset);

    result = dns_rdataset_first(&mykeyrdataset);
    check_result(result, "empty DNSKEY dataset");

    do {
        dns_rdata_t keyrdata = DNS_RDATA_INIT;

        dns_rdataset_current(&mykeyrdataset, &keyrdata);
        INSIST(keyrdata.type == dns_rdatatype_dnskey);
result = dns_dnssec_keyfromrdata(name, &keyrdata, mctx, &dnsseckey);
check_result(result, "dns_dnssec_keyfromrdata");

result = sigchase_verify_sig_key(name, rdataset, dnsseckey, sigrdataset);
if (result == ISC_R_SUCCESS)
goto cleanup;
dst_key_free(&dnsseckey);
} while (dns_rdataset_next(&mykeyrdataset) == ISC_R_SUCCESS);
result = ISC_R_NOTFOUND;

cleanup:
if (dnsseckey != NULL)
dst_key_free(&dnsseckey);
dns_rdataset_disassociate(&mykeyrdataset);
return (result);

isc_result_t sigchase_verify_sig_key(dns_name_t *name, dns_rdataset_t *rdataset,
dst_key_t *dnsseckey, dns_rdataset_t *sigrdataset)
{
dns_rdata_sig_t siginfo;
dns_rdataset_t myrdataset;
dns_rdataset_t mysigrdataset;
isc_result_t result;
dns_rdataset_init(&myrdataset);
dns_rdataset_clone(rdataset, &myrdataset);
dns_rdataset_init(&mysigrdataset);
dns_rdataset_clone(sigrdataset, &mysigrdataset);
result = dns_rdataset_first(&mysigrdataset);
check_result(result, "empty RRSIG dataset");
do {
    dns_rdata_t sigdata = DNS_RDATA_INIT;
dns_rdataset_current(&mysigrdataset, &sigdata);
result = dns_rdata_tostruct(&sigdata, &siginfo, NULL);
check_result(result, "sigdata tostruct siginfo");
/
* Test if the id of the DNSKEY is
* the id of the DNSKEY signer's
*
if (siginfo.keyid == dst_key_id(dnsseckey)) {

result = dns_rdataset_first(&myrdataset);
check_result(result, "empty DS dataset");

result = dns_dnssec_verify(name, &myrdataset, dnsseckey,
false, mctx, &sigrdata);

printf(";; VERIFYING ");
print_type(rdataset->type);
printf(" RRset for ");
dns_name_print(name, stdout);
printf(" with DNSKEY:%d: %s\n", dst_key_id(dnsseckey),
isc_result_totext(result));

if (result == ISC_R_SUCCESS)
goto cleanup;
}
} while (dns_rdataset_next(&mysigrdataset) == ISC_R_SUCCESS);

result = ISC_R_NOTFOUND;

cleanup:
dns_rdataset_disassociate(&myrdataset);
dns_rdataset_disassociate(&mysigrdataset);

return (result);
}

isc_result_t
sigchase_verify_ds(dns_name_t *name, dns_rdataset_t *keyrdataset,
dns_rdataset_t *dsrdataset)
{
dns_rdata_ds_t dsinfo;
dns_rdataset_t mydsrdataset;
dns_rdataset_t mykeyrdataset;
dst_key_t *dnsseckey = NULL;
isc_result_t result;
unsigned char dsbuf[DNS_DS_BUFFERSIZE];

dns_rdataset_init(&mydsrdataset);
dns_rdataset_clone(dsrdataset, &mydsrdataset);
dns_rdataset_init(&mykeyrdataset);
dns_rdataset_clone(keyrdataset, &mykeyrdataset);
result = dns_rdataset_first(&mydsrdataset);
check_result(result, "empty DSset dataset");
do {
    dns_rdata_t dsrdata = DNS_RDATA_INIT;
    dns_rdataset_current(&mydsrdataset, &dsrdata);
    result = dns_rdata_tostruct(&dsrdata, &dsinfo, NULL);
    check_result(result, "dns_rdata_tostruct for DS");
}
result = dns_rdataset_first(&mykeyrdataset);
check_result(result, "empty KEY dataset");
do {
    dns_rdata_t keyrdata = DNS_RDATA_INIT;
    dns_rdataset_current(&mykeyrdataset, &keyrdata);
    INSIST(keyrdata.type == dns_rdatatype_dnskey);
    result = dns_dnssec_keyfromrdata(name, &keyrdata, mctx, &dnsseckey);
    check_result(result, "dns_dnssec_keyfromrdata");
/*
 * Test if the id of the DNSKEY is the
 * id of DNSKEY referenced by the DS
 */
    if (dsinfo.key_tag == dst_key_id(dnsseckey)) {
        dns_rdata_t newdsrdata = DNS_RDATA_INIT;
        result = dns_ds_buildrdata(name, &keyrdata,
            dsinfo.digest_type,
            dsbuf, &newdsrdata);
        dns_rdata_freestruct(&dsinfo);
        if (result != ISC_R_SUCCESS) {
            printf("Oops: impossible to build" 
                " new DS rdata\n");
            goto cleanup;
        }
        if (dns_rdata_compare(&dsrdata,
            &newdsrdata) == 0) {
            printf(";; OK a DS valids a DNSKEY" 
                " in the RRset\n");
            printf(";; Now verify that this" 
                " DNSKEY validates the " 
                );
        }
    }
}
result = sigchase_verify_sig_key(name,
   keyrdataset,
   dnsseckey,
   chase_sigkeyrdataset);
if (result == ISC_R_SUCCESS)
goto cleanup;
} else {
    printf(";; This DS is NOT the DS for" 
          " the chasing KEY: FAILED\n");
}

dst_key_free(&dnsseckey);
} while (dns_rdataset_next(&mykeyrdataset) == ISC_R_SUCCESS);
} while (dns_rdataset_next(&mydsrdataset) == ISC_R_SUCCESS);

result = ISC_R_NOTFOUND;

cleanup:
if (dnsseckey != NULL)
dst_key_free(&dnsseckey);
dns_rdataset_disassociate(&mydsrdataset);
dns_rdataset_disassociate(&mykeyrdataset);

return (result);

/******************************************************/
/*
 * take a pointer on a rdataset in parameter and try to resolv it.
 * the searched rrset is a rrset on 'name' with type 'type'
 * (and if the type is a rrsig the signature cover 'covers').
 * the lookedup is to known if you have already done the query on the net.
 * ISC_R_SUCCESS: if we found the rrset
 * ISC_R_NOTFOUND: we do not found the rrset in cache
 * and we do a query on the net
 * ISC_R_FAILURE: rrset not found
 */
isc_result_t
advanced_rrsearch(dns_rdataset_t **rdataset, dns_name_t *name,
   dns_rdatatype_t type, dns_rdatatype_t covers,
   bool *lookedup)
{
    bool tmplookedup;

    INSIST(rdataset != NULL);

    /*
     *
     */

    result = sigchase_verify_sig_key(name,
       keyrdataset,
       dnsseckey,
       chase_sigkeyrdataset);
    if (result == ISC_R_SUCCESS)
goto cleanup;
    } else { 
        printf(";; This DS is NOT the DS for" 
                " the chasing KEY: FAILED\n"); 
        
    } 
    
dst_key_free(&dnsseckey);
    while (dns_rdataset_next(&mykeyrdataset) == ISC_R_SUCCESS);
    while (dns_rdataset_next(&mydsrdataset) == ISC_R_SUCCESS);

    result = ISC_R_NOTFOUND;

    cleanup:
    if (dnsseckey != NULL)
dst_key_free(&dnsseckey);
dns_rdataset_disassociate(&mydsrdataset);
dns_rdataset_disassociate(&mykeyrdataset);

    return (result);
    
    
    /*
     *
     */
    isc_result_t
    advanced_rrsearch(dns_rdataset_t **rdataset, dns_name_t *name,
       dns_rdatatype_t type, dns_rdatatype_t covers,
       bool *lookedup)
    {
       bool tmplookedup;

       INSIST(rdataset != NULL);
if (*rdataset != NULL)
return (ISC_R_SUCCESS);

tmplookedup = *lookedup;
if ((*rdataset = sigchase_scannname(type, covers,
lookedup, name)) == NULL) {
if (tmplookedup)
return (ISC_R_FAILURE);
return (ISC_R_NOTFOUND);
}
*lookedup = false;
return (ISC_R_SUCCESS);

#if DIG_SIGCHASE_TD
void
sigchase_td(dns_message_t *msg)
{
is_result_t result;
dns_name_t *name = NULL;
bool have_answer = false;
bool t = true;

if (msg->rcode != dns_rcode_noerror &&
    msg->rcode != dns_rcode_nxdomain) {
char buf[20];
isc_buffer_t b;

isc_buffer_init(&b, buf, sizeof(buf));
result = dns_rcode_totext(msg->rcode, &b);
check_result(result, "dns_rcode_totext failed");
printf("error response code %.*s
",
(int)isc_buffer_usedlength(&b), buf);
error_message = msg;
return;
}

if ((result = dns_message_firstname(msg, DNS_SECTION_ANSWER))
    == ISC_R_SUCCESS) {
dns_message_currentname(msg, DNS_SECTION_ANSWER, &name);
if (current_lookup->trace_root_sigchase) {
initialization(name);
return;
}
have_answer = true;
} else {

if (!current_lookup->trace_root_sigchase) {
    result = dns_message_firstname(msg, DNS_SECTION_AUTHORITY);
    if (result != ISC_R_SUCCESS) {
        printf("no answer or authority section\n");
        error_message = msg;
        return;
    }
    dns_message_currentname(msg, DNS_SECTION_AUTHORITY, &name);
    chase_nsrdataset = chase_scanname_section(msg, name, dns_rdatatype_ns, dns_rdatatype_any, DNS_SECTION_AUTHORITY);
    dup_name(name, &chase_authority_name);
    if (chase_nsrdataset != NULL) {
        have_delegation_ns = true;
        printf("no response but there is a delegation"
            " in authority section: ");
        dns_name_print(name, stdout);
        printf("\n");
    } else {
        printf("no response and no delegation in "
            "authority section but a reference"
            " to ");
        dns_name_print(name, stdout);
        printf("\n");
        error_message = msg;
    }
} else {
    printf(";; NO ANSWERS: %s\n", isc_result_totext(result));
    free_name(&chase_name);
    clean_trustedkey();
    return;
}

if (have_answer) {
    chase_rdataset = chase_scanname_section(msg, &chase_name, current_lookup->rdtype_sigchase, dns_rdatatype_any, DNS_SECTION_ANSWER);
    if (chase_rdataset != NULL)
have_response = true;
}

result = advanced_rrsearch(&chase_keyrdataset,
    &chase_current_name,
    dns_rdatatype_dnskey,
    dns_rdatatype_any,
    &chase_keylookedup);
if (result == ISC_R_FAILURE) {
    printf(";; DNSKEY is missing to continue validation:\n" " FAILED\n\n");
go to cleanandgo;
}
if (result == ISC_R_NOTFOUND)
    return;
INSIST(chase_keyrdataset != NULL);
printf(";; DNSKEYset:\n");
print_rdataset(&chase_current_name , chase_keyrdataset);

result = advanced_rrsearch(&chase_sigkeyrdataset,
    &chase_current_name,
    dns_rdatatype_rrsig,
    dns_rdatatype_dnskey,
    &chase_sigkeylookedup);
if (result == ISC_R_FAILURE) {
    printf(";; RRSIG of DNSKEY is missing to continue validation:\n" " FAILED\n\n");
go to cleanandgo;
}
if (result == ISC_R_NOTFOUND)
    return;
INSIST(chase_sigkeyrdataset != NULL);
printf(";; RRSIG of the DNSKEYset:\n");
print_rdataset(&chase_current_name , chase_sigkeyrdataset);

if (!chase_dslookedup && !chase_nslookedup) {
    if (!delegation_follow) {
        result = contains_trusted_key(&chase_current_name,
            chase_keyrdataset,
            chase_sigkeyrdataset);
    } else {
        INSIST(chase_dsrdataset != NULL);
        INSIST(chase_sigdsrdataset != NULL);
        result = sigchase_verify_ds(&chase_current_name,
            chase_keyrdataset,
            chase_dsrdataset);
if (result != ISC_R_SUCCESS) {
    printf(";; chain of trust can't be validated:
           " FAILED\n\n");
goto cleanandgo;
} else {
    chase_dsrdataset = NULL;
    chase_sigsrdataset = NULL;
}

if (have_response || (!have_delegation_ns && !have_response)) {
/* test if it's a grand father case */

if (have_response) {
    result = advanced_rrsearch(&chase_sigrdataset,
        &chase_name,
        dns_rdatatype_rrsig,
        current_lookup
         ->rdtype_sigchase,
        &t);
    if (result == ISC_R_FAILURE) {
        printf(";; RRset is missing to continue
               " validation SHOULD NOT APPEND:"
               " FAILED\n\n");
goto cleanandgo;
    } else {
        result = advanced_rrsearch(&chase_sigrdataset,
            &chase_authority_name,
            dns_rdatatype_rrsig,
            dns_rdatatype_any,
            &t);
        if (result == ISC_R_FAILURE) {
            printf(";; RRSIG is missing to continue"
                   " validation SHOULD NOT APPEND:"
                   " FAILED\n\n");
goto cleanandgo;
        }
    }
}

result = grandfather_pb_test(&chase_current_name,
    chase_sigrdataset);
if (result != ISC_R_SUCCESS) {
    dns_name_t tmp_name;
    printf(";; We are in a Grand Father Problem:"
chase_rdataset = NULL;
chase_sigrdataset = NULL;
have_response = false;
have_delegation_ns = false;

dns_name_init(&tmp_name, NULL);
result = child_of_zone(&chase_name, &chase_current_name,
 &tmp_name);
if (result != ISC_R_SUCCESS)
goto cleanandgo;
if (dns_name_dynamic(&chase_authority_name))
free_name(&chase_authority_name);
dup_name(&tmp_name, &chase_authority_name);
printf(";; and we try to continue chain of trust\n" validation of the zone: ");
dns_name_print(&chase_authority_name, stdout);
printf("\n");
have_delegation_ns = true;
} else {
if (have_response)
goto finalstep;
else
chase_sigrdataset = NULL;
}

if (have_delegation_ns) {
chase_nsrdataset = NULL;
result = advanced_rrsearch(&chase_nsrdataset,
 &chase_authority_name,
 dns_rdatatype_ns,
 dns_rdatatype_any,
 &chase_nslookedup);
if (result == ISC_R_FAILURE) {
printf(";;NSset is missing to continue validation:\n" FAILED\n"");
goto cleanandgo;
}
if (result == ISC_R_NOTFOUND) {
return;
}
INSIST(chase_nsrdataset != NULL);

result = advanced_rrsearch(&chase_dsrdataset,
 &chase_authority_name,
 dns_rdatatype_ds,
 dns_rdatatype_any,
&chase_dslookedup);
if (result == ISC_R_FAILURE) {
    printf("\n\n;; DSset is missing to continue validation:
     " FAILED\n\n");
goto cleanandgo;
}
if (result == ISC_R_NOTFOUND)
    return;
INSIST(chase_dsrdataset != NULL);
printf("\n\n;; DSset:\n");
print_rdataset(&chase_authority_name , chase_dsrdataset);

result = advanced_rrsearch(&chase_sigdsrdataset,
                           &chase_authority_name,
                           dns_rdatatype_rrsig,
                           dns_rdatatype_ds,
                           &t);
if (result != ISC_R_SUCCESS) {
    printf("\n\n;; DSset is missing to continue validation:
     " FAILED\n\n");
goto cleanandgo;
}
printf("\n\n;; RRSIGset of DSset\n");
print_rdataset(&chase_authority_name, chase_sigdsrdataset);
INSIST(chase_sigdsrdataset != NULL);

result = sigchase_verify_sig(&chase_authority_name,
                           chase_dsrdataset,
                           chase_keyrdataset,
                           chase_sigdsrdataset);
if (result != ISC_R_SUCCESS) {
    printf("\n\n;; Impossible to verify the DSset:
     " FAILED\n\n");
goto cleanandgo;
}
chase_keyrdataset = NULL;
chase_sigkeyrdataset = NULL;

prepare_lookup(&chase_authority_name);

have_response = false;
have_delegation_ns = false;
delegation_follow = true;
error_message = NULL;
dup_name(&chase_authority_name, &chase_current_name);
free_name(&chase_authority_name);
return;
if (error_message != NULL) {
    dns_rdataset_t *rdataset;
    dns_rdataset_t *sigrdataset;
    dns_name_t rdata_name;
    isc_result_t ret = ISC_R_FAILURE;
    dns_name_init(&rdata_name, NULL);
    result = prove_nx(error_message, &chase_name,
        current_lookup->rdclass_sigchase,
        current_lookup->rdtype_sigchase, &rdata_name,
        &rdataset, &sigrdataset);
    if (rdataset == NULL || sigrdataset == NULL ||
        dns_name_countlabels(&rdata_name) == 0) {
        printf("\n;; Impossible to verify the non-existence,";
        " the NSEC RRset can't be validated:");
        " FAILED\n\n");
        goto cleanandgo;
    }
    ret = sigchase_verify_sig(&rdata_name, rdataset,
        chase_keyrdataset,
        sigrdataset);
    if (ret != ISC_R_SUCCESS) {
        free_name(&rdata_name);
        printf("\n;; Impossible to verify the NSEC RR to prove";
        " the non-existence : FAILED\n\n");
        goto cleanandgo;
    }
    free_name(&rdata_name);
    if (result != ISC_R_SUCCESS) {
        printf("\n;; Impossible to verify the non-existence:";
        " FAILED\n\n");
        goto cleanandgo;
    } else {
        printf("\n;; OK the query doesn't have response but";
        " we have validate this fact : SUCCESS\n\n");
        goto cleanandgo;
    }
}

cleanandgo:
printf(";; cleanandgo \n");
if (dns_name_dynamic(&chase_current_name))
    free_name(&chase_current_name);
if (dns_name_dynamic(&chase_authority_name))
    free_name(&chase_authority_name);
clean_trustedkey();
return;

finalstep:
result = advanced_rsearch(&chase_rdataset, &chase_name, 
current_lookup->rdtype_sigchase, 
dns_rdatatype_any, 
&t);
if (result == ISC_R_FAILURE) {
    printf("\n; RRsig of RRset is missing to continue validation" 
        " SHOULD NOT APPEND: FAILED\n\n");
goto cleanandgo;
}
result = sigchase_verify_sig(&chase_name, chase_rdataset, 
    chase_keyrdataset, 
    chase_sigrdataset);
if (result != ISC_R_SUCCESS) {
    printf("\n; Impossible to verify the RRset : FAILED\n\n");
    /*
     * printf("RRset:\n");
     * print_rdataset(&chase_name , chase_rdataset);
     * printf("DNSKEYset:\n");
     * print_rdataset(&chase_name , chase_keyrdataset);
     * printf("RRSIG of RRset:\n");
     * print_rdataset(&chase_name , chase_sigrdataset);
     * printf("\n");
     */
    goto cleanandgo;
} else {
    printf("\n; The Answer:\n");
    print_rdataset(&chase_name , chase_rdataset);
    printf("\n; FINISH : we have validate the DNSSEC chain" 
        " of trust: SUCCESS\n\n");
goto cleanandgo;
}

#endif

#if DIG_SIGCHASE_BU

isc_result_t
getneededrr(dns_message_t *msg)
{
    isc_result_t result;
    dns_name_t *name = NULL;
dns_rdata_t sigdata = DNS_RDATA_INIT;
dns_rdata_sig_t siginfo;
bool t = true;

if ((result = dns_message_firstname(msg, DNS_SECTION_ANSWER))
    != ISC_R_SUCCESS) {
    printf(";; NO ANSWERS: %s\n", isc_result_totext(result));
}

if (chase_namendata == NULL)
    return (ISC_R_ADDRNOTAVAIL);
else {
    dns_message_currentname(msg, DNS_SECTION_ANSWER, &name);
}

/* What do we chase? */
if (chase_rdataset == NULL) {
    result = advanced_rrsearch(&chase_rdataset, name,
        dns_rdatatype_any,
        dns_rdatatypc_arity, &t);
    if (result != ISC_R_SUCCESS) {
        printf("\n;; No Answers: Validation FAILED\n\n");
        return (ISC_R_NOTFOUND);
    }
    dup_name(name, &chase_name);
    printf(";; RRset to chase:\n");
    print_rdataset(&chase_name, chase_rdataset);
} INSIST(chase_rdataset != NULL);

if (chase_sigrdataset == NULL) {
    result = advanced_rrsearch(&chase_sigrdataset, name,
        dns_rdatatypcrrsig,
        chase_rdataset->type,
        &chase_siglookedup);
    if (result == ISC_R_FAILURE) {
        printf("\n;; RRSIG is missing for continue validation:" \
            " FAILED\n\n");
        if (dns_name_dynamic(&chase_name))
            free_name(&chase_name);
        return (ISC_R_NOTFOUND);
    }
    if (result == ISC_R_NOTFOUND) {
        return (ISC_R_NOTFOUND);
    }
    printf("\n;; RRSIG of the RRset to chase:\n");
    print_rdataset(&chase_name, chase_sigrdataset);
INSIST(chase_sigrdataset != NULL);

/* first find the DNSKEY name */
result = dns_rdataset_first(chase_sigrdataset);
check_result(result, "empty RRSIG dataset");
dns_rdataset_current(chase_sigrdataset, &sigrdata);
result = dns_rdata_tostruct(&sigrdata, &siginfo, NULL);
check_result(result, "sigrdata tostruct siginfo");
dup_name(&siginfo.signer, &chase_signame);
dns_rdata_freestruct(&siginfo);
dns_rdata_reset(&sigrdata);

/* Do we have a key? */
if (chase_keyrdataset == NULL) {
result = advanced_rrsearch(&chase_keyrdataset,
   &chase_sigrname,
   dns_rdatatype_dnskey,
   dns_rdatatype_any,
   &chase_keylookedup);
if (result == ISC_R_FAILURE) {
printf("\n;; DNSKEY is missing to continue validation:
   " FAILED\n\n");
free_name(&chase_sigrname);
if (dns_name_dynamic(&chase_name))
free_name(&chase_name);
return (ISC_R_NOTFOUND);
}
if (result == ISC_R_NOTFOUND) {
free_name(&chase_sigrname);
return (ISC_R_NOTFOUND);
}
printf("\n;; DNSKEYset that signs the RRset to chase:\n");
print_rdataset(&chase_sigrname, chase_keyrdataset);
}
INSIST(chase_keyrdataset != NULL);

if (chase_sigkeyrdataset == NULL) {
result = advanced_rrsearch(&chase_sigkeyrdataset,
   &chase_sigrname,
   dns_rdatatype_rrsig,
   dns_rdatatype_dnskey,
   &chase_sigkeylookedup);
if (result == ISC_R_FAILURE) {
printf("\n;; RRSIG for DNSKEY is missing to continue
   " validation : FAILED\n\n");
free_name(&chase_sigrname);
if (dns_name_dynamic(&chase_name))
free_name(&chase_name);
}
free_name(&chase_name);
return (ISC_R_NOTFOUND);
}
if (result == ISC_R_NOTFOUND) {
free_name(&chase_signame);
return (ISC_R_NOTFOUND);
}
printf(";; RRSIG of the DNSKEYset that signs the "
"RRset to chase:\n\n");
print_rdataset(&chase_signame, chase_sigkeyrdataset);
} INSIST(chase_sigkeyrdataset != NULL);

if (chase_dsrdataset == NULL) {
result = advanced_rrsearch(&chase_dsrdataset, &chase_signame,
  dns_rdatatype_ds, dns_rdatatype_any,
  &chase_dslookedup);
if (result == ISC_R_FAILURE) {
printf("\n; WARNING There is no DS for the zone: ");
dns_name_print(&chase_signame, stdout);
printf("\n\n");
} if (result == ISC_R_NOTFOUND) {
free_name(&chase_signame);
return (ISC_R_NOTFOUND);
}
if (chase_dsrdataset != NULL) {
printf("\n;; DSset of the DNSKEYset\n\n");
print_rdataset(&chase_signame, chase_dsrdataset);
}
}

if (chase_dsrdataset != NULL) {
/*
 * if there is no RRSIG of DS,
 * we don't want to search on the network
 */
result = advanced_rrsearch(&chase_sigsdsdataset,
  &chase_signame,
  dns_rdatatype_rrsig,
  dns_rdatatype_ds, &t);
if (result == ISC_R_FAILURE) {
printf("\n; WARNING : NO RRSIG DS : RRSIG DS" 
" should come with DS\n\n");
/*
 * We continue even the DS couldn't be validated,
 * because the DNSKEY could be a Trusted Key.
chase_dsrdataset = NULL;
} else {
    printf("\n;; RRSIG of the DSset of the DNSKEYset\n");
    print_rdataset(&chase_signame, chase_sigdsrdataset);
}
return (1);
}

/*

void
sigchase_bu(dns_message_t *msg)
{
    isc_result_t result;
    int ret;

    if (tk_list.nb_tk == 0) {
        result = get_trusted_key();
        if (result != ISC_R_SUCCESS) {
            printf("No trusted keys present\n");
            return;
        }
    }

    ret = getneededrr(msg);
    if (ret == ISC_R_NOTFOUND)
        return;
    if (ret == ISC_R_ADDRNOTAVAIL) {
        /* We have no response */
        dns_rdataset_t *rdataset;
        dns_rdataset_t *sigrdataset;
        dns_name_t rdata_name;
        dns_name_t query_name;
        dns_name_init(&query_name, NULL);
        dns_name_init(&rdata_name, NULL);
        nameFromString(current_lookup->textname, &query_name);
        result = prove_nx(msg, &query_name, current_lookup->rdclass,
                        current_lookup->rdtype, &rdata_name,
                        &rdataset, &sigrdataset);
        free_name(&query_name);
        if (rdataset == NULL || sigrdataset == NULL ||

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```c

dns_name_countlabels(&rdata_name) == 0) {
    printf("\n;; Impossible to verify the Non-existence,"
        " the NSEC RRset can't be validated: 
        "FAILED\n\n");
clean_trustedkey();
return;
}

if (result != ISC_R_SUCCESS) {
    printf("\n No Answers and impossible to prove the"
        " unsecurity : Validation FAILED\n\n");
clean_trustedkey();
return;
}
printf(";; An NSEC prove the non-existence of a answers,"
    " Now we want validate this NSEC\n");

dup_name(&rdata_name, &chase_name);
free_name(&rdata_name);
chase_rdataset = rdataset;
chase_sigrdataset = sigrdataset;
chase_keyrdataset = NULL;
chase_sigskeyrdataset = NULL;
chase_dsrdataset = NULL;
chase_sigsdsrdataset = NULL;
chase_siglookedup = false;
chase_keylookedup = false;
chase_dslookedup = false;
chase_sigsdslookedup = false;
sigchase(msg);
clean_trustedkey();
return;
}

printf("\n\n\n;; WE HAVE MATERIAL, WE NOW DO VALIDATION\n");

result = sigchase_verify_sig(&chase_name, chase_rdataset,
    chase_keyrdataset,
    chase_sigrdataset);
if (result != ISC_R_SUCCESS) {
    free_name(&chase_name);
    free_name(&chase_sigrname);
    printf(";; No DNSKEY is valid to check the RRSIG"
        " of the RRset: FAILED\n");
clean_trustedkey();
return;
}
```

Open Source Used In SDWan 20.4.1 1220
printf(";; OK We found DNSKEY (or more) to validate the RRset\n");

result = contains_trusted_key(&chase_name, chase_keyrdataset,
    chase_sigkeyrdataset);
if (result == ISC_R_SUCCESS) {
    free_name(&chase_name);
    free_name(&chase_signame);
    printf(";; Ok this DNSKEY is a Trusted Key,
        " DNSSEC validation is ok: SUCCESS\n");
    clean_trustedkey();
    return;
}

printf(";; Now, we are going to validate this DNSKEY by the DS\n");

if (chase_dsrdataset == NULL) {
    free_name(&chase_name);
    free_name(&chase_signame);
    printf(";; the DNSKEY isn't trusted-key and there isn't
        " DS to validate the DNSKEY: FAILED\n");
    clean_trustedkey();
    return;
}

result = sigchase_verify_ds(&chase_signame, chase_keyrdataset,
    chase_dsrdataset);
if (result != ISC_R_SUCCESS) {
    free_name(&chase_signame);
    free_name(&chase_name);
    printf(";; ERROR no DS validates a DNSKEY in the
        " DNSKEY RRset: FAILED\n");
    clean_trustedkey();
    return;
} else
    printf(";; OK this DNSKEY (validated by the DS) validates
        " the RRset of the DNSKEYs, thus the DNSKEY validates
        " the RRset\n");

INSIST(chase_sigsrdataset != NULL);

dup_name(&chase_signame, &chase_name);
free_name(&chase_signame);
chase_rdataset = chase_dsrdataset;
chase_sigrdataset = chase_sigsrdataset;
chase_keyrdataset = NULL;
chase_sigskeyrdataset = NULL;
chase_dsrdataset = NULL;
chase_sigsrdataset = NULL;
chase_siglookedup = chase_keylookedup = false;
chase_dslookedup = chase_sigsdslookedup = false;

printf(";; Now, we want to validate the DS : recursive call\n");
sigchase(msg);
return;
}
#endif

void
sigchase(dns_message_t *msg) {
#if DIG_SIGCHASE_TD
if (current_lookup->do_topdown) {
    sigchase_td(msg);
    return;
}
#endif
#if DIG_SIGCHASE_BU
    sigchase_bu(msg);
    return;
#endif
}

/*
 * return 1 if name1 < name2
 * 0 if name1 == name2
 * -1 if name1 > name2
 * and -2 if problem
 */

int
inf_name(dns_name_t *name1, dns_name_t *name2) {
    dns_label_t label1;
    dns_label_t label2;
    unsigned int nblabel1;
    unsigned int nblabel2;
    int min_lum_label;
    int i;
    int ret = -2;

    nblabel1 = dns_name_countlabels(name1);
    nblabel2 = dns_name_countlabels(name2);

    if (nblabel1 >= nblabel2)
        min_lum_label = nblabel2;
    else
        min_lum_label = nblabel1;
for (i=1 ; i < min_lum_label; i++) {
    dns_name_getlabel(name1, nblabel1 -1 - i, &label1);
    dns_name_getlabel(name2, nblabel2 -1 - i, &label2);
    if ((ret = isc_region_compare(&label1, &label2)) != 0) {
        if (ret < 0)
            return (-1);
        else if (ret > 0)
            return (1);
    }
}
if (nblabel1 == nblabel2)
    return (0);
if (nblabel1 < nblabel2)
    return (-1);
else
    return (1);
}
/**
 *
 */
isc_result_t prove_nx_domain(dns_message_t *msg,
    dns_name_t *name,
    dns_name_t *rdata_name,
    dns_rdataset_t **rdataset,
    dns_rdataset_t **sigrdataset)
{
    isc_result_t ret = ISC_R_FAILURE;
    isc_result_t result = ISC_R_NOTFOUND;
    dns_rdataset_t *nsecset = NULL;
    dns_rdataset_t *signsecset = NULL;
    dns_rdata_t nsec = DNS_RDATA_INIT;
    dns_name_t *nsecname;
    dns_rdata_nsec_t nsecstruct;
    if ((result = dns_message_firstname(msg, DNS_SECTION_AUTHORITY))
        != ISC_R_SUCCESS) {
        printf(";; nothing in authority section : impossible to"
            " validate the non-existence : FAILED\n");
        return (ISC_R_FAILURE);
    }
    do {
nsecname = NULL;
dns_message_currentname(msg, DNS_SECTION_AUTHORITY, &nsecname);
nsecset = search_type(nsecname, dns_rdatatype_nsec,
    dns_rdatatype_any);
if (nsecset == NULL) continue;

printf("There is a NSEC for this zone in the" 
    " AUTHORITY section:\n");
print_rdataset(nsecname, nsecset);

for (result = dns_rdataset_first(nsecset); 
    result == ISC_R_SUCCESS; 
    result = dns_rdataset_next(nsecset)) {
    dns_rdataset_current(nsecset, &nsec);
    signsecset = chase_scanname_section(msg, nsecname, 
        dns_rdatatype_rrsig, 
        dns_rdatatype_nsec, 
        DNS_SECTION_AUTHORITY);
    if (signsecset == NULL) {
        printf(";; no RRSIG NSEC in authority section:" 
            " impossible to validate the " 
            "non-existence: FAILED\n");
        return (ISC_R_FAILURE);
    }
    ret = dns_rdata_tostruct(&nsec, &nsecstruct, NULL);
    check_result(ret,"dns_rdata_tostruct");

    if (((inf_name(nsecname, &nsecstruct.next) == 1 && 
        inf_name(name, &nsecstruct.next) == 1) || 
        (inf_name(name, nsecname) == 1 && 
        inf_name(&nsecstruct.next, name) == 1)) {
        *rdataset = nsecset;
        *sigrdataset = signsecset;
        dup_name(nsecname, rdata_name);

        return (ISC_R_SUCCESS);
    }

dns_rdata_freestruct(&nsecstruct);
dns_rdata_reset(&nsec);
} 
} while (dns_message_nextname(msg, DNS_SECTION_AUTHORITY) 
    == ISC_R_SUCCESS);
*rdataset = NULL;
*sigrdataset = NULL;
rdata_name = NULL;
return (ISC_R_FAILURE);
}

/**
 *
 *
 *
 *
 */
isc_result_t
prove_nx_type(dns_message_t *msg, dns_name_t *name, dns_rdataset_t *nsecset,
dns_rdataclass_t rdclass, dns_rdatatype_t type,
dns_name_t *rdata_name, dns_rdataset_t **rdataset,
dns_rdataset_t **sigrdataset)
{
    isc_result_t ret;
dns_rdataset_t *signsecset;
dns_rdata_t nsec = DNS_RDATA_INIT;

    UNUSED(rdclass);

    ret = dns_rdataset_first(nsecset);
    check_result(ret, "dns_rdataset_first");

    dns_rdataset_current(nsecset, &nsec);

    ret = dns_nsec_typepresent(&nsec, type);
    if (ret == ISC_R_SUCCESS)
        printf("OK the NSEC said that the type doesn't exist \n");

    signsecset = chase_scanname_section(msg, name,
        dns_rdatatype_rrsig,
        dns_rdatatype_nsec,
        DNS_SECTION_AUTHORITY);
    if (signsecset == NULL) {
        printf("There isn't RRSIG NSEC for the zone \n");
        return (ISC_R_FAILURE);
    }
    dup_name(name, rdata_name);

    *rdataset = nsecset;
    *sigrdataset = signsecset;

    return (ret);


```c
isc_result_t
prove_nx(dns_message_t *msg, dns_name_t *name, dns_rdataclass_t rdclass,
    dns_rdatatype_t type, dns_name_t *rdata_name,
    dns_rdataset_t **rdataset, dns_rdataset_t **sigrdataset)
{
    isc_result_t ret;
    dns_rdataset_t *nsecset = NULL;

    printf("We want to prove the non-existence of a type of rdata %d" 
           " or of the zone: \n", type);

    if ((ret = dns_message_firstname(msg, DNS_SECTION_AUTHORITY)) 
        != ISC_R_SUCCESS) {
        printf(";; nothing in authority section : impossible to" 
               " validate the non-existence : FAILED\n");
        return (ISC_R_FAILURE);
    }

    nsecset = chase_scanname_section(msg, name, dns_rdatatype_nsec, 
        dns_rdatatype_any, 
        DNS_SECTION_AUTHORITY);
    if (nsecset != NULL) {
        printf("We have a NSEC for this zone :OK\n");
        ret = prove_nx_type(msg, name, nsecset, rdclass, 
            type, rdata_name, rdataset, 
            sigrdataset);
        if (ret != ISC_R_SUCCESS) {
            printf("prove_nx: ERROR type exist\n");
            return (ret);
        } else {
            printf("prove_nx: OK type does not exist\n");
            return (ISC_R_SUCCESS);
        }
    } else {
        printf("there is no NSEC for this zone: validating " 
               "that the zone doesn't exist\n");
        ret = prove_nx_domain(msg, name, rdata_name, 
            rdataset, sigrdataset);
        return (ret);
    }
}
```
/* Never get here */
}
#endif

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.
* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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1.111 wildfly-version 11.1.1.Final
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1.112 gdb 8.0.1

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BEGIN{
    FS="\"; 
    print "/* == Do not modify this file!! */ \n    ".*- buffer-read-only: t -* vi" \n    ":set ro:"; 
    print " It is created automatically by copying.awk."
    print " Modify copying.awk instead. <= */; 
    print 
    print "/usr/include/defs.h" 
    print "/usr/include/command.h" 
    print "/usr/include/gdbcmd.h" 
    print 
    print "static void show_copying_command (char *, int);" 
    print 
    print "static void show_warranty_command (char *, int);" 
    print 
    print "void _initialize_copying (void);" 
    print 
    print "static void;" 
    print "show_copying_command (char *ignore, int from_tty)"; 
    print "[";
}
NR == 1,[^15]. Disclaimer of Warranty[^15].

if ($0 ~ //){
    printf mouseClicked ("\n\n"); 
}
else if ($0 !~ //[^15]. Disclaimer of Warranty[^15].)

    printf mouseClicked ("\n");
for (i = 1; i < NF; i++)
printf "\%s\n\", Si;
printf "\%s\n\n\", $NF;
}
}

END
{
print "\"
print "void"
print "\_initialize_copying (void)\";
print "\"
print "add_cmd ("copying", no_set_class, show_copying_command, ");
print "\_\(("Conditions for redistributing copies of GDB."), ");
print "\" &showlist);\";
print "add_cmd ("warranty", no_set_class, show_warranty_command, ");
print "\_\(("Various kinds of warranty you do not have."), ");
print "\" &showlist);\";
print "\"
print "\* For old-timers, allow \"info copying\", etc. \*/\"
print "add_info ("copying\", show_copying_command, ");
print "\_\(("Conditions for redistributing copies of GDB."));\"
print "add_info ("warranty\", show_warranty_command, ");
print "\_\(("Various kinds of warranty you do not have."));\"
print "\")\";
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Because of this blurred distinction, using the ordinary General
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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b) You must cause the files modified to carry prominent notices
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Appendix: How to Apply These Terms to Your New Libraries

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ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
#!/usr/bin/env python

# Copyright (C) 2011-2017 Free Software Foundation, Inc.
#
# This file is part of GDB.
#
# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3 of the License, or
# (at your option) any later version.
This script updates the list of years in the copyright notices in most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:

```
% filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```
import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!). The names of
    the files are relative to that root directory.
    ""
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
                    or reldirname in NOT_FSF_LIST
                    or reldirname in BY_HAND):
                    # Prune this directory from our search list.
                    dirs.remove(dirname)
                for filename in files:
                    relpath = "%s/%s" % (root, filename)
```
if (filename in EXCLUDE_ALL_LIST
       or relpath in EXCLUDE_LIST
       or relpath in NOT_FSF_LIST
       or relpath in BY_HAND):
    # Ignore this file.
    pass
else:
    result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    ""
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list
    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)

    for line in update_out:
        if line.endswith('w'):
            line = line[:-1]
        if line.endswith(warning_string):
            filename = line[:-warning_len]
            if may_have_copyright_notice(filename):
def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.
    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.
    The algorithm is fairly crude, meaning that it might return
    some false positives. I do not think it will return any false
    negatives... We might improve this function to handle more
    complex cases later...
    """
    # For now, it may have a copyright notice if we find the word
    # "Copyright" at the (reasonable) start of the given file, say
    # 50 lines...
    MAX_LINES = 50

    fd = open(filename)

    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > 50:
            return False
    return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):  
        print "Error: This script must be called from the gdb directory."  
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...
    if BY_HAND:
        print
print "\033[31mREMINDER: The following files must be updated by hand.\033[0m"
for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
    print "  ", filename

# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (
    'gdb/nat/glibc_thread_db.h',
    'gdb/CONTRIBUTE',
    'gdb/gnulib/import',
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = (    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    "fdl.texi", "gpl.texi", "aclocal.m4",
)

# The list of files to update by hand.
BY_HAND = (    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (
"gdb/doc/gdb.texinfo",
"gdb/doc/refcard.tex",
"gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = ( 
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb-gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/id-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gen-decode.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/id-decode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
    "sim/ppc/device_table.h", "sim/ppc/id-insn.c", "sim/ppc/inline.c",
    "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
    "sim/ppc/hw_idc.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",
    "sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
    "sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/id-cache.c",
    "sim/ppcregisters.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
    "sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
    "sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
    "sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
    "sim/ppc/bits.c", "sim/ppc/decode_fields.h", "sim/ppc/hw_memory.c",
    "sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_unix.h", "sim/ppc/psim.c",
"sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
"sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h",
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/lf.c", "sim/ppc/lf.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/lf.h", "sim/ppc/ld-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

if __name__ == "__main__":
    main()

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Version 2.1, February 1999

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.eclipse.jetty.toolchain:jetty-schemas

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1.116 neo4j-procedure-api 3.5.4

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* /opt/ws_local/PERMITS_SQL/1078286973_1597285663.32/0/jackson-mapper-asl-1-9-13-sources-2-
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### 1.120 openssh 8.0p1

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* */

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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;

Open Source Used In SDWan 20.4.1 1419
shortrevents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNRMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1)/* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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#ifndef HAVE_SETRESGID
int	setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int	setresuid(uid_t, uid_t, uid_t);
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*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*((int *)&(w))/* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w)((_W_INT(w)) & 0100)
#define WIFSIGNALED(w)(WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w)(int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w)(int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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1.124 radvd 1:2.11-1

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1.125 vdx-wildfly 1.1.6

1.126 isc-dhcp 4.3.0

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

    Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

    Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

    Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

    Author: Julio Merino <jmmv84@gmail.com>

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1.135 angular-cookies 1.6.6

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelFactory.java
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 */
* handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object. A {@link ChannelHandler} is supposed to interact with the
* [@link ChannelPipeline] it belongs to via a context object. Using the
* context object, the [@link ChannelHandler] can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using [@link AttributeKey]) which is specific to the handler.
* </p>
* 
* <h3>State management</h3>
* 
* A [@link ChannelHandler] often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
* </pre>
* 
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]<br/>
* 
* <b>private boolean loggedIn;</b>
**[code] [Override]**

```java
public void channelRead0([ChannelHandlerContext] ctx, Message message) {
    if (message instanceof LoginMessage) {
        authenticate((LoginMessage) message);
        isLoggedIn = true;
    } else if (message instanceof GetDataMessage) {
        if (isLoggedIn) {
            ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
        } else {
            fail();
        }
    }
}
```

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

```
// Create a new handler instance per channel.
// See [ChannelInitializer#initChannel](Channel).
public class DataServerInitializer extends [ChannelInitializer]<Channel> {
    [Override]
    public void initChannel([Channel] channel) {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```

**Using [AttributeKey](AttributeKey)**

Although it's recommended to use member variables to store the state of a
handler, for some reason you might not want to create many handler instances.
In such a case, you can use [AttributeKey](AttributeKey)s which is provided by

```
public interface Message {
    // your methods here
}
```

```
public class DataServerHandler extends [SimpleChannelInboundHandler]<Message> {
    private final [AttributeKey]<Boolean> auth = AttributeKey.valueOf("auth");
```

---

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* { code @Override}
* public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*   { code @link Attribute} &lt;{ code @link Boolean} &gt; attr = ctx.attr(auth);
*   if (message instanceof LoginMessage) {
*     authenticate((LoginMessage) o);
*     &lt;b&gt;attr.set(true)&lt;/b&gt;;
*   } else (message instanceof GetDataMessage) {
*     if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {
*       ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*     } else {
*       fail();
*       
*     }
*   }
*   ...
* }
* &lt;/pre&gt;
* Now that the state of the handler is attached to the { code @link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* &lt;pre&gt;
* public class DataServerInitializer extends { code @link ChannelInitializer}&lt;{ code @link Channel}&gt; { 
*   
*   { code @Override}
*   public void initChannel({code @link Channel} channel) {
*     channel.pipeline().addLast(&quot;handler&quot;, &lt;b&gt;SHARED&lt;/b&gt;);
*   }
* &lt;/pre&gt;
* 
* * <h4>The { code @Sharable} annotation</h4>
* <p>
* In the example above which used an { code @link AttributeKey},
* you might have noticed the { code @Sharable} annotation.
* <p>
* If a { code @link ChannelHandler} is annotated with the { code @Sharable} annotation, it means you can create an instance of the handler just once and
* add it to one or more { code @link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
Additional resources worth reading

Please refer to the `ChannelHandler`, and
`ChannelPipeline` to find out more about inbound and outbound operations,
what fundamental differences they have, how they flow in a pipeline, and how to handle
the operation in your application.

/*

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*/

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  jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/internal/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/PendingBytesTracker.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/socket/ChannelOutputShutdownException.java

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  jar/io/netty/channel/SimpleUserEventChannelHandler.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/socket/nio/NioChannelOption.java

1.140 concurrentlinkedhashmap-lru 1.4.1

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1.141 jackson-dataformat-cbor 2.8.6

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1.146 python-lockfile 0.12.2

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1.147 elasticsearch-cli 6.8.0

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* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/Log4jLoggerAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/StaticLoggerBinder.java
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* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/StaticMarkerBinder.java

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the 
application. Therefore, Subsection 2d requires that any 
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.173 bcmail-jdk15on 1.62

1.174 slf4j-api-module 1.7.5

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19.1.0.Final

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1.177 bcel 2.7.1

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# Constant-time SSSE3 AES core implementation.

## version 0.1

## By Mike Hamburg (Stanford University), 2009

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========

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1.185 classmate 1.3.4

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Fernando Perez began IPython in 2001 based on code from Janko Hauser <jhauser@zscout.de> and Nathaniel Gray <n8gray@caltech.edu>. Fernando is still the project lead.

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1.187 hibernate-jpa 1.0.0.Final

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<html lang="en">
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  <meta http-equiv="X-UA-Compatible" content="IE=edge">
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  <meta name="author" content="Mike Milinkovich, January 25, 2008"/>
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{"settings":{"cookies_class":{"name":"eclipse_settings","enabled":1}}} </script>
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1.192 wildfly-clustering-common 19.1.0.Final

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1.193 maven-war-plugin 2.5

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1.194 glibc 2.27

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That's all there is to it!
/* _setjmp is implemented in setjmp.S */

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1.201 elasticsearch-rest-high-level-client 6.8.0

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 */

package org.elasticsearch.client.license;

import org.elasticsearch.client.Validatable;

public class GetLicenseRequest implements Validatable {

    protected boolean local = false;

    public GetLicenseRequest() {
        super();
    }

    public GetLicenseRequest setLocal(boolean local) {
        this.local = local;
        return this;
    }

    public boolean isLocal() {
        return local;
    }

}
public class GetLicenseRequest {

    public GetLicenseRequest() {
    }

    public boolean isLocal() {
        return local;
    }

    public void setLocal(boolean local) {
        this.local = local;
    }
}

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 */

package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;
import static org.elasticsearch.common.xcontent.XContentParserUtils.ensureExpectedToken;

public class StartBasicResponse {

    private static final ConstructingObjectParser<StartBasicResponse, Void> PARSER = new 
    ConstructingObjectParser<>
    ('start_basic_response', true, (a, v) -> {
        boolean basicWasStarted = (Boolean) a[0];
        String errorMessage = (String) a[1];

        if (basicWasStarted) {
            return new StartBasicResponse(StartBasicResponse.Status.GENERATED_BASIC);
        }

        StartBasicResponse.Status status = StartBasicResponse.Status.fromErrorMessage(errorMessage);
        @SuppressWarnings("unchecked") Tuple<String, Map<String, String[]>> acknowledgements = (Tuple<String, 
        Map<String, String[]>) a[2];

        return new StartBasicResponse(status, acknowledgements.v2(), acknowledgements.v1());
    });

    static {
        PARSER.declareBoolean(constructorArg(), new ParseField("basic_was_started"));
        PARSER.declareString(optionalConstructorArg(), new ParseField("error_message"));
        PARSER.declareObject(optionalConstructorArg(), (parser, v) -> {
            Map<String, String[]> acknowledgeMessages = new HashMap<>();
            String message = null;
            XContentParser.Token token;
            String currentFieldName = null;
            while ((token = parser.nextToken()) != XContentParser.Token.END_OBJECT) {
                if (token == XContentParser.Token.FIELD_NAME) {
                    currentFieldName = parser.currentName();
                } else {
                    if (currentFieldName == null) {
                        throw new XContentParseException(parser.getTokenLocation(), "expected message header or 
                        acknowledgement");
                    } else {
                        if (currentFieldName.equals("message") || currentFieldName.equals("acknowledgement")) {
                            ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, 
                            parser::getTokenLocation);
                            message = parser.text();
                        } else {
                            if (token.equals(XContentParser.Token.START_ARRAY) || token.equals(XContentParser.Token.END_ARRAY) || token.equals(XContentParser.Token.START_OBJECT)) {
                                throw new XContentParseException(parser.getTokenLocation(), "expected message header or 
                                acknowledgement");
                            }
                        }
                    }
                }
            }

            List<String> acknowledgeMessagesList = new ArrayList<>();
            while ((token = parser.nextToken()) != XContentParser.Token.END_ARRAY) {
                ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, 
                parser::getTokenLocation);
            }
        });
    }

}
acknowledgeMessagesList.add(parser.text());
}

acknowledgeMessages.put(currentFieldName, acknowledgeMessagesList.toArray(new String[0]));
}
}
}

return new Tuple<>(message, acknowledgeMessages);
}, new ParseField("acknowledge");
}

private Map<String, String[]> acknowledgeMessages;
private String acknowledgeMessage;

public enum Status {
    GENERATED_BASIC(true, null),
    ALREADY_USING_BASIC(false, "Operation failed: Current license is basic."),
    NEED_ACKNOWLEDGEMENT(false, "Operation failed: Needs acknowledgement.");

    private final boolean isBasicStarted;
    private final String errorMessage;

    Status(boolean isBasicStarted, String errorMessage) {
        this.isBasicStarted = isBasicStarted;
        this.errorMessage = errorMessage;
    }

    static StartBasicResponse.Status fromErrorMessage(final String errorMessage) {
        final StartBasicResponse.Status[] values = StartBasicResponse.Status.values();
        for (StartBasicResponse.Status status : values) {
            if (Objects.equals(status.errorMessage, errorMessage)) {
                return status;
            }
        }
        throw new IllegalArgumentException("No status for error message ['" + errorMessage + "]");
    }
}

private StartBasicResponse.Status status;

private StartBasicResponse(StartBasicResponse.Status status) {
    this(status, Collections.emptyMap(), null);
}

private StartBasicResponse(StartBasicResponse.Status status,
        Map<String, String[]> acknowledgeMessages, String acknowledgeMessage) {
    this.status = status;
    this.acknowledgeMessages = acknowledgeMessages;
    this.acknowledgeMessage = acknowledgeMessage;
public Status getStatus() {
    return status;
}

public boolean isAcknowledged() {
    return status != StartBasicResponse.Status.NEED_ACKNOWLEDGEMENT;
}

public boolean isBasicStarted() {
    return status.isBasicStarted;
}

public String getErrorMessage() {
    return status.errorMessage;
}

public String getAcknowledgeMessage() {
    return acknowledgeMessage;
}

public Map<String, String[]> getAcknowledgeMessages() {
    return acknowledgeMessages;
}

public static StartBasicResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.parse(parser, null);
}
*/

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 */
package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.ObjectParser;
import org.elasticsearch.common.xcontent.XContentParser;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;

/**
 * Response class for license get trial status API
 */
public class GetTrialStatusResponse {

    private static final ParseField ELIGIBLE_TO_START_TRIAL = new ParseField("eligible_to_start_trial");

    private static final ConstructingObjectParser<GetTrialStatusResponse, Void> PARSER = new 
    ConstructingObjectParser<>(
           "get_trial_status_response", true, a -> new GetTrialStatusResponse((boolean) a[0]));

    static {
        PARSER.declareField(constructorArg(), (parser, context) -> parser.booleanValue(),
        ELIGIBLE_TO_START_TRIAL,
        ObjectParser.ValueType.BOOLEAN);
    }

    private final boolean eligibleToStartTrial;

    GetTrialStatusResponse(boolean eligibleToStartTrial) {
        this.eligibleToStartTrial = eligibleToStartTrial;
    }

    /**
     * Returns whether the license is eligible to start trial or not
     */
    public boolean isEligibleToStartTrial() {
        return eligibleToStartTrial;
    }

    public static GetTrialStatusResponse fromXContent(XContentParser parser) {
        return PARSER.apply(parser, null);
    }

    @Override
    public boolean equals(Object o) {
if (this == o) {
    return true;
}
if (o == null || getClass() != o.getClass()) {
    return false;
}
GetTrialStatusResponse that = (GetTrialStatusResponse) o;
return eligibleToStartTrial == that.eligibleToStartTrial;
}

@Override
public int hashCode() {
    return Objects.hash(eligibleToStartTrial);
}

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package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import org.elasticsearch.client.common.ProtocolUtils;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;

import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public final class PutLicenseResponse {

    private static final ConstructingObjectParser<PutLicenseResponse, Void> PARSER = new
    ConstructingObjectParser<
        "put_license_response", true, (a, v) -> {
            boolean acknowledged = (Boolean) a[0];
            LicensesStatus licensesStatus = LicensesStatus.fromString((String) a[1]);
            @SuppressWarnings("unchecked") Tuple<String, Map<String, String[]>> acknowledgements = (Tuple<String, Map<String, String[]>>) a[2];
            if (acknowledgements == null) {
                return new PutLicenseResponse(acknowledged, licensesStatus);
            } else {
                return new PutLicenseResponse(acknowledged, licensesStatus, acknowledgements.v1(),
                acknowledgements.v2());
            }
        });

    static {
        PARSER.declareBoolean(constructorArg(), new ParseField("acknowledged"));
        PARSER.declareString(constructorArg(), new ParseField("license_status"));
        PARSER.declareObject(optionalConstructorArg(), (parser, v) -> {
            Map<String, String[]> acknowledgeMessages = new HashMap<>();
            String message = null;
            XContentParser.Token token;
            String currentFieldName = null;
            while ((token = parser.nextToken()) != XContentParser.Token.END_OBJECT) {
                if (token == XContentParser.Token.FIELD_NAME) {
                    currentFieldName = parser.currentName();
                } else {
                    if (currentFieldName == null) {
                        throw new XContentParseException(parser.getTokenLocation(), "expected message header or
                        acknowledgement");
                    }
                    if ("message".equals(currentFieldName)) {
                        if (token != XContentParser.Token.VALUE_STRING) {
                            throw new XContentParseException(parser.getTokenLocation(), "unexpected message header
type");
                        }
                        message = parser.text();
                    } else {
                        if (token != XContentParser.Token.END_OBJECT) {
                            throw new XContentParseException(parser.getTokenLocation(), "unexpected token");
                        }
                    }
                }
            }
        });
    }
}
if (token != XContentParser.Token.START_ARRAY) {
    throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement type");
}
List<String> acknowledgeMessagesList = new ArrayList<>();
while ((token = parser.nextToken()) != XContentParser.Token.END_ARRAY) {
    if (token != XContentParser.Token.VALUE_STRING) {
        throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement text");
    }
    acknowledgeMessagesList.add(parser.text());
    acknowledgeMessages.put(currentFieldName, acknowledgeMessagesList.toArray(new String[0]));
}
return new Tuple<>(message, acknowledgeMessages);
}
private boolean acknowledged;
private LicensesStatus status;
private Map<String, String[]> acknowledgeMessages;
private String acknowledgeHeader;
public PutLicenseResponse() {
}
public PutLicenseResponse(boolean acknowledged, LicensesStatus status) {
    this(acknowledged, status, null, Collections.<String, String[]>emptyMap());
}
public PutLicenseResponse(boolean acknowledged, LicensesStatus status, String acknowledgeHeader, Map<String, String[]> acknowledgeMessages) {
    this.acknowledged = acknowledged;
    this.status = status;
    this.acknowledgeHeader = acknowledgeHeader;
    this.acknowledgeMessages = acknowledgeMessages;
}
public boolean isAcknowledged() {
    return acknowledged;
}
public LicensesStatus status() {
    return status;
}
public Map<String, String[]> acknowledgeMessages() {
    return acknowledgeMessages;
}

public String acknowledgeHeader() {
    return acknowledgeHeader;
}

public static PutLicenseResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.parse(parser, null);
}

@Override
public boolean equals(Object o) {
    if (this == o) return true;
    if (o == null || getClass() != o.getClass()) return false;
    if (!super.equals(o)) return false;
    PutLicenseResponse that = (PutLicenseResponse) o;

    return status == that.status &&
    ProtocolUtils.equals(acknowledgeMessages, that.acknowledgeMessages) &&
    Objects.equals(acknowledgeHeader, that.acknowledgeHeader);
}

@Override
public int hashCode() {
    return Objects.hash(super.hashCode(), status, ProtocolUtils.hashCode(acknowledgeMessages),
    acknowledgeHeader);
}

}
package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class DeleteLicenseRequest extends TimedRequest {
    
    } /*
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    */
    package org.elasticsearch.client.license;

    public class GetLicenseResponse {

        private String license;

        GetLicenseResponse() {
        }

        public GetLicenseResponse(String license) {
            this.license = license;
        }

        public String getLicenseDefinition() {
            return license;
        }
    }
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package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class StartBasicRequest extends TimedRequest {
    private final boolean acknowledge;

    public StartBasicRequest() {
        this(false);
    }

    public StartBasicRequest(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }
}

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*/
package org.elasticsearch.client.license;

/**
 * Status of an X-Pack license.
 */
public enum LicenseStatus {
    ACTIVE("active"),
    INVALID("invalid"),
    EXPIRED("expired");

    private final String label;

    LicenseStatus(String label) {
        this.label = label;
    }

    public String label() {
        return label;
    }

    public static LicenseStatus fromString(String value) {
        switch (value) {
            case "active":
                return ACTIVE;
            case "invalid":
                return INVALID;
            case "expired":
                return EXPIRED;
            default:
                throw new IllegalArgumentException("unknown license status [" + value + "]");
        }
    }
}

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package org.elasticsearch.client.license;

import org.elasticsearch.client.Validatable;
import org.elasticsearch.common.Nullable;

public class StartTrialRequest implements Validatable {
    private final boolean acknowledge;
    private final String licenseType;

    public StartTrialRequest() {
        this(false);
    }

    public StartTrialRequest(boolean acknowledge) {
        this(acknowledge, null);
    }

    public StartTrialRequest(boolean acknowledge, @Nullable String licenseType) {
        this.acknowledge = acknowledge;
        this.licenseType = licenseType;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }

    public String getLicenseType() {
        return licenseType;
    }
}

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package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.ObjectParser;
import org.elasticsearch.common.xcontent.XContentParser;
import java.util.Objects;

import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;

/**
 * Response class for license get basic status API
 */
public class GetBasicStatusResponse {

  private static final ParseField ELIGIBLE_TO_START_BASIC = new ParseField("eligible_to_start_basic");

  private static final ConstructingObjectParser<GetBasicStatusResponse, Void> PARSER = new ConstructingObjectParser<"get_basic_status_response", true, a -> new GetBasicStatusResponse((boolean) a[0]));

  static {
    PARSER.declareField(constructorArg(), (parser, context) -> parser.booleanValue(), ELIGIBLE_TO_START_BASIC, ObjectParser.ValueType.BOOLEAN);
  }

  private final boolean eligibleToStartBasic;

  GetBasicStatusResponse(boolean eligibleToStartBasic) {
    this.eligibleToStartBasic = eligibleToStartBasic;
  }

  /**
   * Returns whether the license is eligible to start basic or not
   */
public boolean isEligibleToStartBasic() {
    return eligibleToStartBasic;
}

public static GetBasicStatusResponse fromXContent(XContentParser parser) {
    return PARSER.apply(parser, null);
}

@Override
public boolean equals(Object o) {
    if (this == o) {
        return true;
    }
    if (o == null || getClass() != o.getClass()) {
        return false;
    }
    GetBasicStatusResponse that = (GetBasicStatusResponse) o;
    return eligibleToStartBasic == that.eligibleToStartBasic;
}

@Override
public int hashCode() {
    return Objects.hash(eligibleToStartBasic);
}

package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import java.io.IOException;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public class StartTrialResponse {

    private static final ConstructingObjectParser<StartTrialResponse, Void> PARSER = new
            ConstructingObjectParser<>(
            "start_trial_response",
            true,
            (Object[] arguments, Void aVoid) -> {
                final boolean acknowledged = (boolean) arguments[0];
                final boolean trialWasStarted = (boolean) arguments[1];
                final String licenseType = (String) arguments[2];
                final String errorMessage = (String) arguments[3];
                @SuppressWarnings("unchecked")
                final Tuple<String, Map<String, String[]>> acknowledgeDetails = (Tuple<String, Map<String, String[]>>)
                        arguments[4];
                final String acknowledgeHeader;
                final Map<String, String[]> acknowledgeMessages;
                if (acknowledgeDetails != null) {
                    acknowledgeHeader = acknowledgeDetails.v1();
                    acknowledgeMessages = acknowledgeDetails.v2();
                } else {
                    acknowledgeHeader = null;
                    acknowledgeMessages = null;
                }

                return new StartTrialResponse(acknowledged, trialWasStarted, licenseType, errorMessage,
                        acknowledgeHeader,
                        acknowledgeMessages);
            });

    static {
        PARSER.declareBoolean(constructorArg(), new ParseField("acknowledged"));
        PARSER.declareBoolean(constructorArg(), new ParseField("trial_was_started"));
    }
}
PARSER.declareString(optionalConstructorArg(), new ParseField("type"));
PARSER.declareString(optionalConstructorArg(), new ParseField("error_message"));
// todo consolidate this parsing with the parsing in PutLicenseResponse
PARSER.declareObject(optionalConstructorArg(), (parser, aVoid) -> {
    final Map<String, String[]> acknowledgeMessages = new HashMap<>();
    String message = null;

    final Map<String, Object> parsedMap = parser.map();
    for (Map.Entry<String, Object> entry : parsedMap.entrySet()) {
        if (entry.getKey().equals("message")) {
            if (entry.getValue() instanceof String) {
                message = (String) entry.getValue();
            } else {
                throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement header type");
            }
        } else {
            if (entry.getValue() instanceof List) {
                final List<String> messageStrings = new ArrayList<>();
                @SuppressWarnings("unchecked")
                final List<Object> messageObjects = (List<Object>) entry.getValue();
                for (Object messageObject : messageObjects) {
                    if (messageObject instanceof String) {
                        messageStrings.add((String) messageObject);
                    } else {
                        throw new XContentParseException(parser.getTokenLocation(), "expected text in acknowledgement message");
                    }
                }
                acknowledgeMessages.put(entry.getKey(), messageStrings.toArray(new String[messageStrings.size()]));
            } else {
                throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement message type");
            }
        }
    }
    if (message == null) {
        throw new XContentParseException(parser.getTokenLocation(), "expected acknowledgement header");
    }

    return new Tuple<>(message, acknowledgeMessages);
});
public static StartTrialResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.apply(parser, null);
}

private final boolean acknowledged;
private final boolean trialWasStarted;
private final String licenseType;
private final String errorMessage;
private final String acknowledgeHeader;
private final Map<String, String[]> acknowledgeMessages;

public StartTrialResponse(boolean acknowledged,
        boolean trialWasStarted,
        String licenseType,
        String errorMessage,
        String acknowledgeHeader,
        Map<String, String[]> acknowledgeMessages) {
    this.acknowledged = acknowledged;
    this.trialWasStarted = trialWasStarted;
    this.licenseType = licenseType;
    this.errorMessage = errorMessage;
    this.acknowledgeHeader = acknowledgeHeader;
    this.acknowledgeMessages = acknowledgeMessages;
}

/**
   * Returns true if the request that corresponds to this response acknowledged license changes that would occur as a
   * result of starting
   * a trial license
   */
public boolean isAcknowledged() {
    return acknowledged;
}

/**
   * Returns true if a trial license was started as a result of the request corresponding to this response. Returns false
   * if the cluster
   * did not start a trial, or a trial had already been started before the corresponding request was made
   */
public boolean isTrialWasStarted() {
    return trialWasStarted;
}

/**
   * If a trial license was started as a result of the request corresponding to this response (see \{@link
   #isTrialWasStarted()\} then
   * returns the type of license that was started on the cluster. Returns null otherwise
public String getLicenseType() {
    return licenseType;
}

/**
 * If a trial license was not started as a result of the request corresponding to this response (see @link 
isTrialWasStarted()) then
 * returns a brief message explaining why the trial could not be started. Returns false otherwise
 */
public String getErrorMessage() {
    return errorMessage;
}

/**
 * If the request corresponding to this response did not acknowledge licensing changes that would result from
 * starting a trial license
 * (see @link #isAcknowledged()), returns a message describing how the user must acknowledge licensing
 * changes as a result of
 * such a request. Returns null otherwise
 */
public String getAcknowledgeHeader() {
    return acknowledgeHeader;
}

/**
 * If the request corresponding to this response did not acknowledge licensing changes that would result from
 * starting a trial license
 * (see @link #isAcknowledged()), returns a map. The map's keys are names of commercial Elasticsearch
 * features, and their values are
 * messages about how those features will be affected by licensing changes as a result of starting a trial license
 */
public Map<String, String[]> getAcknowledgeMessages() {
    return acknowledgeMessages;
}
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*/

package org.elasticsearch.client.license;

import java.util.Locale;

public enum LicensesStatus {
  VALID((byte) 0),
  INVALID((byte) 1),
  EXPIRED((byte) 2);

  private final byte id;

  LicensesStatus(byte id) {
    this.id = id;
  }

  public int id() {
    return id;
  }

  public static LicensesStatus fromId(int id) {
    if (id == 0) {
      return VALID;
    } else if (id == 1) {
      return INVALID;
    } else if (id == 2) {
      return EXPIRED;
    } else {
      throw new IllegalArgumentException("no valid LicensesStatus for id=" + id);
    }
  }

  @Override
  public String toString() {
    return this.name().toLowerCase(Locale.ROOT);
  }
public static LicensesStatus fromString(String value) {
    switch (value) {
        case "valid":
            return VALID;
        case "invalid":
            return INVALID;
        case "expired":
            return EXPIRED;
        default:
            throw new IllegalArgumentException("unknown licenses status [" + value + "]");
    }
}

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 */

/**
 * Request and Response objects for the default distribution's License
 * APIs.
 */
package org.elasticsearch.client.license;
package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class PutLicenseRequest extends TimedRequest {

    private String licenseDefinition;
    private boolean acknowledge = false;

    public PutLicenseRequest() {
    }

    public void setLicenseDefinition(String licenseDefinition) {
        this.licenseDefinition = licenseDefinition;
    }

    public String getLicenseDefinition() {
        return licenseDefinition;
    }

    public void setAcknowledge(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public boolean isAcknowledge() {
        return acknowledge;
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}
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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/*
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# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$< (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$< $(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) "`echo $(my_dir) | sed -e 's;lib/;;'" $(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSDLIB_INSTALL_DIR)/$(BSD_LIB) $(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Theodore Ts'o
23-June-2007

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
 - Unix SMB/CIFS implementation.
+ trivial database library - standalone version

 - trivial database library - private includes
 -
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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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1.221 commons-lang3 3.8

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1.222 keyutils 1.5.9-8ubuntu1

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   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Appendix: How to Apply These Terms to Your New Programs

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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Version 2.1, February 1999

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative work.  (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

1.223 compress 1.20

1.223.1 Available under license :

Apache License
Version 2.0, January 2004
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1.224 tcp-dump 4.9.2

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1.225 checkstyle 6.1.1

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1.226 libxmu 1.1.2-2
1.226.1 Available under license:

No license file was found, but licenses were detected in source scan.

--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh
@@ -0,0 +1,14 @@
+#!/ /bin/sh
+
+srcdir=`dirname $0`
+
+test -z "$srcdir" && srcdir=.
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+    $srcdir/configure "$@"
+fi
--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+
+[ Andreas Boll ]
+ * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+ * when building in parallel (closes: #801059). Thanks, Matthias Klose!
+
+[ Julien Cristau ]
+ * Remove Cyril from Uploaders.
+ * Bump Standards-Version to 3.9.6, update Vcs-* control fields.

Open Source Used In SDWan 20.4.1 2108
+ -- Julien Cristau <jcristau@debian.org> Sat, 14 Nov 2015 10:04:44 +0100
  +libxmu (2:1.1.2-1) unstable; urgency=low
  +
  + * New upstream release.
  + * Add ${misc:Depends} to libxmu-headers.
  + * Use /usr/share/quilt/quilt.make instead of xsfbs for patching.
  + * Add build-{arch,indep} debian/rules targets.
  + * Bump debhelper compat level from 5 to 7.

+ -- Julien Cristau <jcristau@debian.org> Mon, 05 May 2014 14:13:01 +0200
  +libxmu (2:1.1.1-1) unstable; urgency=low
  +
  + * New upstream release.
  + * Don't require (fake)root for debian/rules clean.
  + * Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per
    configure.ac.
  + * Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call
    from debian/rules.
  + * Remove David Nusinow from Uploaders.
  + * Bump debhelper build-dep for ${misc:Pre-Depends} usage.

+ -- Julien Cristau <jcristau@debian.org> Sat, 21 Apr 2012 10:50:11 +0200
  +libxmu (2:1.1.0-3) unstable; urgency=low
  +
  + * Build for multiarch.

+ -- Steve Langasek <vorlon@debian.org> Fri, 21 Oct 2011 14:47:59 -0700
  +libxmu (2:1.1.0-2) unstable; urgency=low
  +
  [ Christopher James Halse Rogers ]
  + * debian/patches/01_dont_export_private_deps.patch:
    - The Xmu.h header uses libXt symbols in a #define, so libXt is not a
      private dep. With binutils-gold, the indirect dependency on Xt is not
      considered when linking with Xmu so this causes build failures.

  [ Julien Cristau ]
  + * Drop Pre-Depends on x11-common, only needed for upgrades from the
    monolith.

+ -- Julien Cristau <jcristau@debian.org> Thu, 28 Apr 2011 14:10:11 +0200
  +libxmu (2:1.1.0-1) unstable; urgency=low
  +
+ * New upstream release.
+ * Bump xutils-dev build-dep for new macros.
+ * Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
+ * Pass --with-xmlto and --without-fop (we want html and txt only).
+ * Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to
+   libxmu-headers.install file.
+ * Remove the hardcoded path to the X logo in the Xmu.html file.
+ * Kill *.xml in the doc directory, no point in shipping them.
+ * Switch from --list-missing to --fail-missing for additional safety.
+
+ -- Cyril Brulebois <kibi@debian.org> Fri, 19 Nov 2010 08:42:29 +0100
+
+libxmu (2:1.0.5-2) unstable; urgency=high
+
+ [ Julien Cristau ]
+ * Rename the build directory to not include DEB_BUILD_GNU_TYPE for no
+   good reason. Thanks, Colin Watson!
+ * Remove myself from Uploaders
+ * Don't pass both -s and -Nfoo/-pfoo to dh_strip. This resulted in an empty
+   libxmu1dbg (Closes: #594500). Thanks to Luca Falavigna for the report.
+
+ [ Cyril Brulebois ]
+ * Add myself to Uploaders.
+ * Bump urgency to high for the RC bugfix. Thanks to Jakub Wilk as well
+   for the report.
+
+ -- Cyril Brulebois <kibi@debian.org> Sat, 04 Sep 2010 14:32:30 +0200
+
+libxmu (2:1.0.5-1) unstable; urgency=low
+
+ [ Timo Aaltonen ]
+ * New upstream release.
+ * Fix 64bit support (closes: #521887)
+
+ [ Julien Cristau ]
+ * Bump Standards-Version to 3.8.3.
+
+ -- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 19:20:17 +0100
+
+libxmu (2:1.0.4-2) unstable; urgency=low
+
+ [ Julien Cristau ]
+ * Drop -1 debian revisions from build-deps.
+ * libxmu6[-dbg], libxmu-dev, libxmuu1[-dbg] and libxmuu-dev don't need a
+   dependency on x11-common.
+ * Build libxmu-headers in binary-indep instead of binary-arch
+ (closes: #486418). Thanks, Martin Koeppel!
+ * Run autoreconf on build; build-depend on automake, libtool, xutils-dev.
+ * Handle parallel builds.

+ [ Brice Goglin ]
+ * Add a link to www.X.org and a reference to the upstream module
+ in the long description.
+ * Add upstream URL to debian/copyright.
+ * Add README.source, bump Standards-Version to 3.8.2.
+ * Use updated xsfbs, closes: #538587.
+ * Move -dbg packages to section debug.

+ -- Julien Cristau <jcristau@debian.org> Fri, 07 Aug 2009 14:30:36 +0200
+ +libxmu (2:1.0.4-1) unstable; urgency=low
+ +
+ [ Julien Cristau ]
+ * New upstream release.
+ * Make libxmu*-dev depend on libxmu-headers (= ${source:Version}). Thanks,
  + Josh Triplett.
+ * Don't export private dependencies in xmu.pc and xmuu.pc. These
  + dependencies are handled by Requires.private.
+ * Due to the above, build-depend on quilt and apply the xsfbs patch rules.
+ * Update xsfbs to the latest version as of 2008-01-06.
+ * Add myself to Uploaders, and remove Branden and Fabio with their
  + permission.
+ * Bump Standards-Version to 3.7.3 (no changes).
+ * s/^XS-Vcs/Vcs/

+ [ Timo Aaltonen ]
+ * Bump the epoch so that this can be synced to Ubuntu in the future.

+ -- Julien Cristau <jcristau@debian.org> Thu, 17 Jan 2008 14:57:47 +0100
+ +libxmu (1:1.0.3-1) unstable; urgency=low
+ +
+ [ Andres Salomon ]
+ * Test for obj-$\$(DEB_BUILD_GNU_TYPE)$ before creating it during build;
  + idempotency fix.
libxmu (1:1.0.2-1) experimental; urgency=low

* New upstream release
* Bump debhelper compat to 5
* Run dh_install with --list-missing
* Version the -headers package's x11-common pre-dep to use version 1:7.0.0
* to match the rest of Debian and shut lintian up
* Bump standards version to 3.7.2.0

---

libxmu (1:1.0.1-3) unstable; urgency=low

* Reorder makeshlib command in rules file so that ldconfig is run properly. Thanks Drew Parsons and Steve Langasek.

---

libxmu (1:1.0.1-2) unstable; urgency=low

* Upload to unstable

---

libxmu (1:1.0.1-1) experimental; urgency=low

* First upload to Debian

---

libxmu (1:6.2.3-5) breezy; urgency=low

* Also, libxmu-dev needs to depend on libxt-dev too.

---

libxmu (1:6.2.3-4) breezy; urgency=low

* Bump libxvt-dev build-dep once more, _XOPEN_SOURCE begone!

---

++
libxmu (1:6.2.3-3) breezy; urgency=low
+ * Make libxmu-dev depend on libxext-dev, since libxmu links to it.
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 07:56:02 +0000
+ libxmu (1:6.2.3-2) breezy; urgency=low
+ * Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid
+ _XOPEN_SOURCE.
+ -- Daniel Stone <daniel.stone@ubuntu.com> Sat, 23 Jul 2005 00:20:50 +1000
+ libxmu (1:6.2.3-1) breezy; urgency=low
+ * First libxmu release.
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000

--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ dh-autoreconf,
+ libx11-dev (>= 1:0.99.2),
+ libxt-dev (>= 1:0.99.1),
+ libxext-dev (>= 1:0.99.1),
+ pkg-config,
+ quilt,
+ automake,
+ libtool,
+ xutil-dev (>= 1:7.6+2),
+# devel-docs:
+ xmlto (>= 0.0.22),
+ xorg-sgml-doctools (>= 1:1.8),
+ w3m,
+ Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
libxmu6
Section: libs
Architecture: any
Multi-Arch: same
Pre-Depends: %{misc:Pre-Depends}
Depends: %{shlibs:Depends}, %{misc:Depends}
Description: X11 miscellaneous utility library
libXmu provides a set of miscellaneous utility convenience functions for X
libraries to use. libXmumu is a lighter-weight version that does not depend
on libXt or libXext; for more information, see libxmumu1.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
git://anongit.freedesktop.org/git/xorg/lib/libxmu

libxmu6-dbg
Section: debug
Architecture: any
Multi-Arch: same
Priority: extra
Depends: %{shlibs:Depends}, %{misc:Depends}, libxmu6 (= %{binary:Version})
Description: X11 miscellaneous utility library (debug package)
libXmu provides a set of miscellaneous utility convenience functions for X
libraries to use. libXmumu is a lighter-weight version that does not depend
on libXt or libXext; for more information, see libxmumu1.

This package contains the debug versions of the library found in libxmu6.
Non-developers likely have little use for this package.

More information about X.Org can be found at:
<URL:http://www.X.org>

This module can be found at
git://anongit.freedesktop.org/git/xorg/lib/libxmu

libxmu-dev
Section: libdevel
Architecture: any
Multi-Arch: same
Depends: %{shlibs:Depends}, %{misc:Depends}, libxext-dev, libxt-dev, libxmu6 (= %{binary:Version}), libxmu-
headers (= %{source:Version})
Description: X11 miscellaneous utility library (development headers)
libXmu provides a set of miscellaneous utility convenience functions for X
libraries to use. libXmumu is a lighter-weight version that does not depend
on libXt or libXext; for more information, see libxmumu1.

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This package contains the development headers for the library found in libxmu6. Non-developers likely have little use for this package.

More information about X.Org can be found at:
+ <URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu1
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous micro-utility library
+ libXmuu provides a set of miscellaneous utility convenience functions for X libraries to use. It is a lighter version of libXmu that does not depend on libXt or libXext; for more information on libXmu, see libxmu6.

More information about X.Org can be found at:
+ <URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu1-dbg
+Section: debug
+Architecture: any
+Multi-Arch: same
+Priority: extra
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version})
+Description: X11 miscellaneous micro-utility library (debug package)
+ libXmuu provides a set of miscellaneous utility convenience functions for X libraries to use. It is a lighter version of libXmu that does not depend on libXt or libXext; for more information on libXmu, see libxmu6.

This package contains the debug versions of the library found in libxmuu1. Non-developers likely have little use for this package.

More information about X.Org can be found at:
+ <URL:http://www.X.org>

This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu

Package: libxmuu-dev
+Section: libdevel
+Architecture: any
+Multi-Arch: same
+Depends: ${shlibs:Depends}, ${misc:Depends}, libxmuu1 (= ${binary:Version}), libxmuu-headers (= ${source:Version})
+Description: X11 miscellaneous micro-utility library (development headers)
+ libXmuu provides a set of miscellaneous utility convenience functions for X libraries to use. It is a lighter version of libXmu that does not depend on libXt or libXext; for more information on libXmu, see libxmu6.
+.
+ This package contains the development headers for the library found in libxmuu1. Non-developers likely have little use for this package.
+.
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
+
+Package: libxmu-headers
+Section: libdevel
+Architecture: all
+Multi-Arch: foreign
+Depends:
+ libx11-dev,
+ x11proto-core-dev,
+ ${misc:Depends},
+Description: X11 miscellaneous utility library headers
+ libXmu and libXmuu are miscellaneous utility libraries for X library developers to abstract some common functions. This package provides the headers for both libraries (as libXmuu is a subset of libXmu), and is depended upon by both. For more information, please see libxmuu-dev or libxmuu-dev.
+.
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>
+
+ This module can be found at
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu
--- libxmu-1.1.2.orig/debian/copyright
+++ libxmu-1.1.2/debian/copyright
@@ -0,0 +1,77 @@
+This package was downloaded from
+http://xorg.freedesktop.org/releases/individual/lib/
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+
+--------
+
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--- libxmu-1.1.2.orig/debian/libxmu-dev.install
+++ libxmu-1.1.2.debian/libxmu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmu.a
+usr/lib/*/libXmu.so
+usr/lib/*/pkgconfig/xmu.pc
--- libxmu-1.1.2.orig/debian/libxmu-headers.install
+++ libxmu-1.1.2.debian/libxmu-headers.install
@@ -0,0 +1,2 @@
+usr/include/X11/*
+usr/share/doc/libxmu-headers
--- libxmu-1.1.2.orig/debian/libxmu6.install
+++ libxmu-1.1.2.debian/libxmu6.install
@@ -0,0 +1 @@
+usr/lib/*/libXmu.so.6*
--- libxmu-1.1.2.orig/debian/libxmuu-dev.install
+++ libxmu-1.1.2.debian/libxmuu-dev.install
@@ -0,0 +1,3 @@
+usr/lib/*/libXmuu.a
+usr/lib/*/libXmuu.so
+usr/lib/*/pkgconfig/xmuu.pc
--- libxmu-1.1.2.orig/debian/patches/01_dont_export_private_deps.diff
+++ libxmu-1.1.2/debian/patches/01_dont_export_private_deps.diff
@@ -0,0 +1,26 @@
+diff --git a/xmu.pc.in b/xmu.pc.in
+index a086f83..15dabbf 100644
+--- a/xmu.pc.in
++++ b/xmu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmu
+ Description: Xmu Library
+-Requires: xproto x11 xt
++Requires: xproto xt
+ Requires.private: x11 xt xext
+ Cflags: -I$[includedir]
+ Libs: -L$[libdir] -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmuu
+ Description: Mini Xmu Library
+-Requires: xproto x11
++Requires: xproto
+ Requires.private: x11
+ Cflags: -I$[includedir]
+ Libs: -L$[libdir] -lXmuu
--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
@@ -0,0 +1,34 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian libxmu package.
+## Copyright 2004 Scott James Remnant <scott@netsplit.com>
+## Copyright 2005 Daniel Stone <daniel@fooishbar.org>
+## Copyright 2005 David Nusinow <dnusinow@debian.org>
+
+## Uncomment this to turn on verbose mode.
+##export DH_VERBOSE=1
+
+.PHONY: build
+build:
+dh build --quilt,autoreconf --builddirectory=build/ --parallel
+
Open Source Used In SDWan 20.4.1 2120

1.227 restat-util 5.10.1.Final

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1.229 gzip 1.6 4ubuntu1

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1.230 python-pip 9.0.3
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1.231 python-cffi 1.11.5

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1.232 gnutls 3.4.10-4ubuntu1.5

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Constant-time SSSE3 AES core implementation.

version 0.1
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Version 2.1, February 1999

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1.240 *mergo* 0.3.6

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

1.241 cxf-rt-transports-jms 3.3.6

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1.242 python-ply 3.11 1

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1.243 glibc 2.27

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

  * javax.servlet:javax.servlet-api
  * javax.annotation:javax.annotation-api
  * javax.transaction:javax.transaction-api
  * javax.websocket:javax.websocket-api

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Oracle OpenJDK
If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.245 debian-archive-keyring 2019.1

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1.246 kafka 0.10.2.0

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* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesCbcBytesEncryptor.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesBytesEncryptor.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/keygen/KeyGenerators.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/password/Digester.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/password/NoOpPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/encrypt/CipherUtils.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-jar/org/springframework/security/crypto/encrypt/Encryptors.java
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 */

/**
 * Determines if the [@link #getAuthentication()] has permission to access the target
 * given the permission
 * @param target the target domain object to check permission on
 * @param permission the permission to check on the domain object (i.e. "read",
 * "write", etc).
 * @return true if permission is granted to the [@link #getAuthentication()], else
 * false
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-
jar/org/springframework/security/access/expression/SecurityExpressionOperations.java

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 * @author Luke Taylor
 * @since 3.0
 */

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* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/crypto/codec/Base64.java
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* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/jackson2/UnmodifiableSetMixin.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1-
This image contains a section of code, which appears to be related to the Spring Security library. The code includes a copyright notice and a description of the Apache License Version 2.0. The code snippet is discussing a method `PermissionEvaluator` from `core-4.2.2-release-sources-1.jar`. The method is described as evaluating a permission for a user, possibly in the context of a domain object.

The code snippet is as follows:

```java
/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be
 * checked. May be null in which case implementations should return false, as the null
 * condition can be checked explicitly in the expression.
 * @param permission a representation of the permission object as supplied by the
 * expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */
```

The path to the file containing this code snippet is `/opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/PermissionEvaluator.java`.

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*/opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4.2.2-release-sources-1.jar/org/springframework/security/core/ComparableVersion.java

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* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/core/authority/mapping/SimpleMappableAttributesRetriever.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/core/userdetails/memory/package-info.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/prepost/PostInvocationAuthorizationAdvice.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/core/context/package-info.java
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* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/expressions/method/MethodSecurityExpressionHandler.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/hierarchicalroles/CycleInRoleHierarchyException.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/context/DelegatingApplicationListener.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/expressions/method/ExpressionBasedPreInvocationAdvice.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/prepost/PostFilter.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/package-info.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/core/userdetails/cache/SpringCacheBasedUserCache.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/vote/RoleHierarchyVoter.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/authentication/package-info.java
* /opt/ws_local/PERMITS_SQL/1074015462_1595536380.23/0/spring-security-core-4-2-2-release-sources-1.jar/org/springframework/security/access/prepost/PostInvocationAttribute.java
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 */

/**
 * A token issued by {@link TokenService}.
 *
 * It is important that the keys assigned to tokens are sufficiently randomised and
 * secured that they can serve as identifying a unique user session. Implementations of
 * {@link TokenService} are free to use encryption or encoding strategies of their choice.
 * It is strongly recommended that keys are of sufficient length to balance safety against
 * persistence cost. In relation to persistence cost, it is strongly recommended that
 * returned keys are small enough for encoding in a cookie.
 */
1.252 neo4j-common 3.5.14

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1.257 guava 19.0

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ASN.1 library for Python

* [PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)
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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on [ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.6
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1
----------------

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1
-----------------

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
  id      INTEGER,
  room [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
```

```bash
Record ::= SEQUENCE {
  id      INTEGER,
  room [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```
componentType = NamedTypes(
    NamedType('id', Integer()),
    OptionalNamedType(
        'room', Integer().subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        ),
    ),
    DefaultedNamedType(
        'house', Integer(0).subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
        ),
    ),
)

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 'SET' is similar to Python `dict`, `SET OF` to `list`):

```
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
  id=123
  room=321
```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
>>> from pyasn1.codec.der.decoder import decode
```
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>> for field in received_record:
    print('{} is {}'.format(field, received_record[field]))
    id is 123
    room is 321
    house is 0
    >>>
    >>> record == received_record
    True
    >>> received_record.update(room=123)
    >>> substrate = encode(received_record)
    >>> hexdump(substrate)
    00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
    id=123
    room=321
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/).
compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

-----------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](http://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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ASN.1 library for Python
========================

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Abstract Syntax Notation One (`ASN.1`
<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.python.org/pypi/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1
-------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting `discussions <https://news.ycombinator.com/item?id=8871453>`_ on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_.
or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

---------------

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

-------------

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the `statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_ on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood.
and security reviewed.

Documentation
-------------

.. toctree::
   :maxdepth: 2

/pyasn1/contents

Use case
-------

.. toctree::
   :maxdepth: 2

/example-use-case

Download & Install
------------------

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/download

Changes
-------

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

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/changelog

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Getting help
-------------


Books on ASN.1
-------------

The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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* /opt/cola/permits/1094804017_1602785278.01/0/opentelemetry-api-0-6-0-sources-jar/io/opentelemetry/internal/Obfuscated.java
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  jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
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  jar/io/netty/handler/codec/http/CookieDecoder.java
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jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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* /opt/ws_local/PERMITS_SQL/1094804250_1601319488.55/0/jaeger-core-0-34-3-sources-jar/io/jaegertracing/internal/propagation/TextMapCodec.java

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* /opt/ws_local/PERMITS_SQL/1094804250_1601319488.55/0/jaeger-core-0-34-3-sources-jar/io/jaegertracing/spi/Codec.java
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1.303 ncurses 6.1+20181013 2+deb10u2

1.303.1 Available under license :

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1.304 angular-material 1.1.1

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1.305 jcodings 1.0.12

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  jar/org/jcodings/CanBeTrailTableEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
  jar/org/jcodings/transcode/specific/From_GB18030_Transcoder.java
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  jar/org/jcodings/EucEncoding.java
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  jar/org/jcodings/specific/ISO8859_3Encoding.java
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  jar/org/jcodings/specific/BaseEUCJPEncoding.java
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* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/To_UTF_16BE_Transcoder.java
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* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Cp50221_decoder_Transcoder.java
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* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/exception/JCodingsException.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/Windows_31JEncoding.java
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* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/From_UTF_16BE_Transcoder.java
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1.306 wildfly-clustering-web-infinispan

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1.307 antlr-runtime 4.5.3

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1.310 opensaml-saml-api 3.3.0
1.311 wget 1.20.1-1.1

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copyright = {
date = "1992-2017";
owner = "The University of Delaware and Network Time Foundation";
eaddr = "http://bugs.ntp.org, bugs@ntp.org";
type = ntp;
};

long-opts;
config-header = config.h;
environrc;
no-misuse-usage;
version-proc = ntpOptionPrintVersion;

version = `eval VERSION=`\`sed -e 's/\[^/\],.\[\]/ -e \'^/\]' < ../sntp/m4/version.m4`
[ -z "${VERSION}" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid
echo $VERSION`;

version-value = ""/* Don't use -v as a shortcut for --version */
/
* HMS: man pages already have this, and texi pages can use the
* values in snntp/include/version.texi .
*/
// doc-sub = {
//     sub-name = version;
//     sub-text = 's/#VERSION#/<<version>>/g';
// };    
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6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
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13. [14] Steve Clift <clift@ml.csiro.au> OMEGA clock driver
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27. [29] Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
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29. [32] Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
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35. [38] Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39] Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
37. [40] David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41] Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
39. [42] Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
40. [43] Tom Moore <tmoore@tievel.daytonoh.nrc.com> i386 svr4 port
41. [44] Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
42. [45] Derek Mulcahy <derek@toybox.demon.co.uk> and [46] Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
43. [47] Rob Neal <nNeal@ntp.org> Bancomm refclock and config/parse code maintenance
44. [48] Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
45. [49] Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50] Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
47. [51] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54] Michael Shields <shields@tembel.org> USNO clock driver
51. [55] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock
driver
52. [56] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
   makeover, various other bits (see the ChangeLog)
53. [57] Kenneth Stone <ken@sdd.hp.com> HP-UX port
54. [58] Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast
    support
55. [59] Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock
    driver
56. [60] Brian Utterback <brian.utterback@oracle.com> General codebase,
    Solaris issues
57. [61] Loganaden Velvindron <loganaden@gmail.com> Sandboxing
    (libseccomp) support
58. [62] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic
    TrueTime clock driver
59. [63] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and
    validated HTML documents according to the HTML DTD

References

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28. mailto:H.Lambermont@chello.nl
1.316 netty-codec 4.1.13.FINAL

1.317 jetty-security 9.4.17.v20190418

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications 
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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a
successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| Release        | Derived from | Year       | Owner      | GPL compatible? |
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| 0.9.0 thru 1.2 | n/a          | 1991-1995  | CWI        | yes             |
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| 1.6            | 1.5.2        | 2000       | CNRI       | no              |
| 2.0            | 1.6          | 2000       | BeOpen.com | no              |
| 1.6.1          | 1.6          | 2001       | CNRI       | no              |
| 2.1            | 2.0+1.6.1    | 2001       | PSF        | no              |
| 2.0.1          | 2.0+1.6.1    | 2001       | PSF        | yes             |
| 2.1.1          | 2.1+2.0.1    | 2001       | PSF        | yes             |
| 2.1.2          | 2.1.1        | 2002       | PSF        | yes             |
| 2.1.3          | 2.1.2        | 2002       | PSF        | yes             |
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Mersenne Twister
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The :mod:`_random` module includes code based on a download from
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the verbatim comments from the original code::

    A C-program for MT19937, with initialization improved 2002/1/26.
    Coded by Takuji Nishimura and Makoto Matsumoto.

    Before using, initialize the state by using init_genrand(seed)
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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
between ascii and binary. This results in a 1000-fold speedup. The C
version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

--------------------------

The `xmlrpc.client` module contains the following notice::

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----------

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-------------

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-------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)
strtod and dtoa
---------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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zlib

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cfuhash
-------

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization
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* /opt/ws_local/PERMITS_SQL/1012082052_1591372884.94/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZInputStream.java
* /opt/ws_local/PERMITS_SQL/1012082052_1591372884.94/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/DeflaterInputStream.java
* /opt/ws_local/PERMITS_SQL/1012082052_1591372884.94/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/DeflaterOutputStream.java
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* /opt/ws_local/PERMITS_SQL/1012082052_1591372884.94/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStreamException.java
* /opt/ws_local/PERMITS_SQL/1012082052_1591372884.94/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfTree.java
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1.327 linux-libc-headers 3.1 r0

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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/* OPENBSD ORIGINAL: sys/sys/poll.h */
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)_
#define_COMPAT_POLL_H_
#endif

typedef struct pollfd {
int fd;
short events;
short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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* @version 3.0 (December 2000)
* *
* Optimised ANSI C code for the Rijndael cipher (now AES)
* *
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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*
*/

 ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

 ifndef HAVE_WAITPID
 /* Clean out any potential issues */
 #undef WIFEXITED
 #undef WIFSTOPPED
 #undef WIFSIGNALED

 /* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

 /* Prototype */
 pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.349 nmap 7.80
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On all platforms, Nmap is normally linked with:

- libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
  http://www.tcpdump.org/

- libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
  http://code.google.com/p/libdnet/

- PCRE: Perl-compatible regular expressions. PCRE is part of Nmap’s version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.
  http://www.pcre.org/

- liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
  http://www.lua.org/

- OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to...
OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
http://www.openssl.org/

- **LIBLINEAR.** Used for IPv6 OS classification.
  http://www.csie.ntu.edu.tw/~cjlin/liblinear/

- **libsvn.** The Subversion library, used by the updater program


On Windows only, Nmap uses:

- **WinPcap:** libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
  http://www.winpcap.org/

Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/BSD-simplified.

Zenmap and Ndiff require:

- **Python.** The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
  http://www.python.org/

The Windows and Mac OS X binary packages include bundled versions of:

- **GLib, GTK+, ATK, Pango:** These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
  http://www.gtk.org/

- **Cairo:** graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.
  http://www.cairographics.org/

- **libgailutil:** Accessibility support for GTK+.

- **libpng, jpeg, LibTIFF:** Image file format libraries used by GTK+.

- **zlib and bzip2:** compression libraries.

- **Expat:** XML parser library.
  http://expat.sourceforge.net/

- **fontconfig:** font configuration library.
  http://www.fontconfig.org/

- **FreeType:** font rendering library.
  http://www.freetype.org/

- **libiconv.** Under the GNU LGPL 2.
  http://www.gnu.org/software/libiconv/

- **libintl:** gettext translation facilities. Under the GNU LGPL 2 and 2.1.
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- **libxml2:** XML parsing library.
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o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1.

The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
   http://www.x.org/ http://www.macports.org/

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Written by: Philip Hazel
Email local part: ph10
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----------------------------

Written by:       Philip Hazel
Email local part: ph10
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an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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---

Open Source Used In SDWan 20.4.1  3210
'Certifi`_ is a carefully curated collection of Root Certificates for validating the trustworthiness of SSL certificates while verifying the identity of TLS hosts. It has been extracted from the `Requests`_ project.

Installation
-------------
``certifi`` is available on PyPI. Simply install it with ```pip```::

$ pip install certifi

Usage
-----
To reference the installed certificate authority (CA) bundle, you can use the built-in function::

```python
>>> import certifi

>>> certifi.where()
'/usr/local/lib/python2.7/site-packages/certifi/cacert.pem'
```

Enjoy!

1024-bit Root Certificates
~~~~~~~~~~~~~~~~~~~~~~~~~~
Browsers and certificate authorities have concluded that 1024-bit keys are unacceptably weak for certificates, particularly root certificates. For this reason, Mozilla has removed any weak (i.e. 1024-bit key) certificate from its bundle, replacing it with an equivalent strong (i.e. 2048-bit or greater key) certificate from the same CA. Because Mozilla removed these certificates from its bundle, ``certifi`` removed them as well.

In previous versions, ``certifi`` provided the ``certifi.old_where()`` function
to intentionally re-add the 1024-bit roots back into your bundle. This was not recommended in production and therefore was removed. To assist in migrating old code, the function `certifi.old_where()` continues to exist as an alias of `certifi.where()`. Please update your code to use `certifi.where()` instead. `certifi.old_where()` will be removed in 2018.


.. _`Requests`: http://docs.python-requests.org/en/latest/

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6

This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) SRC$file: certdata.txt,v $Revision: 1.80 $Date: 2011/11/03 15:11:58 $
1.364 go-memdb 1.0.3
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1.366 wildfly-appclient 19.1.0.Final

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/channel/sctp/SctpChannelConfig.java
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jar/io/netty/handler/flow/FlowControlHandler.java

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*/
/**
 * Set the [@code TCP_MD5SIG] option on the socket. See [@code linux/tcp.h] for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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 * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
 * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
 * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
 * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java
 * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/internal/tcnative/CertificateCallback.java
 * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java
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  jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/flow/package-info.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/internal/tcnative/SessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/codec/http2/Http2ResetFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/codec/http2/SmtpCommand.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/codec/http2/DefaultHttp2DataFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/channel/kqueue/KQueueSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/resolver/RoundRobinInetAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/channel/SelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/codec/http2/DefaultHttp2WindowUpdateFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/internal/tcnative/CertificateRequestedCallback.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/codec/http2/Http2PingFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/kqueue/KQueueServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2PingFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2HeadersFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2GoAwayFrame.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/http/cors/OkResponseHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http/cors/CorsConfig.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java
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 */
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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* Base64 Encoder/Decoder</a>.
* */

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/StreamByteDistributor.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/internal/MathUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/ByteProcessor.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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  * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/search/MultiSearchProcessorFactory.java
  * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/search/AbstractMultiSearchProcessorFactory.java
  * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/http2/helloworld/frame/client/Http2ClientStreamFrameResponseHandler.java
  * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/http2/helloworld/frame/client/Http2ClientFrameInitializer.java
  * /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/search/BitapSearchProcessorFactory.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Ordering.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/internal/tcnative/Library.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/internal/tcnative/SSL.java
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 */

/**
 * A decoder that splits the received{@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 * <p>
 * *<h3>2 bytes length field at offset 0, do not strip header</h3>*
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * *<pre>*<b>lengthFieldOffset</b> = <b>0</b>*
 *<b>lengthFieldLength</b> = <b>2</b>*
 *<b>lengthAdjustment</b> = 0
 *<b>initialBytesToStrip</b> = 0 (= do not strip header)*
 *</pre>*
 *
 * BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 * +-----------------+ +-----------------+ *
 * | Length | Actual Content | Length | Actual Content |
 * +-----------------+ +-----------------+ *
 * | 0x000C | "HELLO, WORLD" | 0x000C | "HELLO, WORLD" |
 * +-----------------+ +-----------------+
Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.

* BEFORE DECODE (14 bytes)       AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>

In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.

* BEFORE DECODE (14 bytes)       AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000E | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>

The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

* `<pre>`
  * `<b>lengthFieldOffset</b> = 2` (= the length of Header 1)
  * `<b>lengthFieldLength</b> = 3`
  * `lengthAdjustment = 0`
  * `initialBytesToStrip = 0`

* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
  +----------+----------+----------------+      +----------+----------+----------------+
  | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
  |  0xCAFE  | 0x00000C | "HELLO, WORLD" |      |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
  +----------+----------+----------------+      +----------+----------+----------------+
* `/pre`

* `<h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>`

* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

* `<pre>`
  * `lengthFieldOffset = 0`
  * `lengthFieldLength = 3`
  * `<b>lengthAdjustment</b> = 2` (= the length of Header 1)
  * `initialBytesToStrip = 0`

* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
  +----------+----------+----------------+      +----------+----------+----------------+
  | Length   | Header 1 | Actual Content |----->| Length   | Header 1 | Actual Content |
  | 0x00000C | 0xCAFE   | "HELLO, WORLD" |      | 0x00000C | 0xCAFE   | "HELLO, WORLD" |
  +----------+----------+----------------+      +----------+----------+----------------+
* `/pre`

* `<h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>`

* This is a combination of all the examples above. There are the prepended header before the length field and the extra header after the length field. The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended header from the frame. If you don’t want to strip the prepended header, you could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>.

* `<pre>`
  * `lengthFieldOffset = 1` (= the length of HDR1)
  * `lengthFieldLength = 2`
* **lengthAdjustment** = 1 (= the length of HDR2)
* **initialBytesToStrip** = 3 (= the length of HDR1 + LEN)

* **BEFORE DECODE** (16 bytes)  **AFTER DECODE** (13 bytes)
  
  +-----------------------------------------------+      +-----------------------------------------------+
  | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  +-----------------------------------------------+      +-----------------------------------------------+
  | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  +-----------------------------------------------+      +-----------------------------------------------+

* @see LengthFieldPrepender

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/concurrent/FastThreadLocalThread.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/DefaultChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/CleanerJava6.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifeCycleObserverFactory.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/PriorityQueue.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/ReadOnlyHttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/internal/LongAdderCounter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/example/uptime/UptimeServerHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OcspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/Ocsp/package-info.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/UncheckedBooleanSupplier.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/ObjectCleaner.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/resolver/HostsFileEntries.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/Http2StreamChannel.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OccspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/HttpServerExpectContinueHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/ssl/HttpServerExpectContinueHandler.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/util/internal/logging/MessageFormatter.java

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/redis/InlineCommandRedisMessage.java
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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2FrameTypes.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/collection/ShortObjectMap.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2Connection.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2DataWriter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/DefaultHttp2Connection.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/collection/ShortObjectHashMap.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2EventAdapter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2ServerUpgradeCodec.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/internal/ObjectUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/util/collection/CharObjectHashMap.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/package-info.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2Error.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2FrameWriter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2LocalFlowController.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2FrameAdapter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2FrameReader.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2LifecycleManager.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/HttpServerUpgradeHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2CodecUtil.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2Flags.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2FrameReader.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/collection/LongObjectMap.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionAdapter.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/handler/codec/http2/Http2FrameReader.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-jar/io/netty/util/collection/LongCollections.java

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 */
Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its \{@link ChannelPipeline\}.

Sub-types
[@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its subtypes:

- \{@link ChannelInboundHandler\} to handle inbound I/O events, and</li>
- \{@link ChannelOutboundHandler\} to handle outbound I/O operations.</li>

Alternatively, the following adapter classes are provided for your convenience:

- \{@link ChannelInboundHandlerAdapter\} to handle inbound I/O events,</li>
- \{@link ChannelOutboundHandlerAdapter\} to handle outbound I/O operations, and</li>
- \{@link ChannelDuplexHandler\} to handle both inbound and outbound events</li>

For more information, please refer to the documentation of each subtype.

The context object

A \{@link ChannelHandler\} is provided with a \{@link ChannelHandlerContext\} object. A \{@link ChannelHandler\} is supposed to interact with the \{@link ChannelPipeline\} it belongs to via a context object. Using the context object, the \{@link ChannelHandler\} can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using \{@link AttributeKey\}s) which is specific to the handler.

State management

A \{@link ChannelHandler\} often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```
public interface Message {
    // your methods here
}
```

```
public class DataServerHandler extends \{@link SimpleChannelInboundHandler\}\{\lt;Message\} { 

private boolean loggedIn;
```

*/
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its \{@link ChannelPipeline\}.
 *<h3>Sub-types</h3>
 *[@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 *subtypes:
 *<ul>
 *<li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 *<li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 *</ul>
 *<p>
 *</p>
 *Alternatively, the following adapter classes are provided for your convenience:
 *<ul>
 *<li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 *<li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 *<li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 *</ul>
 *<p>
 *</p>
 *
 *The context object
 *
 *A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext]
 *object. A [@link ChannelHandler] is supposed to interact with the
 *[@link ChannelPipeline] it belongs to via a context object. Using the
 *context object, the [@link ChannelHandler] can pass events upstream or
 *downstream, modify the pipeline dynamically, or store the information
 *(using [@link AttributeKey]s) which is specific to the handler.
 *
 *State management
 *
 *A [@link ChannelHandler] often needs to store some stateful information.
 *The simplest and recommended approach is to use member variables:
 *
 ```
 public interface Message {
    // your methods here
 }
 ```
 *
 *public class DataServerHandler extends [@link SimpleChannelInboundHandler]\{\lt;Message\} {
 *
 private boolean loggedIn;
 ```
 */
* { @code @Override }
* public void channelRead0( ChannelHandlerContext ctx, Message message) {
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) message);
*         loggedIn = true;
*     } else (message instanceof GetDataMessage) {
*         if (loggedIn) {
*             ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*         } else {
*             fail();
*         }
*     }
* } ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends { @link ChannelInitializer}{ @link Channel} { 
*     { @code @Override } 
*     public void initChannel( { @link Channel} channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* </pre>
* <h4>Using { @link AttributeKey}s</h4>
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use { @link AttributeKey}s which is provided by
* { @link ChannelHandlerContext}:
* <pre>
* public interface Message { 
*     // your methods here
* }
* }
* { @code @Sharable }
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}{ @link Message} { 
*     private final { @link AttributeKey}{ @link Boolean} auth =
*         { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth"));
*     }
* }
* </pre>
* { @code @Override}
* public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
*     { @link Attribute}&lt;{ @link Boolean}&gt; attr = ctx.attr(auth);
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) o);
*         attr.set(true);
*     } else (message instanceof GetDataMessage) {
*         if (Boolean.TRUE.equals(attr.get())) {
*             ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*         } else {
*             fail();
*         }
*     }
* }
* ...
* }
* </pre>
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;{ @link Channel}&gt; {
*     private static final DataServerHandler SHARED = new DataServerHandler();
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", SHARED);
*     }
* }
* </pre>
* 
* 
* <h4>The { @code @Sharable} annotation</h4>
* In the example above which used an { @link AttributeKey},
* you might have noticed the { @code @Sharable} annotation.
* If a { @link ChannelHandler} is annotated with the { @code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline}s multiple times without
* a race condition.
* 
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* 
* This annotation is provided for documentation purpose, just like
* a href="http://www.javaconcurrencyinpractice.com/annotations/doc/"the JCIP annotations\a>.
Please refer to the `ChannelHandler`, and `ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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*/

/**
* Set the `TCP_MD5SIG` option on the socket. See `linux/tcp.h` for more details.
* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
*/

/**
* Set the `TCP_QUICKACK` option on the socket. See `<a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>`
* for more details.
*/

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* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/util/DomainWildcardMappingBuilder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/example/stomp/websocket/StompVersion.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/buffer/search/package-info.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/example/haproxy/HAProxyHandler.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/example/haproxy/HAProxyClient.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/example/haproxy/HAProxyServer.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/example/haproxy/HAProxyMessageEncoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
  jar/io/netty/handler/logging/ByteBufFormat.java

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jar/io/netty/handler/codec/http2/Http2EmptyDataFrameConnectionDecoder.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2SettingsReceivedConsumer.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
jar/io/netty/handler/codec/http2/Http2EmptyDataFrameListener.java
* /opt/ws_local/PERMITS_SQL/1073709946_1598983444.54/0/netty-all-4-1-49-final-sources-
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 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * <p>
 * The encoding and decoding algorithm in this class has been derived from
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1.373 resolvconf 1.78ubuntu7

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**1.11.4.Final**

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1.379 cxf-rt-transports-http-hc 3.3.6

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1.380 dagger-compiler 2.7

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1.382 agroal-narayana 1.3

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1.385 rxjava 2.2.5

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* /opt/ws_local/PERMITS_SQL/1094806929_1601321787.67/0/rxjava-2-2-5-sources-jar/io/reactivex/internal/subscriptions/ScalarSubscription.java
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1.397 build-helper-maven-plugin 1.12

1.398 jsf-impl 2.3.9.sp01

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1.420 jboss-annotations-api-1-3-spec
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Description: Don’t warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid
Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@ transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) 
 transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) 
     && !defined _DEFAULT_SOURCE
+/* Don’t #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
and we don't have time to check/fix everything before vivid release

# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/

# undef  _DEFAULT_SOURCE
# define _DEFAULT_SOURCE 1
#endif

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1.438 microprofile-health-api 2.2

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* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/resources/ResourceConstants.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/LongSumObserverSdk.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/export/MetricProducer.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/export/package-info.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/MeterProviderSharedState.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/aggregator/AbstractAggregator.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/export/package-info.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/Batcher.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/view/Aggregation.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/AbstractAsynchronousInstrument.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/view/Aggregations.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/AbstractSynchronousInstrument.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/common/InstrumentType.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/LongValueObserverSdk.java
* /opt/ws_local/PERMITS_SQL/1094802685_1601320049.72/opentelemetry-sdk-0.6.0-sources-jar/io/opentelemetry/sdk/metrics/Batchers.java
1.441 openssh 7.6p1

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/* OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp */

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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#ifndef COMPAT_POLL_H_
#define COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    shortrevents;
} pollfd_t;

 ifndef COMPAT_POLL_H_
typedef unsigned int nfds_t;
#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
    /* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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    [Tatu continues]
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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.442 libcap 2.24 12
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It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.
Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>).

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May 22, 2015

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BUILD: 2016-02-13 19:37:50+01:00
GIT: 6e63b53

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Janino - An embedded Java[TM] compiler

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You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In `schema.xml`, it's very simple to make copies of fields:

```xml
<copyField source="cat" dest="text" maxChars="30000" />
```

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before analysis is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field:

```xml
<copyField source="*_t" dest="text" maxChars="25000" />
```

[IMPORTANT]
The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., you cannot copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:

[source,xml]
```xml
<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>
```

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and the rest of the Xiph.org Foundation.

Java port by Ben Cohee <bpcohee@gmail.com>

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 */

package org.apache.solr.security;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.LinkedHashMap;
import java.util.List;
import java.util.Map;
import java.util.Set;
import java.util.function.Function;
import java.util.regex.Pattern;
import java.util.stream.Collectors;
import com.google.common.collect.ImmutableSet;
import org.apache.solr.common.SolrException;
import org.apache.solr.common.util.Utils;
import static java.util.Collections.singleton;
import static java.util.Collections.singletonList;
import static org.apache.solr.common.params.CommonParams.NAME;

class Permission {
    String name;
    Set<String> path, role, collections, method;
Map<String, Function<String[], Boolean>> params;
PermissionNameProvider.Name wellknownName;
Map originalConfig;

private Permission() {
}

static Permission load(Map m) {
    Permission p = new Permission();
    p.originalConfig = new LinkedHashMap<>(m);
    String name = (String) m.get(NAME);
    if (!m.containsKey("role")) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, "role not specified");
    p.role = readValueAsSet(m, "role");
    if (PermissionNameProvider.Name.get(name)!= null) {
        p.wellknownName = PermissionNameProvider.Name.get(name);
        HashSet<String> disAllowed = new HashSet<>(knownKeys);
        disAllowed.remove("role"); //these are the only
        disAllowed.remove(NAME); //allowed keys for well-known permissions
        disAllowed.remove("collection"); //allowed keys for well-known permissions
        disAllowed.remove("index");
        for (String s : disAllowed) {
            if (m.containsKey(s))
                throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, s + " is not a valid key for the
            permission : " + name);
        }
    }
    p.name = name;
    p.path = readSetSmart(name, m, "path");
    p.collections = readSetSmart(name, m, "collection");
    p.method = readSetSmart(name, m, "method");
    Map<String, Object> paramRules = (Map<String, Object>) m.get("params");
    if (paramRules != null) {
        p.params = new LinkedHashMap<>();
        for (Map.Entry<String, Object> e : paramRules.entrySet()) {
            if (e.getValue() == null) {
                p.params.put(e.getKey(), (String[] val) -> val == null);
            } else {
                List<String> patternStrs = e.getValue() instanceof List ?
                    (List) e.getValue() : singletonList(e.getValue().toString());
                List patterns = patternStrs.stream()
                    .map(it -> it.startsWith("REGEX:"))
                    .collect(Collectors.toList());
                p.params.put(e.getKey(), val -> {
                    return patterns.stream()
                        .anyMatch(it -> it.compile(String.valueOf(it.substring("REGEX:".length())))
                        .matches(String.valueOf(val)));
                });
            }
        }
    }
    return p;
}
if (val == null) return false;
for (Object pattern : patterns) {
    for (String s : val) {
        if (pattern instanceof String) {
            if (pattern.equals(s)) return true;
        } else if (pattern instanceof Pattern) {
            if (((Pattern) pattern).matcher(s).find()) return true;
        }
    }
}
return false;

/**
 * This checks for the defaults available other rules for the keys
 */
private static Set<String> readSetSmart(String permissionName, Map m, String key) {
    if (PermissionNameProvider.values.containsKey(permissionName) && !m.containsKey(key) &&
        "collection".equals(key)) {
        return PermissionNameProvider.Name.get(permissionName).collName;
    }
    Set<String> set = readValueAsSet(m, key);
    if ("method".equals(key)) {
        if (set != null) {
            for (String s : set) if (!HTTP_METHODS.contains(s)) return null;
        }
        return set;
    }
    return set == null ? singleton(null) : set;
}
/**
 * read a key value as a set. if the value is a single string ,
 * return a singleton set
 *
 * @param m the map from which to lookup
 * @param key the key with which to do lookup
 */
static Set<String> readValueAsSet(Map m, String key) {
    Set<String> result = new HashSet<>();
    Object val = m.get(key);
    if (val == null) {
        if ("collection".equals(key)) {
            //for collection collection: null means a core admin/ collection admin request
        }
    }
    return result;
}
// otherwise it means a request where collection name is ignored
return m.containsKey(key) ? singleton(null) : singleton("*");
}
return null;
}
if (val instanceof Collection) {
    Collection list = (Collection) val;
    for (Object o : list) result.add(String.valueOf(o));
} else if (val instanceof String) {
    result.add((String) val);
} else {
    throw new RuntimeException("Bad value for : " + key);
}
return result.isEmpty() ? null : Collections.unmodifiableSet(result);
}

@Override
public String toString() {
    return Utils.toJSONString(originalConfig);
}

static final Set<String> knownKeys = ImmutableSet.of("collection", "role", "params", "path", "method", NAME,"index");
public static final Set<String> HTTP_METHODS = ImmutableSet.of("GET", "POST", "DELETE", "PUT", "HEAD");

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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

http://wiki.apache.org/solr/CommitterInfo
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# Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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XZ for Java 1.0 (2011-10-22)

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1.460 jdom 2.0.6

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1.462 wildfly-elytron-sasl-gs2 1.11.4.Final

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1.465 urllib3 1.22

1.466 sysklogd 1.5.1 r0

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux

-------------------
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dffe51a88a045db233418dd73fbe bsd.img

---layout----------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
<removed>2 4096 20479 16384 8M a5 FreeBSD

-------------------
Create default BSD
2e1ceee529cb59c9341afe0443f196a1 bsd.img

---layout----------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
c 4096 20479  16384    8M unused   0  0  0
d  0 16064  16065   7.9M unused   0  0  0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help): 
-------------------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a 4096 6144  2049   1M 4.2BSD   0  0  0
c 4096 20479  16384   8M unused   0  0  0
d  0 16064  16065   7.9M unused   0  0  0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help): 
-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>unused</td>
<td>5 4.1BSD</td>
</tr>
<tr>
<td>1</td>
<td>swap</td>
<td>6 Eighth Edition</td>
</tr>
<tr>
<td>2</td>
<td>Version 6</td>
<td>7 4.2BSD</td>
</tr>
<tr>
<td>3</td>
<td>Version 7</td>
<td>8 MS-DOS</td>
</tr>
<tr>
<td>4</td>
<td>System V</td>
<td>9 4.4LFS</td>
</tr>
<tr>
<td>9</td>
<td>d boot</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>e ADOS</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>f HFS</td>
<td></td>
</tr>
</tbody>
</table>

Command (m for help):
/
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1.478 xml-resolver 1.2

1.479 tiger-types 1.4

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1.480 netty-buffer 4.1.13

1.481 lucene-analyzers-common 7.7.0

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1.487 netty-common 4.1.13.FINAL

1.488 json4s-jackson 3.2.11

1.489 adduser 3.113+nmu3ubuntu4

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1.493 jboss-transaction-spi 7.6.0.Final

1.494 artemis-stomp-protocol 2.10.1
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.539 open-ws 1.5.4

1.540 javaewah 1.1.6

1.541 jetty-io 9.4.17.v20190418

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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* Source:
  https://mvnrepository.com/artifact/org.apache.maven/maven-settings/3.5.2

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* Project: https://codehaus-plexus.github.io/plexus-archiver/
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testing (6.14.2)

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* License: Pending
* Project: https://maven.apache.org/wagon/
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<one line to give the program's name and a brief idea of what it does.>
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Version 2, June 1991

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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1.546 lua 5.3.3

1.547 curator-framework 2.11.1

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1.554 jackson-module-jaxb-annotations 2.10.1

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1.555 shadow-securetty 4.2.1 r3

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.569 orientdb-graphdb 2.2.31

1.570 angular-messages 1.5.8
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1.572 istack-commons-tools 3.0.10

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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===============

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1.581 linux-atm 2.5.1-1.5

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Linus Torvalds

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1.589 argparse 0.7.0

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Version 2.1, February 1999

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Open Source Used In SDWan 20.4.1 5072
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
1.593 python-defaults 3.5.1 3

1.593.1 Available under license:

This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE

==========================================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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* Optimize Java serialization of strings so that UTF-8 encoding happens only
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1.599 cxf-tools-java2ws 3.3.6

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1.600 wildfly-core-security 11.1.1.Final

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1.602 compress 1.4.1

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---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>.'
buildRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
  #!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION
Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) { skip_all( "Not all files are available during cross-compilation" ); }

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: ".

The copyright message is the first paragraph:
local $/ = ";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /.*\b\d\{4,\}/s
  or die "Year not found in README copyright message '$copyright_msg';

$year;
}
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b\d\{4,\}/i
  or die "Copyright statement not found in perl -v output '$output';

$year;
}

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* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/logging/ByteBufFormat.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/address/ResolveAddressHandler.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/address/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/address/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java

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  jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /opt/ws_local/PERMITS_SQL/1068412657_1594399037.59/0/netty-handler-4-1-48-final-sources-1-
  jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
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  jar/io/netty/handler/ssl/package-info.java
1.622 smallrye-config 1.6.2

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1.624 slf4j-log4j-12-binding 1.7.5

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package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {


public static final String ACTION_ALL = "all";
public static final String ACTION_CREATE = "create";
public static final String ACTION_DESTROY = "destroy";
public static final String ACTION_MODIFY = "modify";
public static final String ACTION_READ = "read";
public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";
public static final String ACTION_AGGREGATE = "aggregate";
public static final String ACTION_PROJECTION = "projection";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
}
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});
private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;

    public CachePermission(String name, String serviceName) {
        super(InstancePermission.class, name, ServiceNamePermission.HELPER_PERMISSION_NAME, serviceName);
    }

    public CachePermission(String name, String serviceName, String... actions) {
        super(InstancePermission.class, name, ServiceNamePermission.HELPER_PERMISSION_NAME, serviceName, actions);
    }

    public static final class Builder {
        public Builder() {
            this(null);
        }

        public Builder(String name, String serviceName) {
            super(InstancePermission.class, name, ServiceNamePermission.HELPER_PERMISSION_NAME, serviceName);
        }

        public Builder(String name, String serviceName, String... actions) {
            super(InstancePermission.class, name, ServiceNamePermission.HELPER_PERMISSION_NAME, serviceName, actions);
        }

        public CachePermission build() {
            return new CachePermission(this);
        }
    }
}
private static final int REMOVE = 8;
private static final int READ = 16;
private static final int LISTEN = 32;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

public CachePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */

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*/
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

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@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                              || (permission instanceof ClusterPermission);
        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        }
    }
}


```java
@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
```
package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;
}

_PACKAGE_
package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }

        return mask;
    }

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     */
package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }

        return mask;
    }
}
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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }
}
@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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*/

//**
* Contains all the security permissions
*/
package com.hazelcast.security.permission;

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package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }

        return mask;
    }
}

*/

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package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }
}
public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();  
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }
}

public class PermissionCollection {
    
    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return 111;
    }
}

public class AllPermissions {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();

    public AllPermissions() {
    }

    public AllPermissions(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }
}

public class Permission {
    private String name;

    public Permission(String name) {
        this.name = name;
    }

    public boolean isSameAs(Permission other) {
        return name.equals(other.name);
    }

    public String toString() {
        return name;
    }
}

public class PermissionCollection {
    private List<Permission> permissions = new ArrayList<>();

    public PermissionCollection() {
    }

    public PermissionCollection(PermissionCollection other) {
        this.permissions.addAll(other.permissions);
    }

    public boolean add(Permission permission) {
        return permissions.add(permission);
    }

    public boolean addAll(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (add(p)) {
                return true;
            }
        }
        return false;
    }

    public boolean remove(Permission permission) {
        return permissions.remove(permission);
    }

    public boolean removeAll(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (remove(p)) {
                return true;
            }
        }
        return false;
    }

    public int size() {
        return permissions.size();
    }

    public boolean isEmpty() {
        return permissions.isEmpty();
    }

    public PermissionCollection clone() {
        return new PermissionCollection();
    }

    public boolean containsAll(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (!contains(p)) {
                return false;
            }
        }
        return true;
    }

    public boolean contains(Permission permission) {
        return permissions.contains(permission);
    }

    public boolean intersects(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (contains(p)) {
                return true;
            }
        }
        return false;
    }

    public boolean equals(Object obj) {
        if (obj instanceof PermissionCollection) {
            PermissionCollection other = (PermissionCollection) obj;
            return containsAll(other) && other.containsAll(this);
        }
        return false;
    }

    public int hashCode() {
        int result = 1;
        for (Permission p : permissions) {
            result = 31 * result + p.hashCode();
        }
        return result;
    }

    public String toString() {
        return "\"\";
    }
}

public interface PermissionCollection {
    public boolean add(Permission permission);
    public boolean addAll(PermissionCollection other);
    public boolean remove(Permission permission);
    public boolean removeAll(PermissionCollection other);
    public int size();
    public boolean isEmpty();
    public PermissionCollection clone();
    public boolean containsAll(PermissionCollection other);
    public boolean contains(Permission permission);
    public boolean intersects(PermissionCollection other);
    public boolean equals(Object obj);
    public int hashCode();
    public String toString();
}

public interface Permission {
    public String getName();
    public boolean isSameAs(Permission other);
    public String toString();
}

public class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();  
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }
}

public class PermissionCollection {
    private List<Permission> permissions = new ArrayList<>();

    public PermissionCollection() {
    }

    public PermissionCollection(PermissionCollection other) {
        this.permissions.addAll(other.permissions);
    }

    public boolean add(Permission permission) {
        return permissions.add(permission);
    }

    public boolean addAll(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (add(p)) {
                return true;
            }
        }
        return false;
    }

    public boolean remove(Permission permission) {
        return permissions.remove(permission);
    }

    public boolean removeAll(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (remove(p)) {
                return true;
            }
        }
        return false;
    }

    public int size() {
        return permissions.size();
    }

    public boolean isEmpty() {
        return permissions.isEmpty();
    }

    public PermissionCollection clone() {
        return new PermissionCollection();
    }

    public boolean containsAll(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (!contains(p)) {
                return false;
            }
        }
        return true;
    }

    public boolean contains(Permission permission) {
        return permissions.contains(permission);
    }

    public boolean intersects(PermissionCollection other) {
        for (Permission p : other.permissions) {
            if (contains(p)) {
                return true;
            }
        }
        return false;
    }

    public boolean equals(Object obj) {
        if (obj instanceof PermissionCollection) {
            PermissionCollection other = (PermissionCollection) obj;
            return containsAll(other) && other.containsAll(this);
        }
        return false;
    }

    public int hashCode() {
        int result = 1;
        for (Permission p : permissions) {
            result = 31 * result + p.hashCode();
        }
        return result;
    }

    public String toString() {
        return "\"\";
    }
}

public interface PermissionCollection {
    public boolean add(Permission permission);
    public boolean addAll(PermissionCollection other);
    public boolean remove(Permission permission);
    public boolean removeAll(PermissionCollection other);
    public int size();
    public boolean isEmpty();
    public PermissionCollection clone();
    public boolean containsAll(PermissionCollection other);
    public boolean contains(Permission permission);
    public boolean intersects(PermissionCollection other);
    public boolean equals(Object obj);
    public int hashCode();
    public String toString();
}

public interface Permission {
    public String getName();
    public boolean isSameAs(Permission other);
    public String toString();
}
boolean more = all;

@Override
public boolean hasMoreElements() {
    return more;
}

@Override
public Permission nextElement() {
    more = false;
    return ALL_PERMISSIONS;
}
};

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}
package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }

        return mask;
    }
}
mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}

return mask;

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 */

class SemaphorePermission extends InstancePermission {
    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {
    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
    mask |= ACQUIRE;
} else if (ActionConstants.ACTION_RELEASE.equals(action)) {
    mask |= RELEASE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        return mask;
    }
}

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 */
for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }

    return mask;
}

过渡代码，未完成。
super(name);
}

@Override
public PermissionCollection newPermissionCollection() {
    return new ClusterPermissionCollection(getClass());
}

@Override
public int hashCode() {
    if (hashcode == 0) {
        final int prime = 31;
        int result = 1;
        if (getName() == null) {
            result = prime * result + 13;
        } else {
            result = prime * result + getName().hashCode();
        }
        hashcode = result;
    }
    return hashcode;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}
}*/

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 */
package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {
    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }

        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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*/

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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*/
package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

/**<p>
 * To be able to map-reduce from a client in a secure environment
 */

public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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     */
package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}

1.635 apache-log4j 2.7
1.635.1 Available under license:

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1.636 neo4j-graph-algo 3.5.14

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1.637 jboss-batch-api-1-0-spec 2.0.0.Final

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application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.649 compiler 0.9.3

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1.651 cryptacular 1.2.4

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1.652 jax-rs-provider 1.9.13

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```

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1.656 systemd 241-7~deb10u4

1.656.1 Available under license:

This is Debian's prepackaged version of patch, Larry Wall's program that allows you to apply diffs to a file automagically.

The current maintainer for this package is Laszlo Boszormenyi (GCS) <gcs@debian.org>.

Previous maintainers were Bill Mitchell <mitchell@mdd.comm.mot.com>, Darren Stalder <torin@daft.com>, Adrian Bunk <bunk@fs.tum.de>, Michael Fedrowitz <michaelf@debian.org> and Christoph Berg <myon@debian.org>.


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1.657 opensaml-security-impl 3.3.1

1.658 jakarta-enterprise-cdi-api 2.0.2
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Open Source Used In SDWan 20.4.1  5747
if(paramDetails) return errors

let maximum = paramDetails.get("maximum")
let minimum = paramDetails.get("minimum")
let type = paramDetails.get("type")
let format = paramDetails.get("format")
let maxLength = paramDetails.get("maxLength")
let minLength = paramDetails.get("minLength")
let pattern = paramDetails.get("pattern")

if (type && (required || value)) {
  let stringCheck = type === "string" && value
  let arrayCheck = type === "array" && Array.isArray(value) && value.length
  let listCheck = type === "array" && typeof value === "list" && value.count()
  let fileCheck = type === "file" && value instanceof win.File
  let booleanCheck = type === "boolean" && (value || value === false)
  let numberCheck = type === "number" && (value || value === 0)
  let integerCheck = type === "integer" && (value || value === 0)
  let oas3ObjectCheck = false

  if(false || isOAS3 && type === "object") {
    if(typeof value === "object") {
      oas3ObjectCheck = true
    } else if(typeof value === "string") {
      try {
        JSON.parse(value)
        oas3ObjectCheck = true
      } catch(e) {
        errors.push("Parameter string value must be valid JSON")
        return errors
      }
    }
  }

  const allChecks = [stringCheck, arrayCheck, listCheck, fileCheck, booleanCheck, numberCheck, integerCheck, oas3ObjectCheck]
  const passedAnyCheck = allChecks.some(v => !!v)

  if (required && !passedAnyCheck && !bypassRequiredCheck) {
    errors.push("Required field is not provided")
    return errors
  }

  if (pattern) {
    let err = validatePattern(value, pattern)
    if (err) errors.push(err)
  }

  if (maxLength || maxLength === 0) {
    let err = validateMaxLength(value, maxLength)
    if (err) errors.push(err)
  }

  if (minLength) {
    let err = validateMinLength(value, minLength)
    if (err) errors.push(err)
  }

  if (maximum || maximum === 0) {
    let err = validateMaximum(value, maximum)
    if (err) errors.push(err)
  }

  if (minimum || minimum === 0) {
    let err = validateMinimum(value, minimum)
    if (err) errors.push(err)
  }

  if (type === "string") {
    let err
    if (format === "date-time") {
      err = validateDateTime(value)
    } else if (format === "uuid") {
      err = validateGuid(value)
    } else if (err) errors.push(err)
  } else if (type === "boolean") {
    let err = validateBoolean(value)
    if (!err) return errors
    errors.push(err)
  } else if (type === "number") {
    let err = validateNumber(value)
    if (!err) return errors
    errors.push(err)
  } else if (type === "integer") {
    let err = validateInteger(value)
    if (!err) return errors
    errors.push(err)
  } else if (type === "array") {
    let itemType
    if ( !listCheck || !value.count() ) { return errors }
    itemType = paramDetails.getIn(["items", "type"])
    value.forEach((item, index) => {
      let err
      if (itemType === "number") {
        err = validateNumber(item)
      } else if (itemType === "integer") {
        err = validateInteger(item)
      } else if (itemType === "string") {
        err = validateString(item)
      }
      if (err) {
        errors.push({ index: index, error: err })
      }
    })
  } else if (type === "file") {
    let err = validateFile(value)
    if (!err) return errors
    errors.push(err)
  }
}

return errors
}

export const getSampleSchema = (schema, contentType="", config={}) => {
  if (/xml/.test(contentType)) {
    if (!schema.xml || !schema.xml.name) {
      schema.xml = schema.xml || {}
      if (schema.$$ref) {
        let match = schema.$$ref.match(/\S*\/(\S+)$/)
        schema.xml.name = match[1]
      } else if (schema.type || schema.items || schema.properties || schema.additionalProperties) {
        return "<?xml version="1.0" encoding="UTF-8"?>\n<!-- XML example cannot be generated; root element name is undefined -->"
      } else {
        return null
      }
    }
    return memoizedCreateXMLExample(schema, config, {}) || memoizedSampleFromSchema(schema, config, {}) || return typeof value === "object" ? JSON.stringify(res, null, 2) : res
  } else {
    return win.xml.exports
  }
}

export const parseSearch = () => {
  let map = {}
  let search = win.location.search
  if (!search)
    return {}
  if (search != "") {
    let params = search.substr(1).split("&").map(k => { return k; })
    for (let i in params) {
      if (params[i].indexOf("=") >= 0) {
        let name = decodeURIComponent(params[i].split("=")[0])
        let value = decodeURIComponent(params[i].split("=")[1])
        map[name] = value
      }
    }
  }
  return map
}

export const serializeSearch = (searchMap) => {
  return Object.keys(map).map(k => {
    return encodeURIComponent(k) + "=" + encodeURIComponent(map[k])
  })
}
encodeURIComponent(searchMap[k])\n  }).join("&")
}

export const btoa = (str) => {
  let buffer

  if (str
instanceof Buffer) {
    buffer = str
  } else {
    buffer = new Buffer(str.toString(), "utf-8")
  }

  return buffer.toString("base64")
}

export const sorters = {
  operationsSorter: {
    alpha: (a, b) =>
a.get("path").localeCompare(b.get("path")),
    method: (a, b) =>
a.get("method").localeCompare(b.get("method"))
},
  tagsSorter: {
    alpha: (a, b) => a.localeCompare(b)
  }
}

export const buildFormData = (data) => {
  let formArr = []

  for (let name in data) {
    let val =
data
  }

  return formArr.join("&")
}

// Is this really required as a helper? Perhaps. TODO: expose the system of presets.apis in docs, so we know what is supported
export const shallowEqualKeys = (a,b, keys) => {
  return !!find(keys, (key) => eq(a[key],
b[key]))
}

export function sanitizeUrl(url) {
  if(typeof url !== "string" || url === "") {
    return ""
  }

  return braintreeSanitizeUrl(url)
}

export function getAcceptControllingResponse(responses) {
  if(!Im.OrderedMap.isOrderedMap(responses)) {
    // wrong type!
    return null
  }

  if(!responses.size) {
    // responses is empty
    return null
  }

  const suitable2xxResponse = responses.find((res, k) => {
    return k.startsWith("2") && Object.keys(res.get("content") || {}).length > 0
  })

  // try to find a suitable `default`
  const defaultResponse = responses.get("default") || null

  return suitable2xxResponse || defaultResponse
}

export const createDeepLinkPath = (str) => typeof str == "string" || str instanceof String ? str.trim().replace(/\s/g, "%20") : ""
export const escapeDeepLinkPath = (str) => cssEscape(createDeepLinkPath(str).replace(/%20/g, "_") )

export const getExtensions = (defObj) => defObj.filter((v, k) => /^x-/.test(k))
export const getCommonExtensions = (defObj) => defObj.filter(/^pattern|maxLength|minLength|maximum|minimum/.test(k))

// Deeply strips a specific key from an object.
//
// `predicate` can be used to discriminate the stripping further,\n// by preserving the key's place in the
// object based on its value.\nexport const deeplyStripKey = (input, keyToStrip, predicate = () => true) => {
  if(typeof input !== "object" || Array.isArray(input) || input === null || !keyToStrip) {
    return input
  }

  const obj =
Object.assign({}, input)

  Object.keys(obj).forEach(k => {
    if(k === keyToStrip && predicate(obj[k], k)) {
      delete obj[k]
    }
    obj[k] = deeplyStripKey(obj[k], keyToStrip, predicate)
  })

  return
}

export function stringify(thing) {
  if (typeof thing === "string") {
    return thing
  }

  if (thing
  || thing.toJS) {
    thing = thing
  } else {
    throw new Error("thing must be a valid object")
  }

  try {
    return JSON.stringify(thing, null, 2)
  } catch (e) {
    return String(thing)
  }
}

export function paramToIdentifier(param, { returnAll = false, allowHashes = true } = {}) {
  if(!Im.Map.isMap(param)) {
    throw new Error("paramToIdentifier: received a non-Im.Map parameter as input")
  }

  const paramName =
param.get("name")

  const contParam =
param.get("cont")

  let generatedIdentifiers = []

  // Generate
  // identifiers in order of most to least specificity
  if (param && param.hashCode) {
    generatedIdentifiers.push("$[paramName].hash$[paramHashCode]")
  }

  generatedIdentifiers.push("$[paramName]")

  // Return the most preferred identifier, or all if requested
  return returnAll ? generatedIdentifiers : [generatedIdentifiers]

  // and return the first value found
  const values =
allIdentifiers.map(id => {
  return paramValues[id]
}).filter(value => value !== undefined)

  return values[0]
}

export function WEBPACK_ROOT_PATH() {
  return __dirname + "/" + require("react-immutable-proptypes").module.id + 9
}

export const module = require("react-immutable-proptypes");
var isObject = require('./_is-object');
module.exports = function (it) {
  if (!isObject(it)) throw TypeError(it + ' is not an object!');
  return it;
};

module.exports = !require('./_fails')(function () {
  return Object.defineProperty({}, 'a', { get: function () { return 7; } }).a != 7;
});

function isObjectLike(value) {
  return value != null && typeof value == 'object';
}

module.exports = isObjectLike;

var dP = require('./_object-dp');
var createDesc = require('./_property-desc');
module.exports = require('./_descriptors') ? function (object, key, value) {
  return dP.f(object, key, createDesc(1, value));
} : function (object, key, value) {
  object[key] = value;
  return object;
};

function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }
%StringIteratorPrototype%.next()
}, function () {
  var O = this._t;
  var index = this._i;
  var point;
  if (index >= O.length) return { value: undefined, done: true };
  point = $at(O, index);
  this._i += point.length;
  return {
    value: point, done: false
  };
});


//////////////////
// WEBPACK FOOTER
// node_modules/core-js/library/modules/es6.string.iterator.js
// module id = 51
// module chunks = 0
var global = require('./_global');
var hide = require('./_hide');
var has = require('./_has');
var SRC = require('./_uid')('src');
var $toString = Function[TO_STRING];
var TPL = ('' + $toString).split(TO_STRING).

require('./_core').inspectSource = function (it) {
  return $toString.call(it);
};

(module.exports = function (O, key, val, safe) {
  var isFunction = typeof val == 'function';
  if (isFunction)
    has(val, SRC) || hide(val, SRC, O[key] ? '' + O[key] : TPL.join(String(key)));
  if (O === global) {
    O[key] = val;
  } else if (!safe) {
    delete O[key];
    hide(O, key, val);
  } else {
    hide(O, key, val);
  }
// add fake Function#toString for correct work wrapped methods / constructors with
// methods like LoDash isNative
})(Function.prototype, TO_STRING, function toString() {
  return typeof this == 'function' && this[Symbol] || $toString.call(this);
});


//////////////////
// WEBPACK FOOTER
// node_modules/core-js/modules/_redefine.js
// module id = 52
// module chunks = 0
module.exports = function (it) {
  return typeof it === 'object' ? it !== null : typeof it === 'function';
};


//////////////////
// WEBPACK FOOTER
// node_modules/_Symbol.js
// module id = 53
// module chunks = 0
var isSymbol = require('./isSymbol');

/** Used as references for various `Number` constants. */
var INFINITY = 1 / 0;

/**
 * Converts `value` to a string key if it's not a string or symbol.
 * @private
 * @param {*} value The value to inspect.
 * @returns {string|symbol} Returns the key.
 */
function toKey(value) {
  if (typeof value == 'string' || isSymbol(value)) {
    return value;
  }
  var result = (value + '');
  return (result == '0' && (1 / value) == -INFINITY) ? '-0' : result;
}

module.exports = toKey;


//////////////////
// WEBPACK FOOTER
// node_modules/babel-runtime/helpers/toConsumableArray.js
// module id = 57
// module chunks = 0
'use strict';

function isNothing(subject) {
  return (typeof subject === 'undefined') || (subject === null);
}


function isObject(subject) {
  return (typeof subject === 'object') && (subject !== null);
}


function toArray(sequence) {
  if (Array.isArray(sequence)) return sequence;
  else if (isNothing(sequence)) return [];

  return [ sequence ];
}


function extend(target, source) {
  var index, length, key, sourceKeys;

  if (source) {
    sourceKeys = Object.keys(source);

    for (index = 0, length = sourceKeys.length; index < length; index += 1) {
      key = sourceKeys[index];
      target[key] = source[key];
    }
  }

  return target;
}


function repeat(string, count) {
  var result = '', cycle;

  for (cycle = 0; cycle < count; cycle += 1) {
    result += string;
  }

  return result;
}
```javascript
(function (obj, keys) {
  var target = {};
  for (var i in obj) {
    if (keys.indexOf(i) >= 0) continue;
    if (!Object.prototype.hasOwnProperty.call(obj, i)) continue;
    target[i] = obj[i];
  }
  return target;
})(null, null, WEBPACK_IMPORTED_MODULE_0);
```
@private
@constructor
@param {Array} [entries] The key-value pairs to cache.

```javascript
function ListCache(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  this.clear();
  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}
```

// Add methods to `ListCache`.
ListCache.prototype.clear = listCacheClear;
ListCache.prototype['delete'] = listCacheDelete;
ListCache.prototype.get = listCacheGet;
ListCache.prototype.has = listCacheHas;
ListCache.prototype.set = listCacheSet;
ListCache.prototype.values = listCacheValues;

module.exports = ListCache;

```
```
Ops.update("operation"), op => {
  if (op) {
    if (Map.isMap(op)) {
      return op
    } else {
      return something with Immutable methods
    }
  } else {
    return op
  }
}

export const tags = createSelector
  (spec,
   json => {
    const tags = json.get("tags", List())
    return List.isList(tags) ? tags.filter(tag => Map.isMap(tag)) : List()
  })

export const tagDetails = (state, tag) => {
  let currentTags = tags(state) || List()
  return currentTags
    .map((tag) => {
      return tagDetails(state, tag, Map(map(tag))
    })
    .reduce((tagDetails, tag) => {
      return tagDetails.update(tag, Map(map(tag))
    })
}

export const operationsWithTags = createSelector
  (operationsWithRootInherited,
   tags,
   (operations, tags) => {
    return operations.reduce( (taggedMap, op) => {
      const tags = op.getIn(["operation", "tags"], List())
      if (tags.count() < 1)
        return taggedMap.update(DEFAULT_TAG, List(), (ar) => ar.push(op))
      return tags.reduce( (res, tag) => res.update(tag, List(), (ar) => ar.push(op)),
        taggedMap )
    }, tags.reduce( (taggedMap, tag) => {
      return taggedMap.set(tag, List())
    } ,
      OrderedMap()))
}

export const taggedOperations = (state) => {
  const opParams = specJsonWithResolvedSubtrees(state).getIn(["paths", ...pathMethod, "parameters"], OrderedMap())
  const currentParam = opParams.find(param => param.get("in") === paramIn && param.get("name") === paramName, OrderedMap())
  const mergedParams = currentParam.map((param) => {
    return parameterWithMetaByIdentity(state, [path, method], param)
  })
  return OrderedMap()
    .merge(opParams, mergedParams)
    .set("parameters", mergedParams)
    .withMutations((map, param) => {
      return param.set("name", Map(map(param))
    })
    .map((param) => {
      return getParameter(state, [path, method], paramIn, paramName)
    })
  return OrderedMap()
}

export const responseFor = (state, path, method) => {
  return responses(state).getIn([path, method], null)
}

export const requestFor = (state, path, method) => {
  return requests(state).getIn([path, method], null)
}

export const mutationFor = (state, path, method) => {
  return mutatedRequests(state).getIn([path, method], null)
}

export const parameterWithMetaByIdentity = (state, pathMethod, paramName, paramIn) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const parameterInclusionSettingFor = (state, pathMethod, paramName, paramIn) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const parameterWithMeta = (state, pathMethod, paramName, paramIn) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const operationWithMeta = (state, path, method) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const responses = createSelector
  (state,
   state => state.get("responses", Map())
)

export const requests = createSelector
  (state,
   state => state.get("requests", Map())
)

export const mutatedRequests = createSelector
  (state,
   state => state.get("mutatedRequests", Map())
)

export const getResponse = (state, path, method) => {
  return responses(state).getIn([path, method], null)
}

export const getRequest = (state, path, method) => {
  return requests(state).getIn([path, method], null)
}

export const mutationRequest = (state, path, method) => {
  return mutatedRequests(state).getIn([path, method], null)
}

export const allowTryItOut = () => {
  return true
}

export const parameterWithMetaByIdentity = (state, pathMethod, paramName, paramIn) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const parameterInclusionSettingFor = (state, pathMethod, paramName, paramIn) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const parameterWithMeta = (state, pathMethod, paramName, paramIn) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const operationWithMeta = (state, path, method) => {
  const params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

// Get the parameter value by parameter name
export function getParameter(state, pathMethod, paramName, paramIn, inType) {
  pathMethod = pathMethod || []
  let params = state.getIn(["meta", "paths", ...pathMethod, "parameters", paramName, paramIn], fromJS([]))
  return params
    .map(param => {
      return parameterWithMetaByIdentity(state, pathMethod, name, inType)
    })
    .map(param => {
      return param.get("in")
    })
    .reduce((param, param) => {
      return param.set("name", param.get("name")
    })
    .reduce((param, param) => {
      return param.set("pathMethod", paramIn)
    })
}

export const
hasHost = createSelector(
  spec,
  spec => {
    const host = spec.get("host")
    return typeof host === "string" && host.length > 0 && host[0] !== "/"?
  }
)

export function parameterValues(state, pathMethod, isXml) {
  pathMethod = pathMethod || []
  let paramValues = state.getIn(["meta", pathMethod, "parameters"], fromJS([]))
  let paramValues = operationWithMeta(state, pathMethod).get("parameters", List())
  return paramValues.reduce((hash, p) => {
    return hash.set(paramToIdentifier(p, { allowHashes: false }), p.get("value"))
  }, fromJS({}))
}

export function parameterIncludeIn(parameters, inValue="") {
  if(List.isList(parameters)) {
    return parameters.some(p => Map.isMap(p) && p.get("in") === inValue)
  }
}

export function parameterIncludeType(parameters, typeValue="") {
  if(List.isList(parameters)) {
    return parameters.some(p => Map.isMap(p) && p.get("type") === typeValue)
  }
}

export function contentTypeValues(state, pathMethod) {
  pathMethod = pathMethod || []
  const op = specJsonWithResolvedSubtrees(state).getIn(["paths", ...pathMethod], fromJS({}))
  const meta = state.getIn(["meta", "paths", ...pathMethod], fromJS({}))
  const producesValue = currentProducesFor(state, pathMethod)
  const produces = op.get("produces") || new List()
  const requestContentType = (meta.get("consumes_value") ? meta.get("consumes_value") : producesValue) || produces.some(p => p.get("in") === "body" ? p.get("value_xml") : p.get("value"))
}

export function currentProducesFor(state, pathMethod) {
  pathMethod = pathMethod || []
  const operation = specJsonWithResolvedSubtrees(state).getIn(["paths", ...pathMethod], null)
  const globalProduces = spec.getIn(["produces"], null)
  return operation || pathMethod || globalProduces || "application/json"
}

export function producesOptionsFor(state, pathMethod) {
  pathMethod = pathMethod || []
  const spec = specJsonWithResolvedSubtrees(state)
  const operation = spec.getIn(["paths", ...pathMethod], null)
  const globalProduces = spec.getIn(["produces"], null)
  return operation || pathMethod || globalProduces || "application/json"
}

export function consumesOptionsFor(state, pathMethod) {
  pathMethod = pathMethod || []
  const spec = specJsonWithResolvedSubtrees(state)
  const operation = spec.getIn(["paths", ...pathMethod], null)
  const globalConsumes = spec.getIn(["consumes"], null)
  return operation || pathMethod || globalConsumes || "application/json"
}

export const operationScheme = (state, path, method) => {
  let url = state.get("url")
  let matchResult = url.match(/^([a-z]\[a-z0-9-+\-\.]\*):/)
  let urlScheme = Array.isArray(matchResult) ? matchResult[1] : "/";
}

export function canExecuteScheme(state, pathMethod) {
  return ["http", "https"].indexOf(operationScheme(state, path, method)) > -1
}

export function validateBeforeExecute(state, pathMethod) {
  pathMethod = pathMethod || []
  const paramValues = state.getIn(["meta", "paths", ...pathMethod, "parameters"], fromJS([]))
  let isValid = true
  paramValues.forEach(p => {
    let errors = p.get("errors")
    if (errors && errors.count()) {
      isValid = false
    }
  })
  return isValid
}

function returnSelfOrNewMap(obj) {
  return Map.isMap(obj) ? obj : new Map()
}
includes

// JavaScript-specific types: !!js/undefined, !!js/regexp and !!js/function.

// Also this schema is used as default base schema at `Schema.create` function.

var Schema = require('../schema');

module.exports = Schema.DEFAULT = new Schema({
  include: require('./default_safe'),
  explicit: [require('../type/js/undefined'), require('../type/js/regexp'), require('../type/js/function')]
});
promise-capability.js

module.exports = function (that, searchString, NAME) {
  if (isRegExp(searchString)) throw TypeError('String# ' + NAME + ' doesn’t accept regex!');
  return String(defined(that));
};
Create a stack cache object to store key-value pairs.

```javascript
stackGet = require('./_stackGet'),
    stackHas = require('./_stackHas'),
    stackSet = require('./_stackSet');

/**
* Creates a stack cache object to store key-value pairs.
* @private
* @constructor
* @param {Array}
[entries] The key-value pairs to cache.
*/
function Stack(entries) {
  var data = this.__data__ = new ListCache(entries);
  this.size = data.size;
}

// Add methods to 'Stack.prototype'.
Stack.prototype.clear = stackClear;
Stack.prototype['delete'] = stackDelete;
Stack.prototype.get = stackGet;
Stack.prototype.has = stackHas;
Stack.prototype.set = stackSet;

module.exports = Stack;
```

```javascript
/**
 * Appends the elements of `values` to `array`.
* @private
* @param {Array} array The array to modify.
* @param {Array} values The values to append.
* @returns {Array} Returns `array`.
*/
function arrayPush(array, values){
  var index = -1,
      length = values.length,
      offset = array.length;

  while (++index < length) {
    array[offset + index] = values[index];
  }
  return array;
}
```

```javascript
var baseIsArguments = require('./_baseIsArguments'),
    isObjectLike = require('./isObjectLike');

/**
 * Checks if `value` is likely an `arguments` object.
* @static
* @memberOf _
* @since 0.1.0
* @category Lang
* @param {*} value The value to check.
* @returns {boolean} Returns `true` if `value` is an `arguments` object,
*  else `false`.
* @example
*_.isArguments(function() { return arguments; }());
* // => true
*
*_.isArguments(new Uint8Array(2));
* // => false
*/
var isArguments = baseIsArguments(function() { return arguments; }()) ? baseIsArguments : function(value) {
  return isObjectLike(value) && hasOwnProperty.call(value, 'callee') &&
  !propertyIsEnumerable.call(value, 'callee');
};
```

```javascript
var baseIsArguments = require('./_baseIsArguments'),
    isObjectLike = require('./isObjectLike');

/**
 * Checks if `value` is likely an arguments object.
* @private
* @param {Array} values The values to check.
* @returns {Array} Returns `values`.
*/
function arrayLikeValues(values) {
  var index = values.length - 1;
  while (index--);
  return values.slice(index);
}
```
prefix ? ("xmlns:" + prefix) : "xmlns"
  if (type === "array") {
    if (items) {
      items.xml = items.xml || {} || {}
      items.name = items.name || name || name
    } else if (xml.wrapped) {
      res[displayName] = []
      if (Array.isArray(example)) {
        example.forEach((v) => {
          items.example = v
          res[displayName].push(sampleXmlFromSchema(items, config))
        })
        let _res = [{_attr: _attr}] || {}
        return res
      }
    }
  }

  if (type === "object") {
    let props = objectify(properties)
    res[displayName] = []
    example = example || {}
    for (let propName in props) {
      if (!props.hasOwnProperty(propName)) {
        continue
      }
      if (props[propName].readOnly && !includeReadOnly) {
        continue
      }
      if (props[propName].writeOnly && !includeWriteOnly) {
        continue
      }
      props[propName].xml = props[propName].xml || {}
      if (props[propName].xml.attribute) {
        let enumAttrVal = Array.isArray(props[propName].enum) && props[propName].enum[0]
        let attrExample = props[propName].example
        let attrDefault = props[propName].default
        _attr[props[propName].xml.name || propName] = attrExample !== undefined && attrExample || example[propName] !== undefined && example[propName] || attrDefault !== undefined && attrDefault || primitive(props[propName])
      } else {
        props[propName].xml.name = props[propName].xml.name || propName
        if (props[propName].example === undefined && example[propName] !== undefined) {
          props[propName].example = example[propName]
        }
        let t = sampleXmlFromSchema(props[propName])
        if (Array.isArray(t)) {
          res[displayName] = res[displayName].concat(t)
        } else {
          res[displayName].push(t)
        }
      }
    }
    if (additionalProperties === true) {
      res[displayName].push({additionalProp: "Anything can be here"})
    } else if (additionalProperties) {
      res[displayName].push({additionalProp: primitive(additionalProperties)})
    }
    if (_attr) {
      res[displayName].push({_attr: _attr})
    }
    return res
  }

  if (example !== undefined) {
    value = example
  } else if (defaultValue !== undefined) {
    // display example if exists
    value = defaultValue
  } else if (Array.isArray(enumValue)) {
    // display enum first value
    value = enumValue[0]
  } else {
    // set default value
    value = primitive(schema)
  }

  return res
}

export function createXMLExample(schema, config) {
  let json = sampleXmlFromSchema(schema, config)
  if (!json) { return }

  return XML(json, { declaration: true, indent: "\t" })
}

export const memoizedCreateXMLExample = memoizee(createXMLExample)

export const memoizedSampleFromSchema = memoizee(sampleFromSchema)

// WEBPACK FOOTER //
//
"./src/core/plugins/samples/fn.js","import { normalizeArray } from "core/utils"

export const UPDATE_LAYOUT = "layout_update_layout"
export const UPDATE_FILTER = "layout_update_filter"
export const UPDATE_MODE = "layout_update_mode"
export const SHOW = "layout_show"

export function updateLayout(layout) {
  return {
    type: UPDATE_LAYOUT,
    payload: layout
  }
}

export function updateFilter(filter) {
  return {
    type: UPDATE_FILTER,
    payload: filter
  }
}

export function show(thing, shown = true) {
  thing = normalizeArray(thing)
  return {
    type: SHOW,
    payload: {thing, shown}
  }
}

// Simple function
export function changeMode(thing, mode = "") {
  thing = normalizeArray(thing)
  return {
    type: UPDATE_MODE,
    payload: {thing, mode}
  }
}

// WEBPACK FOOTER //
//
isJSONObject, paramToValue } from `core/utils`/n
Actions conform to FSA (flux-standard-actions)/n/[ type:
string,payload: Any|Error, meta: boolean|error: boolean]n
const toStr = (str) => isString(str) ? str : ""/n

export function updateSpec(spec) {
  const cleanSpec = (toStr(spec)).replace(/\t/g, "  ")/n
  if(typeof spec === "string") {
    return {
      type: UPDATE_SPEC,/n      payload: cleanSpec
    }
  }
}

export function updateResolved(spec) {
  return {
    type: UPDATE_RESOLVED,/n    payload: spec
  }
}

export function updateUrl(url) {
  return {type: UPDATE_URL, payload: url}
}

export function updateJsonSpec(json) {
  return {type: UPDATE_JSON, payload: json}
}

export const parseToJson = (str) => ({specActions, specSelectors, errActions}) => {
  let {
    specStr } = specSelectors

  let json = null
  try {
    str = str || specStr()
    errActions.clear({
      source: "parser",
      level: "error",
      message: e.reason,
      line: e.mark &&
      e.mark.line + 1 : undefined
    })
    json = YAML.safeLoad(str)
    errActions.clear({
      source: "parser",
      level: "error",
      message: e.reason,
      line: e.mark &&
      e.mark.line + 1 : undefined
    })
  } catch(e) {
    console.error(e)
    return {
      type: "thrown",
      errActions.newThrownErr({
        source: "resolver",
        level: "error",
        message: e.reason,
        line: e.mark &&
        e.mark.line + 1 : undefined
      })
    }
  }
  if(json && typeof json === "object") {
    return specActions.updateJsonSpec(json)
  }
  return {}
}

let hasWarnedAboutResolveSpecDeprecation = false

export const resolveSpec = (json, url) => ({specActions, specSelectors, errActions, fn: {fetch, resolve, AST = {}}}, getconfigs) => {
  if(!hasWarnedAboutResolveSpecDeprecation) {
    console.warn(`specActions.resolveSpec is deprecated since v3.10.0 and will be removed in v4.0.0; use
requestResolvedSubtree instead!`)n
    hasWarnedAboutResolveSpecDeprecation = true
  }

  let getLineNumberForPath = AST.getLineNumberForPath ? AST.getLineNumberForPath : () => undefined

  const specStr = specSelectors.specStr()

  const {
    modelPropertyMacro,
    parameterMacro,
    requestInterceptor,
    responseInterceptor
  } = getconfigs()

  try {
    var batchResult = await requestBatch.reduce(async (prev, path) => {
      const { resultMap, specWithCurrentSubtrees } = await prev
      const { errors, spec } = specActions.updateResolved(specWithCurrentSubtrees)
      return specActions.updateResolved(specWithCurrentSubtrees)
    }, {specActions, specSelectors, errActions})
  } catch(e) {
    console.error(e)
    return {
      type: "thrown",
      errActions.newThrownErr({
        source: "resolver",
        level: "error",
        message: e.reason,
        line: e.mark &&
        e.mark.line + 1 : undefined
      })
    }
  }

  return {
    type: UPDATE_RESOLVED,/n    payload: spec
  }
}
await resolveSubtree(specWithCurrSubtrees, path, {
  baseDoc: specSelectors.url(),
  modelPropertyMacro, parameterMacro, requestInterceptor, responseInterceptor
})

if(errSelectors.allErrors().size) {
  errActions.clearBy(err => {
    if(err.get("type") !== "thrown")
      return true
  })
}

if(Array.isArray(errors) && errors.length > 0) {
  let preparedErrors = errors.map(err => {
    err.line = err.fullPath ? getLineNumberForPath(specStr, err.fullPath) : null
    err.path = err.fullPath ? err.fullPath.join(".") : null
    err.level = "error"
    err.type = "thrown"
    err.source = "resolver"
    Object.defineProperty(err, "message", { enumerable: true, value: err.message })
    return err
  })
  errActions.newThrownErrBatch(preparedErrors)
}

set(resultMap, path, spec)
set(specWithCurrentSubtrees, path, spec)

return {
  resultMap,
  specWithCurrentSubtrees
}

requestBatch.system = [] // Clear stack
requestBatch = [] // Clear requestBatch
requestBatch = requestBatch.push(path)
requestBatch.system = system
debResolveSubtrees()
Open Source Used In SDWan

```
paramValue.size === 0)) { /* set it to empty string, so Swagger Client will treat it as
  // present but empty. */ req.parameters[param.get('name')].value = ''; }
else if (op & & op.operationId) { /* req.operationId = op.operationId */
  else if (op & & pathName & & method) { /* req.operationId = fn.opId(op, pathName, method); */
    if (specSelectors.isOAS3()) { /* const namespace = `${pathName}:${method}` */
      req.server = oas3Selectors.selectedServer(nam)
      const namespaceVariables = oas3Selectors.serverVariables({ server: req.server, namespace: namespace }).toJS()
      req.serverVariables = Object.keys(namespaceVariables).length ? namespaceVariables : globalVariables
      req.requestContentType = oas3Selectors.requestContentType(pathName, method)
      req.responseContentType = oas3Selectors.responseContentType(pathName, method)
    }
    if (specSelectors.isOAS3()) { /* const namespace = `${pathName}:${method}` */
      req.requestBody = JSON.parse(requestBody)
      } else if (requestBody & & requestBody.toJS) { /* req.requestBody = requestBody.toJS(); */
```
and secret`) 
} 
return authActions.authorizeRequest({ body: buildFormData(form), url: schema.get("tokenUrl"), name, headers, query, auth }) 
} 

export const authorizeAccessCodeWithFormParams = ( { auth, redirectUrl } ) => ( { authActions } ) => {
  let { schema, name, clientId, clientSecret } = auth 
  let form = {
    grant_type: "client_credentials",
    scope: scopes.join(scopeSeparator),
    grant_type: "authorization_code",
    code: auth.code,
    clientId: clientId, 
    clientSecret: clientSecret, 
    redirect_uri: redirectUrl, 
  } 
  return authActions.authorizeRequest({ body: buildFormData(form), name, url: schema.get("tokenUrl"), auth, headers }) 
}

export const authorizeAccessCodeWithBasicAuthentication = ( { auth, redirectUrl } ) => ( { authActions } ) => {
  let { schema, name, clientId, clientSecret } = auth 
  let form = {
    grant_type: "authorization_code",
    code: auth.code,
    clientId: clientId, 
    clientSecret: clientSecret, 
    redirect_uri: redirectUrl, 
  } 
  return authActions.authorizeRequest({ body: buildFormData(form), name, url: schema.get("tokenUrl"), auth }) 
}

export const authorizeRequest = ( data ) => ( { fn, getConfigs, authActions, errActions, oas3Selectors, specSelectors, authSelectors } ) => {
  let {
    body, query={}, headers={}, name, url, auth } = data
  let additionalQueryStringParams = authSelectors.getConfigs() || {}
  let parsedUrl = parseUrl(url, specSelectors.url(), true)
  if(typeof additionalQueryStringParams === "object") {
    parsedUrl.query = Object.assign({}, parsedUrl.query, additionalQueryStringParams)
  }
  const fetchUrl = parsedUrl.toString()
  let _headers = Object.assign({
    "Accept":"application/json, text/plain, */*",
    "Content-Type": "application/x-www-form-urlencoded",
    "X-Requested-With": "XMLHttpRequest"
  }, headers)
  fn.fetch({
    url: fetchUrl,
    method: "post",
    headers: _headers,
    query: query, 
    body: body, 
    requestInterceptor: getDefs().requestInterceptor, 
    responseInterceptor: getDefs().responseInterceptor, 
  }) 
  .then(function (response) {
    let token = JSON.parse(response.data)
    let error = token && ( token.error || "" )
    let parseError = token && ( token.parseError || "" )
    if ( !response.ok ) {
      errActions.newAuthErr({
        authId: name,
        level: "error",
        source: "auth",
        message: response.statusText
      })
      return
    }
    if ( error || parseError ) {
      errActions.newAuthErr({
        authId: name,
        level: "error",
        source: "auth",
        message: JSON.stringify(token)
      })
      return
    }
    authActions.authorizeOauth2({ auth, token })
  }) 
  .catch(e => {
    let err = new Error(e)
    let message = err.message // swagger-js wraps the response (if available) into the e.response property
    // investigate to check whether there are more details on why the authorization
    // request failed (according to RFC 6479).
    // See also https://github.com/swagger-api/swagger-ui/issues/4048
    // if (e.response && e.response.data) {
    //  try {
    //    const jsonResponse = typeof e.response.data === "string" ? JSON.parse(e.response.data) : e.response.data
    //    if (jsonResponse.error === "notAuthorized") {
    //      message += `, error: ${jsonResponse.error_error_description}`
    //    }
    //  }
    //}
    if (message) {
      errActions.newThrownErr(e)
    } else {
      errActions.newApiRequestErr({
        authId: name,
        level: "error",
        source: "auth",
        message: message
      })
    }
  })
}

export function configureAuth(payload) {
  return {
    type: CONFIGURE_AUTH,
    payload: payload
  }
}

export function parseYamlConfig(yaml, system) {
  try {
    return YAML.safeLoad(yaml)
  } catch(e) {
    if (system) {
      system.errActions.newThrownErr(e)
    }
    return {}
  }
}

export const UPDATE_CONFIGS = "configs_update"
export const TOGGLE_CONFIGS = "configs_toggle"

export function update(configName, configValue) {
  return {
    type: UPDATE_CONFIGS,
    payload: { configName: configValue } 
  }
}

export const UPDATE_CONFIGS = "configs_update"
export const TOGGLE_CONFIGS = "configs_toggle"

export function update(configName, configValue) {
  return {
    type: UPDATE_CONFIGS,
    payload: { configName: configValue } 
  }
}
name

export function toggle(configName) {
  return {
    type: TOGGLE_CONFIGS,
    payload:
    configName,
  };
}

export function setRequestBodyValue({ value, pathMethod }) {
  return {
    type: UPDATE_REQUEST_BODY_VALUE,
    payload: { value, pathMethod },
  };
}

export function setRequestBodyValue({ value, pathMethod }) {
  return {
    type: UPDATE_REQUEST_BODY_VALUE,
    payload: { value, pathMethod },
  };
}

export function setActiveExamplesMember({ name, pathMethod, contextType, contextName }) {
  return {
    type: UPDATE_ACTIVE_EXAMPLES_MEMBER,
    payload: { name, pathMethod, contextType, contextName },
  };
}

export function setRequestContentType({ value, pathMethod }) {
  return {
    type: UPDATE_REQUEST_CONTENT_TYPE,
    payload: { value, pathMethod },
  };
}

export function setResponseContentType({ value, path, method }) {
  return {
    type: UPDATE_RESPONSE_CONTENT_TYPE,
    payload: { value, path, method },
  };
}

export function setServerVariableValue({ server, namespace, key, val }) {
  return {
    type: UPDATE_SERVER_VARIABLE_VALUE,
    payload: { server, namespace, key, val },
  };
}

export function setSelectedServer(selectedServerUrl, namespace) {
  return {
    type: UPDATE_SELECTED_SERVER,
    payload: { selectedServerUrl, namespace },
  };
}

export function setRequestBodyValue({ value, pathMethod }) {
  return {
    type: UPDATE_REQUEST_BODY_VALUE,
    payload: { value, pathMethod },
  };
}

export function setRequestBodyValue({ value, pathMethod }) {
  return {
    type: UPDATE_REQUEST_BODY_VALUE,
    payload: { value, pathMethod },
  };
}

export function setActiveExamplesMember({ name, pathMethod, contextType, contextName }) {
  return {
    type: UPDATE_ACTIVE_EXAMPLES_MEMBER,
    payload: { name, pathMethod, contextType, contextName },
  };
}

export function setRequestContentType({ value, pathMethod }) {
  return {
    type: UPDATE_REQUEST_CONTENT_TYPE,
    payload: { value, pathMethod },
  };
}

export function setResponseContentType({ value, path, method }) {
  return {
    type: UPDATE_RESPONSE_CONTENT_TYPE,
    payload: { value, path, method },
  };
}

export function setServerVariableValue({ server, namespace, key, val }) {
  return {
    type: UPDATE_SERVER_VARIABLE_VALUE,
    payload: { server, namespace, key, val },
  };
}
Object methods by ES6 should accept primitives
var $export = require('./_export');
var core = require('./_core');
var fails = require('./_fails');
module.exports = function (KEY, exec) { 
  var fn = (core.Object || {})[KEY] || Object[KEY];
  var exp = {}; 
  exp[KEY] = exec(fn);
  $export(SeXObject.S + $export.F * 
  fails(function () { 
    fn(1); }));
  "Object", exp;
};

/////////////////
// WEBPACK FOOTER
// module: 0
// module chunks: 0

IsArray(argument)
var cof = require('./_cof');
module.exports = Array.isArray || function isArray(arg) {
  return cof(arg) == 'Array';
};

/////////////////
// WEBPACK FOOTER
// module: 1
// module chunks: 0

Object.getOwnPropertyNames(O)
var $keys = require('./_object-keys-internal');
var hiddenKeys = require('./_enum-bug-keys').concat('length', 'prototype');
module.exports = Object.getOwnPropertyNames || function 

getOwnPropertyNames(O) {
  return $keys(O, hiddenKeys);
};

/////////////////
// WEBPACK FOOTER
// module: 2
// module chunks: 0

getOwnPropertyDescriptor(O, P)
var pIE = require('./_object-pie');
var createDesc = require('./_property-desc');
var toIObject = require('./_to-iobject');
var toPrimitive = require('./_to-primitive');
var has = require('./_has');
var IE8_DOM_DEFINE = require('./_ie8-dom-define');
var gOPD = Object.getOwnPropertyDescriptor;
module.exports = require('./_descriptors') ? gOPD : function 

getOwnPropertyDescriptor(O, P) {
  O = toIObject(O);
  P = toPrimitive(P, true);
  if (IE8_DOM_DEFINE) try {
    return gOPD(O, P);
  } catch (e) { /* empty */ }
  if (has(O, P)) return createDesc(!pIE.f.call(O, P),
  O[P]);
};

/////////////////
// WEBPACK FOOTER
// module: 3
// module chunks: 0

Object.assign(target, source)
'
use strict';

/*
 * OBJECT ASSIGN DEEP
 * Allows deep cloning of plain objects that contain primitives, nested plain objects, or nested plain arrays.
 */

/*
 * A unified way of returning a string that describes the type of the given variable.
 */

var _typeof = typeof Symbol === "function" && typeof Symbol.iterator === "symbol" ? function (obj) { return typeof obj; } : function (obj) {
  return obj && typeof Symbol === "function" && obj.constructor === Symbol && obj !== Symbol.prototype ? "symbol" : _typeof(obj);
}

function getTypeOf(input) {

	if (input === null) {
		return 'null';
	} else if (typeof input === 'undefined') {
		return 'undefined';
	} else if ((typeof input === 'undefined' ? 'undefined' : _typeof(input)) === 'object') {
		return 'object';
	}

	return typeof input === 'undefined' ? 'undefined' : _typeof(input);
}

/*
 * Enumerates the given array and returns a new array, with each of its values cloned (i.e. references broken).
 */

function quickCloneArray(input) {
	return input.map(cloneValue);
}

/*
 * Enumerates the properties of the given object (ignoring the prototype chain) and returns a new object, with each of its values cloned (i.e. references broken).
 */

function quickCloneObject(input) {

	var output = {};

	for (var key in input) {
		if (!input.hasOwnProperty(key)) {
			continue;
		}

		output[key] = cloneValue(input[key]);
	}

	return output;
}

/*
 * Does the actual deep merging.
 */

function executeDeepMerge(target) {


	var options = {
		arrayBehaviour: _options.arrayBehaviour || 'replace' // Can be 'merge' or 'replace'.
	};

	var objects = _objects.map(function (object) { 
		return quickCloneObject(object);
	});

	var output = target || [ ];

	// Ensure we have actual objects for each.
	var objects = _objects.map(function (object) { 
		return quickCloneObject(object);
	});

	for (var i = 0; i < objects.length; i++) {
		var object = objects[i];

		for (var key in object) {
			if (typeof object[key] !== 'undefined') {
				target[key] = cloneValue(object[key]);
			}
		}
	}

	return output;
}

/*
 * Enumerates the given array and returns a new array, with each of its values cloned (i.e. references broken).
 */

function quickCloneArray(input) {
	return input.map(cloneValue);
}

/*
 * Enumerates the given array and returns a new array, with each of its values cloned (i.e. references broken).
 */

function quickCloneObject(input) {

	var output = { 
		counter: 0,
		output: 0
	};

	for (var var in input) {
		output[var] = input[var];
	}

	return output;
}

/*
 * Enumerates the given array and returns a new array, with each of its values cloned (i.e. references broken).
 */

function quickCloneArray(input) {
	return input.map(cloneValue);
}

/*
 * Enumerates the given array and returns a new array, with each of its values cloned (i.e. references broken).
 */

function quickCloneObject(input) {

	var output = { 
		counter: 0,
		output: 0
	};

	for (var var in input) {
		output[var] = input[var];
	}

	return output;
}
existingValueType = getTypeOf(output[key]);

if (type === 'object') {
  if (existingValueType !== 'undefined') {
    var existingValue = existingValueType;
  } else if (type === 'array') {
    var newArray = quickCloneArray(value);
  }

  output[key] = executeDeepMerge({}, [existingValue, quickCloneObject(value)], options);
}

return output;

/*
 * Merge all the supplied objects into the target object, breaking all references, including those of
 * nested objects, arrays, and even objects nested inside arrays. The first parameter is not mutated
 * unlike Object.assign().
 * Properties in later objects will always overwrite.
 */
module.exports = function objectAssignDeep(target) {
  for (var _len = arguments.length, objects = Array(_len - 1), _key = 1; _key < _len; _key++) {
    objects[_key - 1] = arguments[_key]
  }

  return executeDeepMerge(target, objects);
}

/*
 * Same as objectAssignDeep() except it doesn’t mutate the target object and returns an entirely
 * new object.
 */
module.exports.noMutate = function objectAssignDeepInto() {
  return executeDeepMerge({}, arguments);
};

/*
 * Allows an options object to be
 * passed in to customise the behaviour of the function.
 */
module.exports.withOptions = function objectAssignDeepInto(target, objects, options) {
  return executeDeepMerge(target, objects, options);
};

var g;

try {
  g = g || Function("return this")() || (1,eval)("this");
} catch(e) {
  if(typeof window === "object")
    g = window;
}

module.exports = g;

/**
 * The base implementation of `_.slice` without an iteratee call guard.
 *
 * @private
 * @param {Array} array The array to slice.
 * @param {number} [start=0] The start position.
 * @param {number} [end=array.length] The end position.
 * @returns {Array} Returns the slice of `array`.
 */
function baseSlice(array, start, end) {
  var index = -1,
      length = array.length;

  if (start < 0) {
    start = (length + start) || 0;
  }
  end = end > length ? length : end;
  if (end < 0) {
    end += length;
  }
  length = start > end ? 0 : ((end - start) >>> 0);
  start >>>= 0;

  var result = Array(length);
  while (++index < length) {
    result[index] = array[index + start];
  }
  return result;
}

module.exports = baseSlice;
191
// module chunks = 0,"/* Used to compose unicode character classes. */
var rsAstralRange = '\\ud800-\\udfff',
    rsComboMarksRange = '\\u200d-\\ufe00',
    rsComboSymbolsRange = '\\ufe20-\\ufe2f',
    rsComboHalfMarksRange = '\\ufe00-\\ufe0f',
    rsComboRange = rsComboMarksRange + rsComboSymbolsRange + rsComboHalfMarksRange + rsVarRange;

/**
 * Checks if `string` contains Unicode symbols.
 * 
 * @param {string} string The string to inspect.
 * @returns {boolean} Returns `true` if a symbol is found, else `false`.
 */
function hasUnicode(string) {
  return reHasUnicode.test(string);
}

module.exports = hasUnicode;


\\%/WEBPACK FOOTER\\n// module id = 192
// module chunks = 0","/**
 * A specialized version of `_.reduce` for arrays without support for
 * iteratee shorthands.
 * 
 * @private
 * @param {Array} [array] The array to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @param {*} [accumulator] The initial value.
 * @returns {*} Returns the accumulated value.
 */
function arrayReduce(array, iteratee, accumulator) {
  var index = -1,
      length = array == null ? 0 : array.length;

  if (initAccum &&
      length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator =
    iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;


\\%/WEBPACK FOOTER\\n// module id = 193
// module chunks = 0","var MapCache = require('./_MapCache');

/**
 * Creates a function that memoizes the result of `func`. If
 * `resolver` is
 * provided, it determines the cache key for storing the result based on the
 * arguments provided to
 * the memoized function. By default, the first argument
 * provided to the memoized function is used as the map
 * cache key. The `func`
 * is invoked with the `this` binding of the memoized
 * function.
 * 
 * `_.memoize` is **Note:** The cache
 * is exposed as the `cache` property on the memoized
 * function. Its creation may be customized by replacing the
 * `_._memozie.Cache` constructor with one whose instances implement the
 * `Map`
 * `function` func The function to have its output memoized.
 * @returns {Function} Returns the new memoized function.
 * @example
 *
 * var object = { 'a': 1, 'b': 2 };
 * var other = { 'c': 3, 'd': 4 };
 *
 * var values = _.memoize(_.values);
 * values(object);
 * // => [1, 2]
 *
 * values(other);
 * // => [3, 4]
 *
 * object.a = 2;
 * values(object);
 * // => [2, 4]
 *
 * // Replace `_._memozie.Cache` with WeakMap
 */
function memoize(func, resolver) {
  if (typeof func != 'function' || (resolver != null && typeof resolver != 'function')) {
    throw new
    TypeError(FUNC_ERROR_TEXT);
  }
  var memoized = function() {
    var args = arguments,
        key =
        resolver ? resolver.apply(this, args) : args[0],
        cache = memoized.cache;

    if (cache.has(key)) {
      return
      cache.get(key);
    }
    var result = func.apply(this, args);
    memoized.cache = WeakMap
    function(func, resolver) {
    }\\n
}
in Safari 9 which returns 'object' for typed arrays and other constructors.

```javascript
var tag = baseGetTag(value);
return tag === funcTag || tag === genTag || tag === asyncTag || tag === proxyTag;
}

module.exports = isFunction;

```
function arraySome(array, predicate) {
    var index = -1,
        length = array
          ? (null === array.length) ? 0 : array.length
          : ++index < length
            ? array[index]
            : false;
    return
      if (predicate(array[index], index, array))
        return
          true;
    return
      false;
}

module.exports = arraySome;


///
/// WEBPACK FOOTER
/// ./node_modules/lodash/_arraySome.js
/// module id = 199
/// module chunks = 0
/// var Uint8Array = root.Uint8Array;

/**
 * Creates an array of own enumerable property names
 * and symbols of `object`.
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names and symbols.
 */
function getAllKeys(object) {
    return
      baseGetAllKeys(object, keys, getSymbols);
}

module.exports = getAllKeys;


///
/// WEBPACK FOOTER
/// ./node_modules/lodash/_getAllKeys.js
/// module id = 200
/// module chunks = 0

/**
 * Used for built-in method references.
 */
function stubArray() {
    return
      [];
}

module.exports = stubArray;


///
/// WEBPACK FOOTER
/// ./node_modules/lodash/stubArray.js
/// module id = 201
/// module chunks = 0

/**
 * Checks if the array-like `value` has a `length` value
 * longer than or equal to `size`.
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Array
 * @param {Array} value The array-like value to check.
 * @param {number} [size] The size to accept.
 * @returns {boolean} Returns `true` if `value` has a
 * `length` value greater than or equal to `size`, else
 * `false`.
 */
function hasTypedArrayProperty(value, size) {
    // ...
OPEN SOURCE USED IN SDWAN 20.4.1

```javascript
fromJS } from \"immutable\" }\n\nexport function transform(errors, { jsSpec }) {
  // LOOK HERE THIS TRANSFORMER IS CURRENTLY DISABLED
  // TODO: finish implementing, fix flattening problem
  /* eslint-disable no-unreachable */
  return errors

  // JSONSchema gives us very little to go on
  let searchString = "is not exactly one from \#/definitions/parameter>,\#/definitions/jsonReference>\n  return errors

  let message = err.get("message")
  let isParameterOneOfError = message.indexOf(searchString) > -1
  if(isParameterOneOfError) {
    // try to find what's wrong
    return createTailoredParameterError(err, jsSpec)
  } else {
  return err
  }

  // find addressable cases
  if(parametr.in && VALID_IN_VALUES.indexOf(parametr.in) === -1) {
    let message = `Wrong value for the \"in\" keyword. Expected one of: ${VALID_IN_VALUES.join(\", \")}.`
    return err
  }

  if(parametr.collectionFormat && VALID_COLLECTIONFORMAT_VALUES.indexOf(parametr.collectionFormat) === -1) {
    let message = `Wrong value for the \"collectionFormat\" keyword. Expected one of: ${VALID_COLLECTIONFORMAT_VALUES.join(\", \")}.`
    return err
  }

  return err
}

const VALID_IN_VALUES = [\"path\", \"query\", \"header\", \"body\", \"form\"]
const VALID_COLLECTIONFORMAT_VALUES = [\"csv\", \"ssv\", \"tsv\", \"pipes\", \"multi\"]

function createTailoredParameterError(err, jsSpec) {
  let newErrs = []
  let parameter = get(jsSpec, err.get("path"))

  // find addressable cases
  if(parameter.in && VALID_IN_VALUES.indexOf(parameter.in) === -1) {
    let message = `Wrong value for the \"in\" keyword. Expected one of: ${VALID_IN_VALUES.join(\", \")}.`
    return err
  }

  if(parameter.collectionFormat && VALID_COLLECTIONFORMAT_VALUES.indexOf(parameter.collectionFormat) === -1) {
    let message = `Wrong value for the \"collectionFormat\" keyword. Expected one of: ${VALID_COLLECTIONFORMAT_VALUES.join(\", \")}.`
    return err
  }

  return newErrs.length ? fromJS(newErrs) : err // fall back to making no changes
}

const UPDATE_LAYOUT = (state, action) => state.set("layout", action.payload)
const UPDATE_FILTER = (state, action) => state.set("filter", action.payload)
const UPDATE_MODE = (state, action) => state.setIn([\"modes\", ...action.thing], (mode || \"\") + "")
const SHOW = (state, action) => {
  return state.update("shown", fromJS({})), a => a.set(action.thing, action.payload)
}

// call something on iterator step with safe closing on error
var anObject = require('./_an-object');
module.exports = function (iterator, fn, value, entries) {
  try {
    return entries ? fn(anObject(value)[0], value[1]) : fn(value);
  // 7.4.6 IteratorClose(iterator, completion)
  } catch (e) {
    var ret = iterator['return'];
    if (ret !== undefined)
      anObject(ret.call(iterator));
    throw e;
  }
};
```

---

**Open Source Used In SDWan 20.4.1**

- Immutable.js
- React
- Webpack
- Core.js
- Node.js modules

---

**Module Details:**

- **Node.js Module ID:** 221
- **Module Chunks:** 0
Array iterator

```javascript
var Iterators = require('./_iterators');
var ITERATOR = require('./_wks')('iterator');
var ArrayProto = Array.prototype;

module.exports = function (it) {
  return it !== undefined && (Iterators.Array === it || ArrayProto[ITERATOR] === it);
};
```

```javascript
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_is-array-iter.js
// module id = 222
// module chunks = 0

var ITERATOR = require('./_wks')('iterator');

SAFE_CLOSING = false;

try {
  var riter = [7][ITERATOR]();
  riter['return'] = function () { SAFE_CLOSING = true; };
  // eslint-disable-next-line no-throw-literal
  Array.from(riter, function () { throw 2; });
} catch (e) {
  if (!SAFE_CLOSING)
    return false;
}

module.exports = function (exec, skipClosing) {
  if (!skipClosing && !SAFE_CLOSING) return false;
  var safe = false;

  try {
    var arr = [7];
    var iter = arr[ITERATOR]();
    iter.next = function () { return { done: safe = true }; };
    arr[ITERATOR] = function () { return iter; };
  } catch (e) {
    if (!SAFE_CLOSING)
      return false;
  }

  try {
    var arr = [7];
    var iter = arr[ITERATOR]();
    iter.next = function () { return { done: safe = true }; };
    arr[ITERATOR] = function () { return iter; };
    arr[ITERATOR] = function () { return null; };
    arr[ITERATOR] = function () { return { done: false }; };
    arr[ITERATOR] = function () { return { done: true }; };
    arr[ITERATOR] = function () { return { done: true }; };
    arr[ITERATOR] = function () { return { done: true }; };
    exec(arr);
  } catch (e) {
    if (!SAFE_CLOSING)
      return false;
  }
```

```javascript
imports reducers from "./reducers"
import * as actions from "./actions"
import * as selectors from "./selectors"
import * as wrapActions from "./wrap-actions"

export default function() {
  return {
    statePlugins: {
      spec: {
        reducers,
        actions,
        selectors
      }
    }
  }
}
```

```javascript
import { fromJS, List } from "immutable"
import { fromJSOrdered, validateParam, paramToValue } from "core/utils"
import win from "../../window"

import { specJsonWithResolvedSubtrees, parameterValues, parameterInclusionSettingFor, UPDATE_SPEC, UPDATE_URL, UPDATE_JSON, UPDATE_PARAM, UPDATE_EMPTY_PARAM_INCLUSION, VALIDATE_PARMS, SET_RESPONSE, SET_REQUEST, SET_MUTATED_REQUEST, UPDATE_RESOLVED, UPDATE_RESOLVED_SUBTREE, UPDATE_OPERATION_META_VALUE, CLEAR_RESPONSE, CLEAR_REQUEST, CLEAR_VALIDATE_PARMS, SET_SCHEME } from "./spec/index.js"

export function() {
  return {
    statePlugins: {
      spec: {
        reducers,
        actions,
        selectors
      }
    }
  }
}
```
null

```javascript
module.exports = { 
  set: setTask,
  clear: clearTask,
};


```
( just for debugging, shouldn’t affect prod )
export const executeRequest = (ori, { specActions }) => (req) => {
  return ori(req)
}

export const validateParams = (ori, { specSelectors }) => (req) => {
  return ori(req, specSelectors.isOAS3())
}

// WEBPACK FOOTER //
// ./src/core/plugins/spec/wrap-actions.js
import * as rootInjects from "./root-injects"
import { memoize } from "core/utils"

export default function({getComponents, getStore, getSystem}) {
  let { getComponent, render, makeMappedContainer } = rootInjects
  _already_memoized... otherwise we have a big performance hit ( think, really big )

  const memGetComponent = memoize(getComponent.bind(null, getSystem, getStore, getComponents))
  const memMakeMappedContainer = memoize(makeMappedContainer.bind(null, getSystem, getStore, memGetComponent, getComponents))

  return {
    getComponent: memGetComponent,
    makeMappedContainer: memMakeMappedContainer,
    render: render.bind(null, getSystem, getStore, getComponent, getComponents),
  }
}

// WEBPACK FOOTER //
// ./src/core/plugins/view/index.js
import React, { Component } from "react"
import ReactDOM from "react-dom"
import { connect, Provider } from "react-redux"
import omit from "lodash/omit"

const SystemWrapper = (getSystem, ComponentToWrap ) => class extends Component {
  render() {
    return <ComponentToWrap {...getSystem() } {...this.props} {...this.context} />
  }
}

const RootWrapper = (reduxStore, ComponentToWrap) => class extends Component {
  render() {
    return (
      <Provider store={reduxStore}>
        <ComponentToWrap {...this.props} {...this.context} />
      </Provider>
    )
  }
}

const makeContainer = (getSystem, component, reduxStore) => {
  const mapStateToProps = function(state, ownProps) {
    const propsForContainerComponent = Object.assign({}, ownProps, getSystem())
    const ori = component.prototype.mapStateToProps || (state => { return {state} })
    return ori(state, propsForContainerComponent)
  }

  let wrappedWithSystem = SystemWrapper(getSystem, component, reduxStore)
  let connected = connect( mapStateToProps )(wrappedWithSystem)
  if(reduxStore)
    return RootWrapper(reduxStore, connected)
  return connected
}

const handleProps = (getSystem, mapping,
  props, oldProps) => {
  for (let prop in mapping) {
    let fn = mapping[prop]
    if(typeof fn === "function")
      fn(props[prop], oldProps[prop], getSystem())
  }
}

export const makeMappedContainer = (getSystem,
  getStore, memGetComponent, getComponents, componentName, mapping) => {
  return class extends Component {
    constructor(props, context) {
      super(props, context)
      handleProps(getSystem, mapping,
        props, {})
    }

    render() {
      let cleanProps = omit(this.props, mapping ? Object.keys(mapping) : [])
      let Comp = memGetComponent(componentName, "root")
      return <Comp {...cleanProps}/>
    }

  }
}

export const render = (getSystem, getStore, getComponent, getComponents, domNode) => {
  let App = getComponent(getSystem, getStore, getComponents, "App", "root")
  ReactDOM.render(( <App/> ), domNode)
}

const createClass = component => class extends Component {
  render() {
    return component(this.props)
  }
}

const Fallback = ({ name }) => <div style={{ // eslint-disable-line react/prop-types
    padding: "1em",
    "color": "#aaa"
  }}> <i>Could not render { name === "t" ? "this component" : name }, see the console.</i></div>

const wrapRender = (component) => {
  const isStateless = component => !(component.prototype && component.prototype.isReactComponent)

  const target = isStateless(component) ? createClass(component) : component

  const ori = target.prototype.render

  target.prototype.render = function render(...args) {
    try {
      return ori.apply(this, args)
    } catch (error) {
      return <Fallback error={error} name={target.name} />
    }
  }

  return target
}

export const getComponent = (getSystem, getStore, getComponents, componentName, container) => {
  if(typeof componentName !== "string")
    throw new TypeError("Need a string, to fetch a component. Was given a " + typeof componentName)

  let component = getComponents(componentName)
  if(!component) {
    getSystem().log.warn("Could not find component", componentName)
    return null
  }

  let target = wrapRender(component)

  function render(...args) {
    try {
      ori.apply(this, args)
    } catch (error) {
      console.error(error) // eslint-disable-line no-console
      return <Fallback error={error} name={target.name} />
    }

    return target
  }

  return getComponent(getSystem, getStore, getComponents, componentName, container) || {
    if(typeof componentName !== "string")
      throw new TypeError("Need a string, to fetch a component. Was given a " + typeof componentName)
require('./_baseKeysIn'), isArrayLike = require('./isArrayLike');

/**
 * Creates an array of the own and
 * inherited enumerable property names of `object`.
 *
 * **Note:** Non-object values are coerced to objects.
 *
 * @static
 * @memberOf _
 * @since 3.0.0
 * @category Object
 * @param {Object} object The object to
 * query.
 * @returns {Array} Returns the array of property names.
 * @example
 * function Foo() {
 *   this.a = 1;
 *   this.b = 2;
 * }
 *
 * new Foo().x = 1;
 *
 * Object.keys(Foo.prototype);
 * // => ["a", "b", "x"]
 */
function keysIn(object) {
  return isArrayLike(object) ?
    arrayLikeKeys(object, true) : baseKeysIn(object);
  return result;
}

module.exports = keysIn;


var baseGetAllKeys = require('./_baseGetAllKeys'),
    getSymbolsIn = require('./_getSymbolsIn'),
    keysIn = require('./keysIn');

/**
 * Creates an array of own and inherited enumerable property names and
 * symbols of `object`.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names and symbols.
 */
function getAllKeysIn(object) {
  return baseGetAllKeys(object, keysIn, getSymbolsIn);
}

module.exports = getAllKeysIn;


// WEBPACK FOOTER //
// external "Swagger-client"
// module id = 246
// module chunks = 0
this.rootInjects.pre authorizeApiKey = pre authorizeApiKey.bind(null, system)\nthis.rootInjects.pre authorizeBasic = pre authorizeBasic.bind(null, system)\n}, statePlugins: { auth: { reducers, actions, selectors } }, spec: { wrapActions: specWrapActionReplacements\n} },\n\nthis.rootInjects.pre authorizeApiKey = pre authorizeApiKey.bind(null, system)\nthis.rootInjects.pre authorizeBasic = pre authorizeBasic.bind(null, system)\n}, statePlugins: { auth: { reducers, actions, selectors } }, spec: { specSelectors: { specJson, isOAS3 }, statePlugins: { authActions: { authorize }, specSelectors: { specJson, isOAS3 }, statePlugins: { authActions: { authorize }, specSelectors: { specJson, isOAS3 } }, statePlugins: { authActions: { authorize }, specSelectors: { specJson, isOAS3 } }, statePlugins: { authActions: { authorize }, specSelectors: { specJson, isOAS3 } } }, statePlugins: { authActions: { authorize }, specSelectors: { specJson, isOAS3 } } }, statePlugins: { authActions: { authorize }, specSelectors: { specJson, isOAS3 } } } = system,\n\n/* components */ const definitionBase = isOAS3 ? ["components", "securitySchemes"] : ["securityDefinitions"]\n\nlet value = { \n  value: { \n    username, \n    password, \n  }, \n  schema: schema.toJS(system)\n} \n\nreturn authorize({ \n  [key]: { \n    value, \n    schema: schema.toJS() \n  } \n})
\nexport function pre authorizeBasic(system, key, username, password) {
  const {
    authActions: { authorize },
    specSelectors: { specJson, isOAS3 } \n  } = system,\n \n  const definitionBase = isOAS3 ? ["components", "securitySchemes"] : ["securityDefinitions"]\n\n  const schema = specJson().getIn([...definitionBase, key])\n\n  if (!schema) \n    return null\n  \n  return authorize({ \n    [key]: { \n      value: { \n        username, \n        password, \n      }, \n      schema: schema.toJS() \n    } \n  })
\nexport function pre authorizeApiKey(system, key, value) {
  const {
    authActions: { authorize },
    specSelectors: { specJson, isOAS3 } \n  } = system,\n  \n  const definitionBase = isOAS3 ? ["components", "securitySchemes"] : ["securityDefinitions"]\n\n  const schema = specJson().getIn([...definitionBase, key])\n\n  if (!schema) \n    return null\n  \n  return authorize({ \n    [key]: { \n      value, \n      schema: schema.toJS() \n    } \n  })
\nWEBPACK FOOTER // ./src/core/plugins/auth/index.js,"import { fromJS, Map } from "immutable"\n\nimport { fromJS, Map } from "immutable"\n\nconvertAuth = createSelector(state, auth => auth.get("showDefinitions") || Map())\n\nWEBPACK FOOTER // ./src/core/plugins/auth/reducers.js"import { createSelector } from "reselect"\n\nexport const definitionsForRequirements = (state, securities = List()) => ( { authSelectors } => {\n  const allDefinitions = authSelectors.definitionsToAuthorize() || List()\n  return allDefinitions.filter((def) => {\n    return securities.some(sec => sec.get(def.keySeq().first()))\n  })\n})
\nexport const definitionsForRequirements = (state, securities = List()) => ( { authSelectors } => {\n  const allDefinitions = authSelectors.definitionsToAuthorize() || List()\n  return allDefinitions.filter((def) => {\n    return securities.some(sec => sec.get(def.keySeq().first()))\n  })\n})
\nexport const definitionsForRequirements = (state, securities = List()) => ( { authSelectors } => {\n  const allDefinitions = authSelectors.definitionsToAuthorize() || List()\n  return allDefinitions.filter((def) => {\n    return securities.some(sec => sec.get(def.keySeq().first()))\n  })\n})
\nexport const definitionsForRequirements = (state, securities = List()) => ( { authSelectors } => {\n  const allDefinitions = authSelectors.definitionsToAuthorize() || List()\n  return allDefinitions.filter((def) => {\n    return securities.some(sec => sec.get(def.keySeq().first()))\n  })\n})
\nexport const definitionsForRequirements = (state, securities = List()) => ( { authSelectors } => {\n  const allDefinitions = authSelectors.definitionsToAuthorize() || List()\n  return allDefinitions.filter((def) => {\n    return securities.some(sec => sec.get(def.keySeq().first()))\n  })\n})
\nexport const definitionsForRequirements = (state, securities = List()) => ( { authSelectors } => {\n  const allDefinitions = authSelectors.definitionsToAuthorize() || List()\n  return allDefinitions.filter((def) => {\n    return securities.some(sec => sec.get(def.keySeq().first()))\n  })\n})

authSelectors }) => {
  let authorized = authSelectors.authorized()

  if(!List.isList(securities)) {
    return null
  }

  return !!securities.toJS().filter( (security) => {
    let isAuthorized = true

    return Object.keys(security).map((key) => {
      let authorized = authSelectors.authorized().get(key)

      return !isAuthorized || !!authorized
    }).indexOf(false) === -1
  })
}

export const getConfigs = createSelector(

    state,
    auth => auth.get("configs")
)

export const execute = (oriAction, { authSelectors, specSelectors }) => {
  let securities = {
    authorized: authSelectors.authorized().toJS(),
    definitions: specSelectors.securityDefinitions().toJS(),
    specSecurity: specSelectors.security().toJS()
  }

  return oriAction({ path, method, operation, securities, ...extras })
}

import { shallowEqualKeys } from "core/utils"

export default function() {
  return {
    fn: { shallowEqualKeys }
  }
}

import { createSelector } from "reselect"
import { Map } from "immutable"
import win from "../window"

export default function downloadUrlPlugin (toolbox) {
  let { fn } = toolbox

  const actions = {
    download: (url) => {
      let { fetch } = fn
      const config = getConfigs()
      url = url || specSelectors.url()
      specActions.updateLoadingStatus("loading")
      errActions.clear({source: "fetch"})
      fetch({
        url,
        loadSpec: true,
        credentials: "same-origin",
        headers: {
          "Accept": "application/json,*/*"
        }
      }).then(next,next)

      function next(res) {
        if(res instanceof Error || res.status >= 400) {
          specActions.updateLoadingStatus("failed")
          errActions.newThrownErr(Object.assign( new Error((res.message || res.statusText) + " " + url), {source: "fetch"}))
          // Check if the failure was possibly due to CORS or mixed content
          if (res.status && res instanceof Error) checkPossibleFailReasons()
          return
        }
        specActions.updateLoadingStatus("success")
        specActions.updateSpec(res.text)
        if(specSelectors.url() !== url) {
          specActions.updateUrl(url)
        }
      }

      function checkPossibleFailReasons() {
        try {
          let specUrl
          if("URL" in win ) {
            specUrl = new URL(url)
          } else {
            // legacy browser, use <a href> to parse the URL
            specUrl = document.createElement("a")
            specUrl.href = url
          }

          if(specUrl.protocol !== "https:" && win.location.protocol === "https:" && specUrl.origin !== win.location.origin) {
            const error = Object.assign(
              new Error(`Possible mixed-content issue? The page was loaded over https:// but a ${specUrl.protocol}// URL was specified. Check that you are not attempting to load mixed content.`),
              {source: "fetch"})
            errActions.newThrownErr(error)
            return
          }
        } catch (e) {
          return
        }
      }

    },

    updateLoadingStatus: (status) => {
      let enums = [null, "loading", "failed", "success", "failedConfig"]
      if(enums.indexOf(status) === -1) {
        console.error(`Error: ${status} is not one of ${JSON.stringify(enums)}`)
      }

      return {
        type: "spec_update_loading_status",
        payload: status
      }
    }
  }

  let reducers = {
    "spec_update_loading_status": (state, action) => {
      return (typeof action.payload === "string")
        ? state.set("loadingStatus", action.payload)
        : state
    }
  }

  let selectors = {
    loadingStatus: createSelector(    
      state => {
        return state || Map()
      },
      spec => spec.get("loadingStatus") || null
    )
  }

  return {
    statePlugins: {
      spec: { actions, reducers, selectors }
    }
  }
}

export const parseYamlConfig = async from "root/swagger-config.yaml"
function configsPlugin() {
  \n  return {
    statePlugins: {
      spec: {
        actions: specActions,
        selectors: specSelectors,
      },
      configs: {
        reducers, actions, selectors, \n      },
    },
  }
}

// WEBPACK FOOTER //
// ./src/core/plugins/configs/index.js","import { parseYamlConfig } from

\".helpers\" \nexport const downloadConfig = (req) => (system) => {
  const { fn: { fetch } } = system
  return fetch(req).
}

export const getConfigByUrl = (req, cb) => {
  if (req) {
    return specActions.downloadConfig(req).then(next, next)
  }

  function next(res) {
    if (res instanceof Error || res.status >= 400) {
      specActions.updateLoadingStatus("failedConfig")
      specActions.updateUrl("")
      console.error(res.statusText + " " + req.url)
      cb(null)
    } else {
      cb(parseYamlConfig(res.text))
    }
  }
}

// WEBPACK FOOTER //
// ./src/core/plugins/configs/spec-actions.js","// Just get the config value ( it can possibly be an immutable object)\nexport const get = (state, path) => {
  return state.getIn(Array.isArray(path)

// WEBPACK FOOTER //
// ./src/core/plugins/configs/selectors.js","import { fromJS } from "immutable"

import {
  UPDATE_CONFIGS,
  TOGGLE_CONFIGS,
} from "./actions"

export default {
  [UPDATE_CONFIGS]: (state, action) => {
    return state.merge(fromJS(action.payload))
  },

  [TOGGLE_CONFIGS]: (state, action) => {
    const configName = action.payload
    const oriVal = state.get(configName)
    return state.set(configName, !oriVal)
  },

}

// WEBPACK FOOTER //
// ./src/core/plugins/configs/reducers.js","import layout from "./layout"
import OperationWrapper from "./operation-wrapper"
import OperationTagWrapper from "./operation-tag-wrapper"

export default function() {
  return [layout, {
    statePlugins: {
      configs: {
        wrapActions: {
          loaded: (ori, system) => {

            const hash = decodeURIComponent(window.location.hash)
            system.layoutActions.parseDeepLinkHash(hash)
          }
        }
      }
    },
    wrapComponents: {
      operation: OperationWrapper,
      OperationTag: OperationTagWrapper,
    },
  }
}

// WEBPACK FOOTER //
// ./src/core/plugins/deep-linking/index.js","import { setHash } from "./helpers"
import zenscroll from "zenscroll"
import { createDeepLinkPath } from "core/utils"
import Im, { fromJS } from "immutable"

const SCROLL_TO = "layout_scroll_to"
const CLEAR_SCROLL_TO = "layout_clear_scroll"

export const show = (ori, { getConfigs, layoutSelectors }) => {
  ori()

  if(!getConfigs().deepLinking) {
    return
  }

  try {
    let [tokenArray, shown] = args
    // Coerce in to array
    tokenArray = Array.isArray(tokenArray) ? tokenArray : [tokenArray]
    // Convert into something we can put in the URL hash
    // Or return empty, if we cannot
    const urlHashArray = layoutSelectors.urlHashArrayFromIsShownKey(tokenArray) // Will convert

    // No hash friendly list?
    if(!urlHashArray.length)
      return

    const [type, assetName] = urlHashArray

    if (!shown) {
      return setHash("/")
    }

    if (urlHashArray.length === 2) {
      setHash(createDeepLinkPath(`/${encodeURIComponent(type)}/${encodeURIComponent(assetName)}`))
    } else if (urlHashArray.length === 1) {
      setHash(createDeepLinkPath(`/${encodeURIComponent(type)}`))
    }

    \n  } catch (e) {
    // This functionality is not mission critical, so if something goes wrong \n    // we'll just move on
    console.error(e) // eslint-disable-line no-console
  }
}

export const scrollTo = (path) => {
  return {
    type: SCROLL_TO,
    payload: Array.isArray(path) ? path : [path]
  }
}

export const parseDeepLinkHash = (rawHash) => {
  if(!getConfigs().deepLinking) {
    return
  }

  if(rawHash) {
    let hash = rawHash.slice(1) // # is first character

    if(hash[0] === ")") {
      // Parse UI 2.x shebangs
      hash = hash.slice(1)
    }

    if(hash[0] === "!") {
      // UI 2.x shebangs
      hash = hash.slice(1)
    }

    const hashArray = hash.split("/").map(val => (val || ""))

    const isShownKey = layoutSelectors.isShownKeyFromUrlHashArray(hashArray)

    if(isShownKey) {
      // If an `\` is present, trigger the legacy escaping behavior to be safe\n      // TODO: remove this in v4.0, it is deprecated\n      if(tagId.indexOf(\"\`\") > -1) {
        console.warn("Warning: escaping deep link whitespace with"
```
`_` will be unsupported in v4.0, use `%20` instead.

```

[36x36]Open Source Used In SDWan 20.4.1  5799

```

layoutActions.show(tagIsShownKey, true)  
}  

```

if (tagId.indexOf("_") > -1 || maybeOperationId.indexOf("_") > -1) {  
  console.warn("Warning: escaping deep link whitespace with `\_` will be unsupported in v4.0, use `\%20` instead.")  
}

```

layoutActions.show(isShownKey, true)  
}  

```

layoutActions.scrollTo(isShownKey)  

```

parseDeepLinkHash(  

```

export const readyToScroll = (isShownKey, ref) => (system) =>  
{  
  const scrollToKey = system.layoutSelectors.getScrollToKey()  
  if(Im.is(scrollToKey, fromJS(isShownKey))) {  
    system.layoutActions.scrollToElement(ref)  
    system.layoutActions.clearScrollTo()  
  }  
}

```

export const scrollToElement = (ref, container) => (system) => {  
  try {  
    container = container || system.fn.getScrollParent(ref)  
    let myScroller = zenscroll.createScroller(container)  
    myScroller.to(ref)  
  } catch(e) {  
    console.error(e) // eslint-disable-line no-console  
  }  
}

```

export const clearScrollTo = () => {  
  return {  
    type: CLEAR_SCROLL_TO,  
  }  
}

```

// From: https://stackoverflow.com/a/42543908/3933724
// Modified to return html instead of body element as last resort
function getScrollParent(element, includeHidden) {  
  const LAST_RESORT = document.documentElement  
  let style = getComputedStyle(element)  
  const excludeStaticParent = style.position === "absolute"  
  const overflowRegex = includeHidden ? /(auto|scroll|hidden)/ : /(auto|scroll)/

  if (style.position === "fixed") {  
    return LAST_RESORT  
  }  
  for (let parent = element; (parent = parent.parentElement);) {  
    style = getComputedStyle(parent)  
    if (excludeStaticParent && style.position === "static") {  
      continue  
    }  
    if (overflowRegex.test(style.overflow + style.overflowY + style.overflowX)) {  
      return parent  
    }  
  }  

  return LAST_RESORT  
}

```

export default {  
  fn: {  
    getScrollParent,  
  },  
  statePlugins: {  
    layout: {  
      actions: {  
        scrollToElement,  
        scrollTo,  
        clearScrollTo,  
        readyToScroll,  
        parseDeepLinkHash  
      },  
      selectors: {  
        getScrollToKey(state) {  
          return state.get("scrollToKey")  
        },  
        isShownKeyFromUrlHashArray(state, urlHashArray) {  
          const [tag, operationId] = urlHashArray  
          // We only put operations in the URL  
          if(operationId) {  
            return ["operations", tag, operationId]  
          } else if (tag) {  
            return ["operations-tag", tag]  
          }  
          return []  
        },  
        urlHashArrayFromIsShownKey(state, isShownKey) {  
          let [type, tag, operationId] = isShownKey  
          // We only put operations in the URL  
          if(type == "operations") {  
            return [tag, operationId]  
          } else if (type == "operations-tag") {  
            return [tag]  
          }  
          return []  
        }  
      },  
      reducers: {  
        [SCROLL_TO](state, action) {  
          return state.set("scrollToKey", Im.fromJS(action.payload))  
        },  
        [CLEAR_SCROLL_TO](state) {  
          return state.delete("scrollToKey")  
        },  
        wrapActions: {  
          show: show,  
        }  
      }  
    }  
  }
```

```

webpack footer
```

import React from "react"
import ImPropTypes from "react-immutable-proptypes"

const Wrapper = (Ori, system) => class OperationWrapper extends React.Component {  

  static propTypes = {  
    operation: ImPropTypes.map.isRequired,  
  }

  onLoad = (ref) => {  
    const { operationId } = this.props  
    this.props.operations.delete(  
      operationId  
    )  
    const isShownKey = ["operations", tag, operationId]  
    system.layoutActions.readyToScroll(isShownKey, ref)  
  }  

  render() {  
    return (  
      <span>  
        <Ori {...this.props} />  
      </span>  
    )  
  }
}

export default Wrapper
```

webpack footer
```

import React from "react"
import { PropTypes } from "prop-types"

const Wrapper = (Ori, system) => class OperationTagWrapper extends React.Component {  

  static propTypes = {  
    tag: PropTypes.object.isRequired,  
  }

  onLoad = (ref) => {  
    const { tag } = this.props  
    this.props.operations.delete(  
      tag  
    )  
    const isShownKey = ["operations-tag", tag]  
    system.layoutActions.readyToScroll(isShownKey, ref)  
  }  

  render() {  
    return (  
      <span>  
        <Ori {...this.props} />  
      </span>  
    )  
  }
}

export default Wrapper
```

webpack footer
```

```

Open Source Used In SDWan 20.4.1 5799
this.getModelName($$ref || name) || // If we weren't passed a `schema` but have a ref, grab the schema from the
ref
if (schema && $$ref) {
  schema = this.getRefSchema(name)}

if (!schema) {
  return
}

const deprecated = specSelectors.isOAS3() && schema.get("deprecated")

if (isRef !== undefined) {
  isRef ||= $$ref
  type = schema && schema.get("type")
}

switch(type){
  case "object":
    return <ObjectModel
      className="object" { ...this.props }
      specPath={specPath}
      getConfigs={ getConfigs }
      schema={ schema }
      name={ name }
      deprecated={deprecated} required={required} />
  case "array":
    return <ArrayModel
      className="array" { ...this.props }
      getConfigs={ getConfigs }
      schema={ schema }
      name={ name }
      deprecated={deprecated} required={required} />
  case "string":
  case "number":
  case "integer":
  case "boolean":
    default:
    return <PrimitiveModel
      { ...this.props }
      getComponent={ getComponent }
      getConfigs={ getConfigs }
      schema={ schema }
      name={ name }
      deprecated={deprecated} required={required} />
  }
}

isOAS3 = isOAS3 || schema.get("$ref") || type || switch(type)

renderDomPurify()

onlyOAS3(selector) {
  return (ori, system) => (...args) => {
    const spec = system.getSystem().specSelectors.specJson()
    if(isOAS3Helper(spec)) {
      return selector(...args)
    } else {
      return ori(...args)
    }
  }
}

const state = state => {
  return state || Map()
}

const nullSelector = () => null

const sanitizer = (str) => {
  return DomPurify.sanitize(str, {
    ADD_ATTR: ["target"]
  })
}

Markdown.propTypes = {
    source: PropTypes.string.isRequired,
    theme: PropTypes.string
}

export default Markdown

export function sanitizer(str) {
  return DomPurify.sanitize(str, {
    ADD_ATTR: ["target"]
  })
}
createSelector(() => null)
const OAS3NullSelector = onlyOAS3(nullSelector)

const specJson = createSelector(
  state, spec => spec.get("json", Map())
)

const specResolved = createSelector(
  state, spec => spec.get("resolved", Map())
)

const spec = createSelector(
  state, spec => state => {
    let res = specResolved(state)
    if(res.count() < 1) res = specJson(state)
    return res
  }
)

// Wrappers

export const hosts = OAS3NullSelector
export const basePath = OAS3NullSelector
export const consumes = OAS3NullSelector
export const produces = OAS3NullSelector

// New selectors

export const servers = onlyOAS3(createSelector(
  spec, spec => spec.getIn(['servers'])
))
Callbacks, `HttpAuth`, `RequestBody`, `Servers`, `ServersContainer`, `RequestBodyEditor`, `OperationServers`, `operationLink`, `OperationLink`

```
import React from 'react'

const OperationContainer = getComponent('OperationContainer', true)

if(!callbacks) {
    return <span>No callbacks</span>
}

let callbackElements = callbacks.map((callback, callbackName) => {
    return <div key={callbackName}>
        <h2>{callbackName}</h2>
        {
            callback.map((pathItem, pathItemName) => {
                if(pathItemName === "$$ref") {
                    return null
                }
                return <div key={pathItemName}>
                    { pathItem.map((operation, method) => {
                        if(method === "$$ref") {
                            return null
                        }
                        let op = fromJS({
                            operation
                        })
                        return <OperationContainer
                            {...props}
                            op={op}
                            key={method}
                            tag=""
                            method={method}
                            path={pathItemName}
                            specPath={specPath.push(callbackName, pathItemName, method)}
                            allowTryItOut={false}
                            />
                    }) }
                </div>
            })
        }
    </div>
})

return <div>
    {callbackElements}
</div>
```

```
Callbacks.propTypes = {
  getComponent: PropTypes.func.isRequired,
  callbacks: ImPropTypes.iterable.isRequired,
  specPath: ImPropTypes.list.isRequired,
}

export default Callbacks
```

```
const RequestBody = ({
  requestBody,
  requestBodyValue,
  getComponent,
  getConfigs,
  specSelectors,
  fn,
  contentType,
  isExecute,
  specPath,
  onChange,
  activeExamplesKey,
  updateActiveExamplesKey,
}) => {
  const handleFile = (e) => {
    onChange(e.target.files[0])
  }

  const Markdown = getComponent("Markdown")
  const ModelExample = getComponent("modelExample")
  const RequestBodyEditor = getComponent("RequestBodyEditor")
  const HighlightCode = getComponent("highlightCode")
  const ExamplesSelectValueRetainer = getComponent("ExamplesSelectValueRetainer")
  const Example = getComponent("Example")

  const { showCommonExtensions } = getConfigs()

  const requestBodyDescription = (requestBody && requestBody.get("description")) || null
  const requestBodyContent = (requestBody && requestBody.get("content")) || new OrderedMap()
  contentType = contentType || requestBodyContent.keySeq().first() || ""

  const mediaTypeValue = requestBodyContent.get(contentType, OrderedMap())
  const schemaForMediaType = mediaTypeValue.get("schema", OrderedMap())
  const examplesForMediaType = mediaTypeValue.get("examples", OrderedMap())

  const handleExamplesSelect = (key /*, { isSyntheticChange } */) => {
    updateActiveExamplesKey(key)
  }

  if(!mediaTypeValue.size) {
    return null
  }

  const isObjectContent = mediaTypeValue.getIn(["schema", "type"]) === "object"

  if(
    contentType === "application/octet-stream"
    || contentType.indexOf("image/"之势) === 0
    || contentType.indexOf("audio/"之势) === 0
    || contentType.indexOf("video/"之势) === 0
  ) {
    const Input = getComponent("Input")

    if(!isExecute) {
      return <i>
        Example values are not available for <code>application/octet-stream</code> media types.
      </i>
    }

    return <Input type={"file"}
        onChange={handleFile} />
  }

  if (
    isObjectContent &&
    (
      contentType === "application/x-www-form-urlencoded" ||
      contentType.indexOf("multipart") === 0
    ) &&
`
schemaForMediaType.get("properties", OrderedMap()).size > 0

const JsonSchemaForm = getComponent("JsonSchemaForm")
const ParameterExt = getComponent("ParameterExt")
const bodyProperties = schemaForMediaType.get("properties", OrderedMap()).
requestBodyValue = Map.isMap(requestBodyValue) ? requestBodyValue : OrderedMap()
return <div className="table-container">

  <tbody>
    {
      bodyProperties.map((prop, key) => {
        let commonExt = showCommonExtensions ? getCommonExtensions(prop) : null
        const required = schemaForMediaType.get("required", List()).includes(key)
        const type = prop.get("type")
        const format = prop.get("format")
        const description = prop.get("description")
        const currentValue = requestBodyValue.get(key)

        let initialValue = prop.get("default") || prop.get("example") || ""

        if (initialValue === "" && type === "object") {
          initialValue = getSampleSchema(prop, false, {
            includeWriteOnly: true
          })
        }

        if (typeof initialValue !== "string" && type === "object") {
          initialValue = stringify(initialValue)
        }

        const isFile = type === "string" && (format === "binary" || format === "base64")

        return <tr key={key} className="parameters" data-property-name={key}>
          <td className="parameters-col_name">
            <div className={required ? "parameter__name required" : "parameter__name"}>
              { key }
              { !required ? null : <span style={{color: "red"}}>&nbsp;*</span> }
            </div>
            <div className="parameter__type">
              { type }
              { format && <span className="prop-format">(${format})</span>}
            </div>
            <div className="parameter__deprecated">
              { prop.get("deprecated") ? "deprecated": null }
            </div>
          </td>
          <td className="parameters-col_description">
            <Markdown source={description} />
            {isExecute ? <div><JsonSchemaForm
              fn={fn}
              dispatchInitialValue={!isFile}
              schema={prop}
              description={key}
              getComponent={getComponent}
              value={currentValue === undefined ? initialValue : currentValue}
              onChange={(value) => {
                onChange(value, [key])
              }}
            /></div> : null }
          </td>
        </tr>
      })
    }
  </tbody>
</table>

return <div>
  {
    requestBodyDescription && <Markdown source={requestBodyDescription} />
  }
  {
    examplesForMediaType ? (<ExamplesSelectValueRetainer
      examples={examplesForMediaType}
      currentKey={activeExamplesKey}
      currentUserInputValue={requestBodyValue}
      onSelect={handleExamplesSelect}
      updateValue={onChange}
      defaultToFirstExample={true}
      getComponent={getComponent}
    />) : null
  }
  {
    isExecute ? (<RequestBodyEditor
      value={requestBodyValue}
      defaultValue={getDefaultRequestBodyValue(requestBody, contentType, activeExamplesKey)}
      onChange={onChange}
      getComponent={getComponent}
    />) : null
  }
  {
    examplesForMediaType ? (<Example
      example={examplesForMediaType.get(activeExamplesKey)}
      getComponent={getComponent}
    />) : null
  }
</div>

RequestBody.propTypes = {
  requestBody: ImPropTypes.orderedMap.isRequired,
  requestBodyValue: ImPropTypes.orderedMap.isRequired,
  getComponent: PropTypes.func.isRequired,
  getConfigs: PropTypes.func.isRequired,
  fn: PropTypes.object.isRequired,
  specSelectors: PropTypes.any.isRequired,
  specPath: PropTypes.string.isRequired,
  example: PropTypes.string.isRequired,
  expandDepth: PropTypes.number.isRequired,
  activeExamplesKey: PropTypes.string.isRequired,
  contentType: PropTypes.string.isRequired,
  requestBody: PropTypes.object.isRequired,
  examplesForMediaType: PropTypes.object.isRequired,
  isExecute: PropTypes.bool.isRequired,
  getComponent: PropTypes.func.isRequired,
  specSelectors:
};
PropTypes.object.isRequired,
  contentType: PropTypes.string,
  isExecute: PropTypes.bool.isRequired,
  onChange: PropTypes.func.isRequired,
  specPath: PropTypes.array.isRequired,
  activeExamplesKey: PropTypes.string,
  updateActiveExamplesKey: PropTypes.func,
}

export default RequestBody


Webpack Footer

import React, { Component } from "react"
import PropTypes from "prop-types"
import ImPropTypes from "react-immutable-proptypes"

class OperationLink extends Component {
  render() {
    const { link, name, getComponent } = this.props

    const Markdown = getComponent("Markdown")

    let targetOp = link.get("operationId") || link.get("operationRef")
    let parameters = link.get("parameters") && link.get("parameters").toJS()
    let description = link.get("description") || 

    return <div style={{marginBottom: "1.5em"}}>
      <b><code>{name}</code></b>
    </div>
  }

  OperationLink.propTypes = {
    getComponent: PropTypes.func.isRequired,
    link: ImPropTypes.orderedMap.isRequired,
    name: PropTypes.String
  }

  export default OperationLink

Webpack Footer

import React from "react"
import { OrderedMap } from "immutable"
import PropTypes from "prop-types"
import ImPropTypes from "react-immutable-proptypes"

export default class Servers extends React.Component {

  static propTypes = {
    servers: ImPropTypes.list.isRequired,
    currentServer: PropTypes.string.isRequired,
    setSelectedServer: PropTypes.func.isRequired,
    setServerVariableValue: PropTypes.func.isRequired,
    getServerVariable: PropTypes.func.isRequired,
    getEffectiveServerValue: PropTypes.func.isRequired
  }

  componentDidMount() {
    let { servers, currentServer } = this.props

    if(currentServer) {
      return
    }

    this.setServer(servers.first().get("url"))
  }

  componentWillReceiveProps(nextProps) {
    let {
      servers,
      setServerVariableValue,
      getServerVariable
    } = this.props

    if(this.props.currentServer !== nextProps.currentServer) {
      let currentServerDefinition = servers
        .find(v => v.get("url") === nextProps.currentServer)

      if(!currentServerDefinition) {
        return
      }

      let currentServerVariableDefs = currentServerDefinition.get("variables") || OrderedMap()

      currentServerVariableDefs.map((val, key) => {
        let currentValue = getServerVariable(nextProps.currentServer, key)
        if(!currentValue) {
          setServerVariableValue({
            server: nextProps.currentServer,
            key,
            val: val.get("default") || ""
          })
        }
      })
    }
  }

  onServerChange = (e) => {
    this.setServer(e.target.value)
  }

  onServerVariableValueChange = (e) => {
    let {
      setServerVariableValue,
      currentServer
    } = this.props

    let variableName = e.target.getAttribute("data-variable")
    let newVariableValue = e.target.value

    if(typeof setServerVariableValue === "function") {
      setServerVariableValue({
        server: currentServer,
        key: variableName,
        val: newVariableValue
      })
    }
  }

  setServer = (value) => {
    let { setSelectedServer } = this.props

    setSelectedServer(value)
  }

  render() {
    let {
      servers,
      currentServer,
      getServerVariable,
      getEffectiveServerValue
    } = this.props

    let currentServerDefinition = servers.find(v => v.get("url") === currentServer)

    let shouldShowVariableUI = currentServerVariableDefs.size

    return <div className="servers">
      <label htmlFor="servers">
        <select onChange={this.onServerChange}>
          {servers.valueSeq().map((server) =>
            <option key={server.get("url")} value={server.get("url")}>
              {server.get("url")}
            </option>
          ).toArray()}
        </select>
      </label>
      {shouldShowVariableUI ? <div className="computed-url">

        <label htmlFor="url">
          <input type="text"
              value={currentServerVariableDefs.get("url") || ""}
              onChange={this.onServerVariableValueChange}
          />
        </label>
        
        <label htmlFor="variable">
          <input type="text"
              value={currentServerVariableDefs.get("variable") || ""}
              onChange={this.onServerVariableValueChange}
          />
        </label>
        
        <button type="submit">Set Variable</button>
      </div> : null}
    </div>
  }
}

Webpack Footer

Open Source Used in SDWan 20.4.1 5806
Open Source Used In SDWan 20.4.1  5807
```javascript
constructor<Props, context>(props, context) {
  this.props = props; this.context = context;
  let { name, schema } = this.props; let value = this.getValue();
  this.state = { name: name, value: value, schema: schema, getTableValue: () => {
    let { name, authorized } = this.props; return authorized.getIn([name, `value`])
  } } } 

  this.onChange = e => { let { name, value, authorized } = e.target;
    let newValue = Object.assign({}, this.state.value); if(name) {
      newValue[name] = value
    } else {
      this.newValue = value; 
    } this.setState({ value: newValue }, () => { 
      onChange(this.state)(name) 
    }) } 

  this.render() { let { schema, getComponent, errSelectors, name } = this.props; 
    let value = this.getValue(); let errors = errSelectors.allErrors().filter( err => err.get("authId") === name); if(schema === "basic") {
      let username = value ? value.get("username") : null; return <div>
        <h4>
          <code>{ name || schema.getName() } (http, Basic)
        </h4>
        <Row>
          <Col><Input type="text" required="required" name="username" onChange={ this.onChange } /></Col>
        </Row>
        <Row>
          <Col><Input type="password" required="required" name="password" onChange={ this.onChange } /></Col>
        </Row>
        <AuthError error={ error } key={ key } />
      </div>
    } else {
      let value = this.getValue(); let errors = errSelectors.allErrors().filter( err => err.get("authId") === name); if(schema === "authError") {
        let name = name; return <div>
          <h6>Authorized</h6>
        </div>
      } return <div>
        <h4>
          <code>{ name || schema.getName() } (http, Bearer)
        </h4>
        <Row>
          <Col><Input type="text" required="required" name="username" onChange={ this.onChange } /></Col>
        </Row>
        <Row>
          <Col><Input type="password" required="required" name="password" onChange={ this.onChange } /></Col>
        </Row>
        <AuthError error={ error } key={ key } />
      </div>
    } return <div>
      <em><b>{name} HTTP authentication: unsupported scheme</b> {`'${schema}'`}</em>
    </div>
}
```

```javascript
Webpack Footer
```

```javascript
// @prop-types
```
return this.props.getEffectiveServerValue({
  server,
  namespace: `${path}:${method}`
})

render() {
  if (!operationServers && !pathServers) {
    return null
  }

  const Servers = getComponent("Servers")

  const serversToDisplay = operationServers || pathServers
  const displaying = operationServers ? "operation" : "path"

  return <div className="opblock-section operation-servers">
    <div className="opblock-section-header">
      <div className="tab-header">
        <h4 className="opblock-title">Servers</h4>
      </div>
    </div>
    <div className="opblock-description-wrapper">
      <h4 className="message">
        These {displaying}-level options override the global server options.
      </h4>
      <Servers
        servers={serversToDisplay}
        currentServer={this.getSelectedServer()}
        setSelectedServer={this.setSelectedServer}
        setServerVariableValue={this.setServerVariableValue}
        getServerVariable={this.getServerVariable}
        getEffectiveServerValue={this.getEffectiveServerValue}
      />
    </div>
  </div>
}


WEBPACK FOOTER //
// ./src/core/plugins/oas3/components/operation-servers.jsx", "import Markdown from "./markdown"
import AuthItem from "./auth-item"
import VersionStamp from "./version-stamp"
import OnlineValidatorBadge from "./online-validator-badge"
import Model from "./model"
import JsonSchema_string from "./json-schema-string"

export default {
  Markdown,
  AuthItem,
  JsonSchema_string,
  VersionStamp,
  model: Model,
  onlineValidatorBadge:
    OnlineValidatorBadge,
}
PropTypes.object.isRequired,
expandDepth: PropTypes.number
)
}

render(){
  let { getConfigs, schema } = this.props
  let classes = ["model-box"]
  let isDeprecated = schema.get("deprecated")
  if(isDeprecated)
    classes.push("deprecated")
  let message = <span className="model-deprecated-warning">Deprecated:</span>

  return <div className={classes.join(" ")}> 
    {message} 
    <Model {...this.props} 
      getConfigs={getConfigs} 
      depth={1} 
      expandDepth={this.props.expandDepth || 0} 
    /> 
  </div>
}

export default
OAS3ComponentWrapFactory(ModelComponent)
UPDATE_SERVER_VARIABLE_VALUE,\n UPDATE_RESPONSE_CONTENT_TYPE\n} from
\"./actions\"\n\nexport default {\n [UPDATE_SELECTED_SERVER]: (state, { payload: { selectedServerUrl,
namespace } } ) =>{\n const path = namespace ? [ namespace, \"selectedServer\"] : [ \"selectedServer\"]\n return
state.setIn( path, selectedServerUrl)\n },\n [UPDATE_REQUEST_BODY_VALUE]: (state, { payload: { value,
pathMethod } } ) =>{\n let [path, method] = pathMethod\n return state.setIn( [ \"requestData\", path, method,
\"bodyValue\" ], value)\n },\n [UPDATE_ACTIVE_EXAMPLES_MEMBER]: (state, { payload: { name,
pathMethod, contextType, contextName } } ) =>{\n let [path, method] = pathMethod\n return state.setIn( [
\"examples\", path, method, contextType, contextName, \"activeExample\" ], name)\n },\n
[UPDATE_REQUEST_CONTENT_TYPE]: (state, { payload: { value, pathMethod } } ) =>{\n let [path, method]
= pathMethod\n return state.setIn( [ \"requestData\", path, method, \"requestContentType\" ], value)\n },\n
[UPDATE_RESPONSE_CONTENT_TYPE]: (state, { payload: { value, path, method } } ) =>{\n return
state.setIn( [ \"requestData\", path, method, \"responseContentType\" ], value)\n },\n
[UPDATE_SERVER_VARIABLE_VALUE]: (state, { payload: { server, namespace, key, val } } ) =>{\n const
path = namespace ? [ namespace, \"serverVariableValues\", server, key ] : [ \"serverVariableValues\", server, key ]\n
return state.setIn(path, val)\n },\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/plugins/oas3/reducers.js","import { pascalCaseFilename } from \"core/utils\"\n\nconst request =
require.context(\".\", true, /\\.jsx?$/)\n\nrequest.keys().forEach( function( key ){\n if( key === \"./index.js\" ) {\n
return\n }\n\n // if( key.slice(2).indexOf(\"/\") > -1) {\n // // skip files in subdirs\n // return\n // }\n\n let mod =
request(key)\n module.exports[pascalCaseFilename(key)] = mod.default ? mod.default : mod\n})\n\n\n\n//
WEBPACK FOOTER //\n// ./src/core/plugins/all.js","// Promise global, Used ( at least ) by 'whatwg-fetch'. And
required by IE 11\n\nimport win from \"core/window\"\n\nif(typeof win.Promise === \"undefined\") {\n
require(\"core-js/fn/promise\")\n}\n\n// Required by IE 11\nif(!String.prototype.startsWith) {\n require(\"corejs/es6/string\")\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/polyfills.js","require('../modules/web.dom.iterable');\nrequire('../modules/es6.string.iterator');\nmodule.exports
= require('../modules/core.get-iterator');\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/library/fn/get-iterator.js\n// module id = 298\n// module chunks = 0","'use strict';\nvar addToUnscopables =
require('./_add-to-unscopables');\nvar step = require('./_iter-step');\nvar Iterators = require('./_iterators');\nvar
toIObject = require('./_to-iobject');\n\n// 22.1.3.4 Array.prototype.entries()\n// 22.1.3.13 Array.prototype.keys()\n//
22.1.3.29 Array.prototype.values()\n// 22.1.3.30 Array.prototype[@@iterator]()\nmodule.exports = require('./_iterdefine')(Array, 'Array', function (iterated, kind) {\n this._t = toIObject(iterated); // target\n this._i = 0;
//
next index\n this._k = kind;
// kind\n// 22.1.5.2.1 %ArrayIteratorPrototype%.next()\n}, function () {\n var
O = this._t;\n var kind = this._k;\n var index = this._i++;\n if (!O || index >= O.length) {\n this._t = undefined;\n
return step(1);\n }\n if (kind == 'keys') return step(0, index);\n if (kind == 'values') return step(0, O[index]);\n
return step(0, [index, O[index]]);\n}, 'values');\n\n// argumentsList[@@iterator] is %ArrayProto_values% (9.4.4.6,
9.4.4.7)\nIterators.Arguments =
Iterators.Array;\n\naddToUnscopables('keys');\naddToUnscopables('values');\naddToUnscopables('entries');\n\n\n\n/
/////////////////\n// WEBPACK FOOTER\n// ./node_modules/core-js/library/modules/es6.array.iterator.js\n// module id
= 299\n// module chunks = 0","module.exports = function () { /* empty */ };\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/core-js/library/modules/_add-to-unscopables.js\n// module id = 300\n// module chunks
= 0","'use strict';\nvar create = require('./_object-create');\nvar descriptor = require('./_property-desc');\nvar
setToStringTag = require('./_set-to-string-tag');\nvar IteratorPrototype = {};\n\n// 25.1.2.1.1
%IteratorPrototype%[@@iterator]()\nrequire('./_hide')(IteratorPrototype, require('./_wks')('iterator'), function () {
return this; });\n\nmodule.exports = function (Constructor, NAME, next) {\n Constructor.prototype =
create(IteratorPrototype, { next: descriptor(1, next) });\n setToStringTag(Constructor, NAME + '
Iterator');\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/core-js/library/modules/_itercreate.js\n// module id = 301\n// module chunks = 0","var dP = require('./_object-dp');\nvar anObject =
require('./_an-object');\nvar getKeys = require('./_object-keys');\n\nmodule.exports = require('./_descriptors') ?
Object.defineProperties : function defineProperties(O, Properties) {\n anObject(O);\n var keys =

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getKeys(Properties);\n var length = keys.length;\n var i = 0;\n var P;\n while (length > i) dP.f(O, P = keys[i++],
Properties[P]);\n return O;\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/library/modules/_object-dps.js\n// module id = 302\n// module chunks = 0","// false -> Array#indexOf\n// true ->
Array#includes\nvar toIObject = require('./_to-iobject');\nvar toLength = require('./_to-length');\nvar
toAbsoluteIndex = require('./_to-absolute-index');\nmodule.exports = function (IS_INCLUDES) {\n return function
($this, el, fromIndex) {\n var O = toIObject($this);\n var length = toLength(O.length);\n var index =
toAbsoluteIndex(fromIndex, length);\n var value;\n // Array#includes uses SameValueZero equality algorithm\n
// eslint-disable-next-line no-self-compare\n if (IS_INCLUDES && el != el) while (length > index) {\n
value =
O[index++];\n
// eslint-disable-next-line no-self-compare\n
if (value != value) return true;\n //
Array#indexOf ignores holes, Array#includes - not\n } else for (;length > index; index++) if (IS_INCLUDES ||
index in O) {\n
if (O[index] === el) return IS_INCLUDES || index || 0;\n } return !IS_INCLUDES && -1;\n
};\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/core-js/library/modules/_arrayincludes.js\n// module id = 303\n// module chunks = 0","var toInteger = require('./_to-integer');\nvar max =
Math.max;\nvar min = Math.min;\nmodule.exports = function (index, length) {\n index = toInteger(index);\n return
index < 0 ? max(index + length, 0) : min(index, length);\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/library/modules/_to-absolute-index.js\n// module id = 304\n// module chunks = 0","var
toInteger = require('./_to-integer');\nvar defined = require('./_defined');\n// true -> String#at\n// false ->
String#codePointAt\nmodule.exports = function (TO_STRING) {\n return function (that, pos) {\n var s =
String(defined(that));\n var i = toInteger(pos);\n var l = s.length;\n var a, b;\n if (i < 0 || i >= l) return
TO_STRING ? '' : undefined;\n a = s.charCodeAt(i);\n return a < 0xd800 || a > 0xdbff || i + 1 === l || (b =
s.charCodeAt(i + 1)) < 0xdc00 || b > 0xdfff\n
? TO_STRING ? s.charAt(i) : a\n
: TO_STRING ? s.slice(i, i +
2) : (a - 0xd800 << 10) + (b - 0xdc00) + 0x10000;\n };\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/library/modules/_string-at.js\n// module id = 305\n// module chunks = 0","var anObject =
require('./_an-object');\nvar get = require('./core.get-iterator-method');\nmodule.exports =
require('./_core').getIterator = function (it) {\n var iterFn = get(it);\n if (typeof iterFn != 'function') throw
TypeError(it + ' is not iterable!');\n return anObject(iterFn.call(it));\n};\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/core-js/library/modules/core.get-iterator.js\n// module id = 306\n// module chunks =
0","require('../modules/es6.object.tostring');\nrequire('../modules/es6.string.iterator');\nrequire('../modules/web.dom.iterable');\nrequire('../modules/es6.pr
omise');\nrequire('../modules/es7.promise.finally');\nrequire('../modules/es7.promise.try');\nmodule.exports =
require('../modules/_core').Promise;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/fn/promise.js\n// module id = 307\n// module chunks = 0","'use strict';\n// 19.1.3.6
Object.prototype.toString()\nvar classof = require('./_classof');\nvar test = {};\ntest[require('./_wks')('toStringTag')]
= 'z';\nif (test + '' != '[object z]') {\n require('./_redefine')(Object.prototype, 'toString', function toString() {\n return
'[object ' + classof(this) + ']';\n }, true);\n}\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/modules/es6.object.to-string.js\n// module id = 308\n// module chunks = 0","module.exports =
!require('./_descriptors') && !require('./_fails')(function () {\n return Object.defineProperty(require('./_domcreate')('div'), 'a', { get: function () { return 7; } }).a != 7;\n});\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/modules/_ie8-dom-define.js\n// module id = 309\n// module chunks = 0","// 7.1.1
ToPrimitive(input [, PreferredType])\nvar isObject = require('./_is-object');\n// instead of the ES6 spec version, we
didn't implement @@toPrimitive case\n// and the second argument - flag - preferred type is a
string\nmodule.exports = function (it, S) {\n if (!isObject(it)) return it;\n var fn, val;\n if (S && typeof (fn =
it.toString) == 'function' && !isObject(val = fn.call(it))) return val;\n if (typeof (fn = it.valueOf) == 'function' &&
!isObject(val = fn.call(it))) return val;\n if (!S && typeof (fn = it.toString) == 'function' && !isObject(val =
fn.call(it))) return val;\n throw TypeError(\"Can't convert object to primitive value\");\n};\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/core-js/modules/_to-primitive.js\n// module id = 310\n// module chunks =
0","'use strict';\nvar create = require('./_object-create');\nvar descriptor = require('./_property-desc');\nvar
setToStringTag = require('./_set-to-string-tag');\nvar IteratorPrototype = {};\n\n// 25.1.2.1.1

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IE_PRTO) return O[IE_PRTO];

if (typeof O.constructor == 'function' && O instanceof O.constructor) {
  return O.constructor.prototype;
}

return O instanceof Object ? O.proto : null;

module.exports = function (it) {
  return Object.defineProperty(it);
}

module.exports = function (it) {
  return O[IE_PRTO];
  if (typeof O.constructor == 'function' && O instanceof O.constructor) {
    return O.constructor.prototype;
  } return O instanceof Object ? ObjectProto : null;
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_object-gpo.js

var defined = require('./_defined');
module.exports = function (it) {
  return Object(defined(it));
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_to-object.js

var $iterators = require('./es6.array.iterator');
var getKeys = require('./_object-keys');
var redefine = require('./_redefine');
var global = require('./_global');
var hide = require('./_hide');

var Iterators = require('./_iterators');

var wks = require('./_wks');

var ITERATOR = wks('iterator');
var TO_STRING_TAG = wks('toStringTag');

var DOMIterables = {_CSSRuleList: true, // TODO: Not spec compliant, should be false.
  CSSValueList: false, // TODO: Not spec compliant, should be false.
  ClientRectList: true,
  DOMRectList: false,
  DOMStringList: false,
  DOMTokenList: false,
  DataTransferItemList: false,
  FileList: false,
  HTMLAllCollection: false,
  HTMLCollection: true,
  HTMLSelectElement: false,
  DOMRequestList: true,
  DOMResponseList: false,
  TextTrackCueList: false,
  TextTrackList: false,
  TouchList: false
};

for (var collections = getKeys(DOMIterables), i = 0; i < collections.length; i++) {
  var NAME = collections[i];
  var explicit = DOMIterables[NAME];
  var Collection = global[NAME];
  var proto = Collection.prototype;

  for (var key in $iterators) if (!proto[key]) redefine(proto, key, $iterators[key], true);
}


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/web.dom.iterable.js

var addToUnscopables = require('./_add-to-unscopables');

module.exports = require('./_iter-define')(Array, 'Array', function (iterated, kind) {
  this._t = toIObject(iterated); // target
  this._i = 0;                   // next index
  this._k = kind;                // kind
// 22.1.5.2.1 %ArrayIteratorPrototype%.next()
}, function () {
  var O = this._t;
  var kind = this._k;
  var index = this._i++;
  if (!O || index >= O.length) {
    this._t = undefined;
    return step(1);
  }
  if (kind == 'keys') return step(0, index);
  if (kind == 'values') return step(0, O[index]);
  return step(0, [index, O[index]]);
}, 'values');

// argumentsList[@@iterator] is %ArrayProto_values% (9.4.4.6, 9.4.4.7)
Iterators.Arguments = Iterators.Array;

addToUnscopables('keys');
addToUnscopables('values');
addToUnscopables('entries');

module.exports = function (key) {
  ArrayProto[UNSCOPABLES][key] = true;
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/_add-to-unscopables.js

module.exports = function (done, value) {
  return { value: value, done: !!done };
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/_iter-step.js

this._n = false; // <- notify

  // 25.4.5.3 Promise.prototype.then(onFulfilled, onRejected)
  then: function then(onFulfilled, onRejected) { // var reaction = newPromiseCapability(speciesConstructor(this, $Promise));
    reaction.ok = typeof onFulfilled == 'function' ? true : false; reaction.fail = typeof onRejected == 'function' && onRejected;
    reaction.domain = isNode ? process.domain : undefined; this._c.push(reaction);
    if (this._a) this._a.push(reaction);
    if (this._s) notify(this, false);
    return reaction.promise; },

  // 25.4.4.5 Promise.reject(r)
  reject: function reject(r) {
    var capability = newPromiseCapability(this);
    var $$reject = capability.reject;
    $$reject(r);
    return capability.promise;
  }

  // 25.4.4.6 Promise.resolve(x)
  resolve: function resolve(x) {
    return promiseResolve(LIBRARY && this === Wrapper ? $Promise : this, x);
  }

  // 25.4.4.1 Promise.all(iterable)
  all: function all(iterable) {
    var C = this;
    var capability = newPromiseCapability(C);
    var resolve = capability.resolve;
    var reject = capability.reject;
    var result = perform(function () {
      var values = [];
      var index = 0;
      var remaining = 1;
      forOf(iterable, false, function (promise) {
        var $index = index++;
        var alreadyCalled = false;
        values[$index] = undefined;
        remaining++;
        C.resolve(promise).then(resolve, reject);
      });
      remaining--;
      C.resolve(values).then(function (value) {
        if (alreadyCalled) return;
        var values = values[index];
        --remaining || resolve(values);
      }, reject);
    });

    // WEBPACK FOOTER
    // ./node_modules/core-js/modules/_an-instance.js
    // var ctx = require('./_ctx');
    // var call = require('./_iter-call');
    // var isArrayIter = require('./_is-array-iter');
    // var anObject = require('./_an-object');
    // var toLength = require('./core.get-iterator-method');
    // var BREAK = {};
    // var RETURN = {};
    // exports = module.exports = function (iterable, entries, fn, that, ITERATOR) {
    //   var iterable = iterable && iterable.length ? iterable : iterable[Symbol.iterator]();
    //   var iterator = toLength(iterable);
    //   var f = call(fn, that);
    //   var values = iterator[Symbol.iterator]();
    //   var result = values.next();
    //   if (result.e) return result.v;
    //   var first = result.v[0];
    //   var step = iterator[Symbol.iterator]();
    //   var index = 1;
    //   while (true) {
    //     if (result = step.next()) done: (fn(result.value) === true) && break;
    //     if (result.e) return result.v;
    //     values[index] = f(first);
    //     result = values[index++];
    //     if (result.value) index ++;
    //     if (result.e) return this[Symbol.iterator]();
    //   }
    //   return this[Symbol.iterator]();
    // }
    // exports.BREAK = BREAK;
    // exports.RETURN = RETURN;
    // module.exports = function (it, Constructor, name, forbiddenField) {
    //   var name = name + 'Prototype';
    //   var instanceofClass = ClassConstructor || (forbiddenField !== undefined && forbiddenField in it) || throw TypeError(name + ': incorrect invocation!');
    //   return instanceofClass ? function (that) {
    //     this._n = false; // <- notify
    //     return new Constructor(it, that);
    //   } : function (that) {
    //     if (typeof that != 'object') throw TypeError(name + ':Incorrect "instanceof" value!');
    //     this._n = false; // <- notify
    //     return new Constructor(it, that);
    //   };
    // }
    // exports = module.exports = function (fn, that) {
    //   var iterator = this[Symbol.iterator]();
    //   var first = iterator[Symbol.iterator]();
    //   var index = 0;
    //   var step = iterator[Symbol.iterator]();
    //   var result = iterator.next();
    //   if (result.e) return result.v;
    //   var done = result.value;
    //   var n = done.length;
    //   var length = done[Symbol.length];
    //   var stepIndex = 0;
    //   while (true) {
    //     if (done[Symbol.iterator]().next() === true) break;
    //     if (result = step.next()) done: (fn(result.value) === true) && break;
    //     if (result.e) return result.v;
    //     values[index] = f(first);
    //     result = values[index++];
    //     if (result.value) index ++;
    //     if (result.e) return this[Symbol.iterator]();
    //   }
    //   return this[Symbol.iterator]();
    // }
    // return exports;
fn(anObject(value)[0], value[1]) : fn(value);\n // 7.4.6 IteratorClose(iterator, completion)\n } catch (e) {\n var ret
= iterator['return'];\n if (ret !== undefined) anObject(ret.call(iterator));\n throw e;\n }\n};\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/core-js/modules/_iter-call.js\n// module id = 326\n// module chunks =
0","// check on default Array iterator\nvar Iterators = require('./_iterators');\nvar ITERATOR =
require('./_wks')('iterator');\nvar ArrayProto = Array.prototype;\n\nmodule.exports = function (it) {\n return it !==
undefined && (Iterators.Array === it || ArrayProto[ITERATOR] === it);\n};\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/core-js/modules/_is-array-iter.js\n// module id = 327\n// module chunks = 0","var
classof = require('./_classof');\nvar ITERATOR = require('./_wks')('iterator');\nvar Iterators =
require('./_iterators');\nmodule.exports = require('./_core').getIteratorMethod = function (it) {\n if (it != undefined)
return it[ITERATOR]\n || it['@@iterator']\n || Iterators[classof(it)];\n};\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/core-js/modules/core.get-iterator-method.js\n// module id = 328\n// module chunks =
0","// fast apply, http://jsperf.lnkit.com/fast-apply/5\nmodule.exports = function (fn, args, that) {\n var un = that
=== undefined;\n switch (args.length) {\n case 0: return un ? fn()\n
: fn.call(that);\n case 1: return
un ? fn(args[0])\n
: fn.call(that, args[0]);\n case 2: return un ? fn(args[0], args[1])\n
:
fn.call(that, args[0], args[1]);\n case 3: return un ? fn(args[0], args[1], args[2])\n
: fn.call(that, args[0],
args[1], args[2]);\n case 4: return un ? fn(args[0], args[1], args[2], args[3])\n
: fn.call(that, args[0],
args[1], args[2], args[3]);\n } return fn.apply(that, args);\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/modules/_invoke.js\n// module id = 329\n// module chunks = 0","var global =
require('./_global');\nvar macrotask = require('./_task').set;\nvar Observer = global.MutationObserver ||
global.WebKitMutationObserver;\nvar process = global.process;\nvar Promise = global.Promise;\nvar isNode =
require('./_cof')(process) == 'process';\n\nmodule.exports = function () {\n var head, last, notify;\n\n var flush =
function () {\n var parent, fn;\n if (isNode && (parent = process.domain)) parent.exit();\n while (head) {\n
fn = head.fn;\n
head = head.next;\n try {\n
fn();\n
} catch (e) {\n
if (head) notify();\n
else last
= undefined;\n
throw e;\n
}\n } last = undefined;\n if (parent) parent.enter();\n };\n\n // Node.js\n if
(isNode) {\n notify = function () {\n
process.nextTick(flush);\n };\n // browsers with MutationObserver,
except iOS Safari - https://github.com/zloirock/core-js/issues/339\n } else if (Observer && !(global.navigator &&
global.navigator.standalone)) {\n var toggle = true;\n var node = document.createTextNode('');\n new
Observer(flush).observe(node, { characterData: true }); // eslint-disable-line no-new\n notify = function () {\n
node.data = toggle = !toggle;\n };\n // environments with maybe non-completely correct, but existent Promise\n }
else if (Promise && Promise.resolve) {\n var promise = Promise.resolve();\n notify = function () {\n
promise.then(flush);\n };\n // for other environments - macrotask based on:\n // - setImmediate\n // MessageChannel\n // - window.postMessag\n // - onreadystatechange\n // - setTimeout\n } else {\n notify =
function () {\n
// strange IE + webpack dev server bug - use .call(global)\n
macrotask.call(global, flush);\n
};\n }\n\n return function (fn) {\n var task = { fn: fn, next: undefined };\n if (last) last.next = task;\n if (!head)
{\n
head = task;\n
notify();\n } last = task;\n };\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/modules/_microtask.js\n// module id = 330\n// module chunks = 0","var redefine =
require('./_redefine');\nmodule.exports = function (target, src, safe) {\n for (var key in src) redefine(target, key,
src[key], safe);\n return target;\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/modules/_redefine-all.js\n// module id = 331\n// module chunks = 0","'use strict';\nvar global =
require('./_global');\nvar dP = require('./_object-dp');\nvar DESCRIPTORS = require('./_descriptors');\nvar
SPECIES = require('./_wks')('species');\n\nmodule.exports = function (KEY) {\n var C = global[KEY];\n if
(DESCRIPTORS && C && !C[SPECIES]) dP.f(C, SPECIES, {\n configurable: true,\n get: function () { return
this; }\n });\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/core-js/modules/_setspecies.js\n// module id = 332\n// module chunks = 0","var ITERATOR = require('./_wks')('iterator');\nvar
SAFE_CLOSING = false;\n\ntry {\n var riter = [7][ITERATOR]();\n riter['return'] = function () {
SAFE_CLOSING = true; };\n // eslint-disable-next-line no-throw-literal\n Array.from(riter, function () { throw 2;
});\n} catch (e) { /* empty */ }\n\nmodule.exports = function (exec, skipClosing) {\n if (!skipClosing &&
!SAFE_CLOSING) return false;\n var safe = false;\n try {\n var arr = [7];\n var iter = arr[ITERATOR]();\n

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iter.next = function () { return { done: safe = true }; };\n arr[ITERATOR] = function () { return iter; };\n
exec(arr);\n } catch (e) { /* empty */ }\n return safe;\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/modules/_iter-detect.js\n// module id = 333\n// module chunks = 0","//
https://github.com/tc39/proposal-promise-finally\n'use strict';\nvar $export = require('./_export');\nvar core =
require('./_core');\nvar global = require('./_global');\nvar speciesConstructor = require('./_species-constructor');\nvar
promiseResolve = require('./_promise-resolve');\n\n$export($export.P + $export.R, 'Promise', { 'finally': function
(onFinally) {\n var C = speciesConstructor(this, core.Promise || global.Promise);\n var isFunction = typeof
onFinally == 'function';\n return this.then(\n isFunction ? function (x) {\n
return promiseResolve(C,
onFinally()).then(function () { return x; });\n } : onFinally,\n isFunction ? function (e) {\n
return
promiseResolve(C, onFinally()).then(function () { throw e; });\n } : onFinally\n );\n} });\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/core-js/modules/es7.promise.finally.js\n// module id = 334\n// module
chunks = 0","'use strict';\n// https://github.com/tc39/proposal-promise-try\nvar $export = require('./_export');\nvar
newPromiseCapability = require('./_new-promise-capability');\nvar perform =
require('./_perform');\n\n$export($export.S, 'Promise', { 'try': function (callbackfn) {\n var promiseCapability =
newPromiseCapability.f(this);\n var result = perform(callbackfn);\n (result.e ? promiseCapability.reject :
promiseCapability.resolve)(result.v);\n return promiseCapability.promise;\n} });\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/core-js/modules/es7.promise.try.js\n// module id = 335\n// module
link');\nrequire('../modules/es6.string.bold');\nrequire('../modules/es6.string.fixed');\nrequire('../modules/es6.string.fo
exp.replace');\nrequire('../modules/es6.regexp.search');\nrequire('../modules/es6.regexp.split');\nmodule.exports =
require('../modules/_core').String;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/es6/string.js\n// module id = 336\n// module chunks = 0","var $export = require('./_export');\nvar toAbsoluteIndex
= require('./_to-absolute-index');\nvar fromCharCode = String.fromCharCode;\nvar $fromCodePoint =
String.fromCodePoint;\n\n// length should be 1, old FF problem\n$export($export.S + $export.F *
(!!$fromCodePoint && $fromCodePoint.length != 1), 'String', {\n // 21.1.2.2 String.fromCodePoint(...codePoints)\n
fromCodePoint: function fromCodePoint(x) { // eslint-disable-line no-unused-vars\n var res = [];\n var aLen =
arguments.length;\n var i = 0;\n var code;\n while (aLen > i) {\n
code = +arguments[i++];\n
if
(toAbsoluteIndex(code, 0x10ffff) !== code) throw RangeError(code + ' is not a valid code point');\n
res.push(code < 0x10000\n
? fromCharCode(code)\n
: fromCharCode(((code -= 0x10000) >> 10) +
0xd800, code % 0x400 + 0xdc00)\n
);\n } return res.join('');\n }\n});\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/core-js/modules/es6.string.from-code-point.js\n// module id = 337\n// module chunks
= 0","var $export = require('./_export');\nvar toIObject = require('./_to-iobject');\nvar toLength = require('./_tolength');\n\n$export($export.S, 'String', {\n // 21.1.2.4 String.raw(callSite, ...substitutions)\n raw: function
raw(callSite) {\n var tpl = toIObject(callSite.raw);\n var len = toLength(tpl.length);\n var aLen =
arguments.length;\n var res = [];\n var i = 0;\n while (len > i) {\n
res.push(String(tpl[i++]));\n if (i <
aLen) res.push(String(arguments[i]));\n } return res.join('');\n }\n});\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/core-js/modules/es6.string.raw.js\n// module id = 338\n// module chunks = 0","'use
strict';\n// 21.1.3.25 String.prototype.trim()\nrequire('./_string-trim')('trim', function ($trim) {\n return function
trim() {\n return $trim(this, 3);\n };\n});\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/corejs/modules/es6.string.trim.js\n// module id = 339\n// module chunks = 0","var $export = require('./_export');\nvar

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defineProperties(it, P) { var keys = enumKeys(P = toObject(P));
 var i = 0; var l = keys.length; var key; while (l > i) $defineProperty(it, key = keys[i++], P[key]);
 return it; }

 var $create = function create(it, P) { return P === undefined ? _create(it) : $defineProperties(_create(it), P); }

 var $getOwnPropertyDescriptor = function getOwnPropertyDescriptor(it, key) { if (this === ObjectProto && has(AllSymbols, key) && !has(OPSymbols, key)) return false; return it[key]; }

 var $getOwnPropertyNames = function getOwnPropertyNames(it) { var names = gOPN(toIObject(it)); var result = []; var i = 0; var key; while (names.length > i) { if (!has(AllSymbols, key = names[i++]) && key != HIDDEN && key != META) result.push(key); } return result; }

 $getOwnPropertySymbols = function getOwnPropertySymbols(it) { var IS_OP = it === ObjectProto; var names = gOPN(IS_OP ? OPSymbols : toIObject(it)); var result = []; var i = 0; var key; while (names.length > i) { if (has(AllSymbols, key = names[i++]) && (IS_OP ? has(ObjectProto, key) : true)) result.push(names[key]); } return result; }

 $Symbol = function Symbol() { if (this instanceof $Symbol) throw TypeError('Symbol is not a constructor!'); var tag = uid(arguments.length > 0 ? arguments[0] : undefined);
 var $set = function (value) { if (this === ObjectProto) $set.call(OPSymbols, value); if (has(this, HIDDEN) && has(this[HIDDEN], tag)) return; if (DESCRIPTORS && !setter) setSymbolDesc(ObjectProto, tag, { configurable: true, set: $set }); return wrap(tag); }

 redefine($Symbol[PROTOTYPE], 'toString', function toString() { return this._k; });

 return $OPD.f = $getOwnPropertyDescriptor;

 $DP.f = $defineProperty;

 $getOwnPropertyNames = $getOwnPropertyNames;

 $getOwnPropertySymbols = $getOwnPropertySymbols;

 hasInstance = isConcatSpreadable = iterator = match = replace = search = species = split = toPrimitive = toStringTag = unscopables = split('.');

 var $replacer = replacer = function replacer(value, key)

 $JSON.stringify = function (it) { return JSON.stringify(it); }
thisSTORE().getState

    this.boundSystem = Object.assign({}, 
    this.getRootInjects(),
    this.getWrappedAndBoundActions(dispatch),
    this.getWrappedAndBoundSelectors(getState,
    this.getSystem),
    this.getStateThunks(getState),
    this.getFn(),
    this.getConfigs(getState)
    )

if(buildReducer)
  this.rebuildReducer()
}

  _getSystem() {
    return this.boundSystem
  }

  getRootInjects() {
    return Object.assign({
      getSystem: this.getSystem,
      getStore: this.getStore().getState
    },
    this.getRootInjects || {})

return this.getWrappedAndBoundActions(dispatch)

  _getSystem() {
    return this.boundSystem
  }

  getComponents: this.getComponents.bind(this),

  getComponents: function *getComponents() {
    return this.getComponents
  }

return this.getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundActions(dispatch) {
    return this.getWrappedAndBoundActions(dispatch)
  }

return this.getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
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  _getSystem() {
    return this.boundSystem
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  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
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  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors

  _getSystem() {
    return this.boundSystem
  }

  getWrappedAndBoundSelectors
const process = creator => {
  if (typeof(creator) !== 'function') {
    return objMap(creator, prop => process(prop))
  }

  return ( ...args ) => {
    var action = null
    try {
      action = creator( ...args )
    }
    catch (e) {
      action = { type: 'NEW_THROWN_ERR', error: true, payload: serializeError(e) }
    }
    finally {
      return action // eslint-disable-line no-unsafe-finally
    }
  }
}

getMapStateToProps() {
  return () => {
    return Object.assign({}, this.getSystem())
  }
}

getMapDispatchToProps(extras) {
  return (dispatch) => {
    return deepExtend({}, this.getWrappedAndBoundActions(dispatch), extras)
  }
}

function combinePlugins(plugins, toolbox) {
  if(isObject(plugins) && !isArray(plugins)) {
    return assignDeep({}, plugins)
  }

  if(isFunc(plugins)) {
    return combinePlugins(plugins(toolbox), toolbox)
  }

  if(isArray(plugins)) {
    return plugins
      .map(plugin => combinePlugins(plugin, toolbox))
      .reduce(systemExtend, {})
  }

  return {}
}

function callAfterLoad(plugins, system, { hasLoaded }) {
  let calledSomething = hasLoaded
  if(isObject(plugins) && !isArray(plugins)) {
    if(typeof plugins.afterLoad === 'function') {
      calledSomething = true
      wrapWithTryCatch(plugins.afterLoad).call(this, system)
    }
  }

  if(isFunc(plugins))
    return callAfterLoad.call(this, plugins(system), system, { hasLoaded: calledSomething })

  if(isArray(plugins)) {
    return plugins.map(plugin => callAfterLoad.call(this, plugin, system, { hasLoaded: calledSomething }))
  }

  return calledSomething
}

// Wraps deepExtend, to account for certain fields, being wrappers.
// Ie: we need to convert some fields into arrays, and append to them.
function systemExtend(dest={}, src={}) {
  if(!isObject(dest)) {
    return {}
  }

  if(!isObject(src)) {
    return dest
  }

  // Wrap components
  // Parses existing components in the system, and prepares them for wrapping via getComponents
  // 80% of this code is just safe traversal. We need to address that ( ie: use a lib )
  const { statePlugins } = dest
  if(isObject(statePlugins)) {
    for(let namespace in statePlugins) {
      const namespaceObj = statePlugins[namespace]
      if(!isObject(namespaceObj))
        continue
      const { wrapActions } = namespaceObj
      for(let actionName in wrapActions) {
        let action = wrapActions[actionName]
        // This should only happen if dest is the first plugin, since invocations after that will ensure its an array
        if(!Array.isArray(action))
          action = [action]
        wrapActions[actionName] = action // Put the value inside an array
      }
    }
  }

  // Account for wrapComponents
  // Parses existing components in the system, and prepares them for wrapping via getComponents
  return deepExtend({ namespace: namespaceObj }, src={})
      .filter( (comp) => comp.type === 'wrapComponents' )
      .reduce((obj, comp) => {
        for(let key in comp.components) {
          if(!isObject(comp.components[key]) || Array.isArray(comp.components[key]))
            delete comp.components[key]
        }
        obj[key] = comp.components[key] // Only add components we've matched
      }, { })
      .reduce(systemExtend, {})
      .reduce(objectExtend, {})
      .reduce(arrayExtend, {})
      .reduce(systemExtend, {})

  return deepExtend(dest, src={})
  return buildReducer(states)
}

function buildReducer(states) {
  let reducerObj = objMap(states, (val) => {
    return val.reducers
  })
  return allReducers(reducerObj)
}

function allReducers(reducerSystem) {
  let reducers = Object.keys(reducerSystem).reduce((obj, key) => {
    obj[key] = makeReducer(reducerSystem[key])
    return obj
  }, {})

  if(!Object.keys(reducers).length) {
    return idFn
  }

  return combineReducers(reducers)
}

function makeReducer(reducerObj) {
  return (state = new Map(), action) => {
    if(!reducerObj)
      return state

    let redFn = (reducerObj[action.type])
    if(redFn) {
      const res = wrapWithTryCatch(redFn)(state, action)
      // If the try/catch wrapper kicks in, we'll get null back...
      // in that case, we want to avoid making any changes to state
      return res === null ? state : res
    }
    return state
  }
}

function wrapWithTryCatch(fn, {
  logErrors = true
} = {}) {
  if(typeof fn !== 'function') {
    return fn
  }

  return ( ...args ) => {
    var action = null
    try {
      action = fn( ...args )
    }
    catch (e) {
      action = { type: 'NEW_THROWN_ERR', error: true, payload: serializeError(e) }
    }
    finally {
      return action // eslint-disable-line no-unsafe-finally
    }
  }
}

const dispatch = dispatch || this.getStore().dispatch
const actions = this.getActions()
const process = creator => {
  if (typeof(creator) !== 'function') {
    return objMap(creator, prop => process(prop))
  }

  return ( ...args ) => {
    var action = null
    try {
      action = creator( ...args )
    }
    catch (e) {
      action = { type: 'NEW_THROWN_ERR', error: true, payload: serializeError(e) }
    }
    finally {
      return action // eslint-disable-line no-unsafe-finally
    }
  }
}

getMapStateToProps() {
  return () => {
    return Object.assign({}, this.getSystem())
  }
}

getMapDispatchToProps(extras) {
  return (dispatch) => {
    return deepExtend({}, this.getWrappedAndBoundActions(dispatch), extras)
  }
}

function combinePlugins(plugins, toolbox) {
  if(isObject(plugins) && !isArray(plugins)) {
    return assignDeep({}, plugins)
  }

  if(isFunc(plugins)) {
    return combinePlugins(plugins(toolbox), toolbox)
  }

  if(isArray(plugins)) {
    return plugins
      .map(plugin => combinePlugins(plugin, toolbox))
      .reduce(systemExtend, {})
  }

  return {}
}

function callAfterLoad(plugins, system, { hasLoaded }) {
  let calledSomething = hasLoaded
  if(isObject(plugins) && !isArray(plugins)) {
    if(typeof plugins.afterLoad === 'function') {
      calledSomething = true
      wrapWithTryCatch(plugins.afterLoad).call(this, system)
    }
  }

  if(isFunc(plugins))
    return callAfterLoad.call(this, plugins(system), system, { hasLoaded: calledSomething })

  if(isArray(plugins)) {
    return plugins.map(plugin => callAfterLoad.call(this, plugin, system, { hasLoaded: calledSomething }))
  }

  return calledSomething
}

// Wraps deepExtend, to account for certain fields, being wrappers.
// Ie: we need to convert some fields into arrays, and append to them.
function systemExtend(dest={}, src={}) {
  if(!isObject(dest)) {
    return {}
  }

  if(!isObject(src)) {
    return dest
  }

  // Wrap components
  // Parses existing components in the system, and prepares them for wrapping via getComponents
  // 80% of this code is just safe traversal. We need to address that ( ie: use a lib )
  const { statePlugins } = dest
  if(isObject(statePlugins)) {
    for(let namespace in statePlugins) {
      const namespaceObj = statePlugins[namespace]
      if(!isObject(namespaceObj) || !isObject(namespaceObj.wrapActions))
        continue
      const { wrapActions } = namespaceObj
      for(let actionName in wrapActions) {
        let action = wrapActions[actionName]
        // This should only happen if dest is the first plugin, since invocations after that will ensure its an array
        if(!Array.isArray(action))
          action = [action]
        wrapActions[actionName] = action // Put the value inside an array
      }
    }
  }

  // Account for wrapComponents
  // Parses existing components in the system, and prepares them for wrapping via getComponents
  return deepExtend({ namespace: namespaceObj }, src={})
      .filter( (comp) => comp.type === 'wrapComponents' )
      .reduce((obj, comp) => {
        for(let key in comp.components) {
          if(!isObject(comp.components[key]) || Array.isArray(comp.components[key]))
            delete comp.components[key]
        }
        obj[key] = comp.components[key] // Only add components we've matched
      }, { })
      .reduce(systemExtend, {})
      .reduce(objectExtend, {})
      .reduce(arrayExtend, {})
      .reduce(systemExtend, {})

  return deepExtend(dest, src={})
  return buildReducer(states)
}

function buildReducer(states) {
  let reducerObj = objMap(states, (val) => {
    return val.reducers
  })
  return allReducers(reducerObj)
}

function allReducers(reducerSystem) {
  let reducers = Object.keys(reducerSystem).reduce((obj, key) => {
    obj[key] = makeReducer(reducerSystem[key])
    return obj
  }, {})

  if(!Object.keys(reducers).length) {
    return idFn
  }

  return combineReducers(reducers)
}

function makeReducer(reducerObj) {
  return (state = new Map(), action) => {
    if(!reducerObj)
      return state

    let redFn = (reducerObj[action.type])
    if(redFn) {
      const res = wrapWithTryCatch(redFn)(state, action)
      // If the try/catch wrapper kicks in, we'll get null back...
      // in that case, we want to avoid making any changes to state
      return res === null ? state : res
    }
    return state
  }
}

function wrapWithTryCatch(fn, {
  logErrors = true
} = {}) {
  if(typeof fn !== 'function') {
    return fn
  }

  return ( ...args ) => {
    var action = null
    try {
      action = fn( ...args )
    }
    catch (e) {
      action = { type: 'NEW_THROWN_ERR', error: true, payload: serializeError(e) }
    }
    finally {
      return action // eslint-disable-line no-unsafe-finally
    }
  }
}
function configureStore(rootReducer, initialState, getSystem) {
  const store = createStoreWithMiddleware(rootReducer, initialState, getSystem);
  if (module.hot) {
    module.hot.accept("reducers/index", () => {
      return store
    });
  }

  return function(...args) {
    try {
      return fn.call(this, ...args)
    } catch(e) {
      if(logErrors) {
        console.error(e)
        return null
      }
    }
  }
}

function configureStore(rootReducer, initialState, getSystem) {
  const store = createStoreWithMiddleware(rootReducer, initialState, getSystem);

  if (module.hot) {
    module.hot.accept("reducers/index", () => {
      const nextRootReducer = require("reducers/index")
      store.replaceReducer(nextRootReducer)
    });
  }

  return store
}

var $Object = require("./node_modules/es6.object.define-property");

var $assign = Object.assign;

var getKeys = require('./_object-keys');
var gOPS = require('./_object-gops');
var pIE = require('./_object-pie');
var toObject = require('./_to-object');
var IObject = require('./_iobject');

// should work with symbols and should have deterministic property order (V8 bug)
module.exports = !Symbol || function assign(target, source) { // eslint-disable-line no-unused-vars
  var T = toObject(target);
  var aLen = arguments.length;
  var index = 1;
  var getSymbols = gOPS.f;
  var isEnum = pIE.f;
  while (aLen > index) {
    var S = IObject(arguments[index++]);
    var keys = getSymbols ? getKeys(S).concat(getSymbols(S)) : getKeys(S);
    var length = keys.length;
    var j = 0;
    var key;
    while (length > j) if (isEnum.call(S, key = keys[j++]))
      T[key] = S[key];
  } return T;
}

var $assign = Object.assign;

var $Object = require("./node_modules/es6.object.define-property");

var $assign = Object.assign;

var getKeys = require('./_object-keys');
var gOPS = require('./_object-gops');
var pIE = require('./_object-pie');
var toObject = require('./_to-object');
var IObject = require('./_iobject');

// should work with symbols and should have deterministic property order (V8 bug)
module.exports = !Symbol || function assign(target, source) { // eslint-disable-line no-unused-vars
  var T = toObject(target);
  var aLen = arguments.length;
  var index = 1;
  var getSymbols = gOPS.f;
  var isEnum = pIE.f;
  while (aLen > index) {
    var S = IObject(arguments[index++]);
    var keys = getSymbols ? getKeys(S).concat(getSymbols(S)) : getKeys(S);
    var length = keys.length;
    var j = 0;
    var key;
    while (length > j) if (isEnum.call(S, key = keys[j++]))
      T[key] = S[key];
  } return T;
}

var $assign = Object.assign;

var $Object = require("./node_modules/es6.object.define-property");

var $assign = Object.assign;

var getKeys = require('./_object-keys');
var gOPS = require('./_object-gops');
var pIE = require('./_object-pie');
var toObject = require('./_to-object');
var IObject = require('./_iobject');

// should work with symbols and should have deterministic property order (V8 bug)
module.exports = !Symbol || function assign(target, source) { // eslint-disable-line no-unused-vars
  var T = toObject(target);
  var aLen = arguments.length;
  var index = 1;
  var getSymbols = gOPS.f;
  var isEnum = pIE.f;
  while (aLen > index) {
    var S = IObject(arguments[index++]);
    var keys = getSymbols ? getKeys(S).concat(getSymbols(S)) : getKeys(S);
    var length = keys.length;
    var j = 0;
    var key;
    while (length > j) if (isEnum.call(S, key = keys[j++]))
      T[key] = S[key];
  } return T;
}
undefined

? global.TYPED_ARRAY_SUPPORT
	: typedArraySupport() /* Export kMaxLength after typed array support is determined */

// exports.kMaxLength = kMaxLength();

/**
 * Export kMaxLength after typed array support is determined.
 */
exports.kMaxLength = kMaxLength()

/*
 * Export kMaxLength after typed array support is determined.
 */
exports.kMaxLength = kMaxLength()

function typedArraySupport () {
  try {
    var arr = new Uint8Array(1)
    arr.__proto__ = {__proto__: Uint8Array.prototype, foo: function () {
      return 42 }}
    return arr.foo() === 42 &;& // typed array instances can be augmented
    typeof arr.subarray === 'function' &;& // chrome 9-10 lack `subarray`
    arr.subarray(1, 1).byteLength === 0 // ie10 has broken `subarray`
  } catch (e) {
    return false
  }
}

function kMaxLength () {
  return Buffer.TYPED_ARRAY_SUPPORT
    ? 0x7fffffff
    : 0x3fffffff
}

function createBuffer (that, length) {
  if (kMaxLength() < length) {
    throw new RangeError('Invalid typed array length')
  }
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    // Return an augmented 'Uint8Array' instance, for best performance
    that = new Uint8Array(length)
    that.__proto__ = Buffer.prototype
  } else {
    // Fallback: Return an object instance of the Buffer class
    that = new Buffer(length)
    that.length = length
  }
  return that
}

/**
 * The Buffer constructor returns instances of `Uint8Array` that have their *
 * prototype changed to 'Buffer.prototype'. Furthermore, 'Buffer' is a subclass of *
 * 'Uint8Array', so the returned instances will have all the node 'Buffer' methods *
 * and the 'Uint8Array' methods.
 * Square bracket notation works as expected -- it returns a single octet.
 * The 'Uint8Array' prototype remains unmodified.
 */

function Buffer (arg, encodingOrOffset, length) {
  if (!Buffer.TYPED_ARRAY_SUPPORT && !(this instanceof Buffer)) {
    return new Buffer(arg, encodingOrOffset, length)
  }

  // Common case.
  if (typeof arg === 'number') {
    return allocUnsafe(this, arg)
  }
  return from(this, arg, encodingOrOffset, length)
}

/**
 * Functionally equivalent to Buffer(arg, encoding) but throws a TypeError
 * if value is a number.
 * Buffer.from(str[, encoding])
 * Buffer.from(array)
 * Buffer.from(buffer)
 * Buffer.from(arrayBuffer[, byteOffset[, length]])
 */
Buffer.from = function (value, encodingOrOffset, length) {
  return from(null, value, encodingOrOffset, length)
}

Buffer.poolSize = 8192 // not used by this implementation

// TODO: Legacy, not needed anymore. Remove in next major version.
Buffer._augment = function (arr) {
  arr.__proto__ = Buffer.prototype
  return arr
}

function from (that, value, encodingOrOffset, length) {
  if (typeof value === 'number') {
    throw new TypeError('"value" argument must not be a number')
  }

  if (typeof ArrayBuffer !== 'undefined' && value instanceof ArrayBuffer) {
    return fromArrayBuffer(that, value, encodingOrOffset, length)
  }

  if (typeof value === 'string') {
    return fromString(that, value, encodingOrOffset)
  }

  return fromObject(that, value)
}

/**
 * Creates a new filled Buffer instance.
 * alloc(size[, fill[, encoding]])
 */
Buffer.alloc = function (size, fill, encoding) {
  return alloc(null, size, fill, encoding)
}

function allocUnsafe (that, size) {
  assertSize(size)
  that = createBuffer(that, size)
  if (size <= 0) {
    return createBuffer(that, size)
  }
  if (iffill !== undefined) {
    if (size < 0) {
      throw new RangeError('"size" argument must not be negative')
    }
    var size = size
  }
  return createBuffer(that, size)
}

/**
 * Create a Buffer from an ArrayBuffer, Optional start and end
 */
Buffer.fromArrayBuffer = function (arrayBuffer) {
  return createBuffer(arrayBuffer)
}

if (Buffer.TYPED_ARRAY_SUPPORT) {
  Buffer.prototype.__proto__ = Uint8Array.prototype
  Buffer.__proto__ = Uint8Array
  if (typeof Symbol !== 'undefined' && Symbol.species &&
      Buffer[Symbol.species] === Buffer) {
    // Fix subarray() in ES2016.
    See: https://github.com/feross/buffer/pull/97
    Object.defineProperty(Buffer, Symbol.species, {
      value: null,
      configurable: true
    })
  }
}

function Buffer (arg, encodingOrOffset, length) {
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    // Return an augmented 'Uint8Array' instance, for best performance
    this.__proto__ = Buffer.prototype
    return this
  }
  // Fallback: Return an object instance of the Buffer class
  if (this === null) {
    this = new Buffer(length)
    this.length = length
  }
  return this
}

/**
 * Used in center of Uint8Array.prototype
 */
exports.TYPED_ARRAY_SUPPORT = 0x7fffffff

if (kMaxLength() < length) {
  throw new RangeError('Invalid typed array length')
}

if (Buffer.TYPED_ARRAY_SUPPORT) {
  // Return an augmented 'Uint8Array' instance, for best performance
  var arr = new Uint8Array(1)
  arr.__proto__ = {__proto__: Uint8Array.prototype, foo: function () {
    return 42 }}
  return arr.foo() === 42 &;& // typed array instances can be augmented
  typeof arr.subarray === 'function' &;& // chrome 9-10 lack `subarray`
  arr.subarray(1, 1).byteLength === 0 // ie10 has broken `subarray`
} else {
  // Fallback: Return an object instance of the Buffer class
  var that = new Buffer(length)
  that.length = length
  return that
}

function fromString (that, value, encodingOrOffset) {
  if (encodingOrOffset === undefined) {
    encodingOrOffset = 'utf8'
  }

  if (!Buffer.isEncoding(encodingOrOffset)) {
    throw new TypeError('Invalid encoding: ' + encoding)
  }

  var len = byteLength(value, encodingOrOffset)

  if (len < 0) {
    throw new RangeError('Invalid typed array length')
  }
  var that = createBuffer(that, len)
  return fromObject(that, value, encodingOrOffset)
}

function fromObject (that, value, encodingOrOffset) {
  var size = byteLength(value, encodingOrOffset)
  return createBuffer(that, size)
}

function fromArrayBuffer (that, value, encodingOrOffset, length) {
  return createBuffer(that, length)
}

function createBuffer (that, length) {
  if (kMaxLength() < length) {
    throw new RangeError('Invalid typed array length')
  }
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    // Return an augmented 'Uint8Array' instance, for best performance
    that = new Uint8Array(length)
    that.__proto__ = Buffer.prototype
  } else {
    // Fallback: Return an object instance of the Buffer class
    if (that === null) {
      that = new Buffer(length)
    }
    that.length = length
  }
  return that
}

/**
 * Used in object prototype
 */
Buffer.prototype.constructor = Buffer

/**
 * Returns a new Buffer instance
 */
Buffer.alloc = function (size) {
  return createBuffer(null, size)
}

/**
 * Creates a new filled Buffer instance.
 * allocUnsafe(size)
 */
Buffer.allocUnsafe = function (size) {
  return createBuffer(null, size)
}

/**
 * Creates a new filled Buffer instance.
 * allocUnsafeSlow(size)
 */
Buffer.allocUnsafeSlow = function (size) {
  return createBuffer(null, size)
}

if (Buffer.TYPED_ARRAY_SUPPORT) {
  Buffer.prototype.__proto__ = Uint8Array.prototype
  Buffer.__proto__ = Uint8Array
  if (typeof Symbol !== 'undefined' && Symbol.species &&
      Buffer[Symbol.species] === Buffer) {
    // Fix subarray() in ES2016.
    // See: https://github.com/feross/buffer/pull/97
    Object.defineProperty(Buffer, Symbol.species, {
      value: null,
      configurable: true
    })
  }
}

function Buffer (arg, encodingOrOffset, length) {
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    // Return an augmented 'Uint8Array' instance, for best performance
    this.__proto__ = Uint8Array.prototype
    return this
  }
  // Fallback: Return an object instance of the Buffer class
  if (this === null) {
    this = new Buffer(length)
    this.length = length
  }
  return this
}

/**
 * Used in center of Uint8Array.prototype
 */
exports.TYPED_ARRAY_SUPPORT = 0x7fffffff

if (kMaxLength() < length) {
  throw new RangeError('Invalid typed array length')
}

if (Buffer.TYPED_ARRAY_SUPPORT) {
  // Return an augmented 'Uint8Array' instance, for best performance
  var arr = new Uint8Array(1)
  arr.__proto__ = {__proto__: Uint8Array.prototype, foo: function () {
    return 42 }}
  return arr.foo() === 42 &;& // typed array instances can be augmented
  typeof arr.subarray === 'function' &;& // chrome 9-10 lack `subarray`
  arr.subarray(1, 1).byteLength === 0 // ie10 has broken `subarray`
} else {
  // Fallback: Return an object instance of the Buffer class
  var that = new Buffer(length)
  that.length = length
  return that
}
that = createBuffer(that, length);\n  var actual = that.write(string, encoding);\n
  if (actual !== length) {\n    // Writing a hex string, for example, that contains invalid characters will\n    // cause everything after the first invalid character to be ignored. (e.g. 'ab\n    // abxxcd' will be treated as 'ab')\n    that = that.slice(0, actual);\n  }\n  return that;\n}\n
function fromArrayLike(that, array) {\n  \n  var length = array.length < 0 ? 0 : checked(array.length);\n
  that = createBuffer(that, length);\n  for (var i = 0; i < length; i++) {\n    that[i] = array[i];\n  }\n  return that;\n}\n
function fromArrayBuffer(that, array, byteOffset, length) {\n  \n  array.byteLength // this throws if `array` is not a valid ArrayBuffer\n  if (byteOffset < 0 || array.byteLength < byteOffset) {\n    \n    throw new RangeError(\"offset\" is out of bounds\');\n  }\n  \n  if (array.byteLength < byteOffset + (length || 0)) {\n    \n    throw new RangeError(\"length\" is out of bounds\');\n  }\n  \n  if (byteType !== undefined &\n  
  \n  &\n  
  \n  length === undefined) {\n    \n    array = new Uint8Array(array);\n  }\n  \n  else if (length !== undefined) {\n    \n    array = new Uint8Array(array, byteOffset);\n  }\n  \n  else {\n    \n    \n    array = Buffer.from(array, byteOffset, length);\n  }\n  \n  if (Buffer.TYPED_ARRAY_SUPPORT) {\n    \n    // Return an augmented 'Uint8Array' instance, for best performance\n    \n    that = array;\n    \n    that._proto__ = \n    \n    Buffer.prototype;\n  } else {\n    \n    // Fallback: Return an object instance of the Buffer class\n    \n    that = \n    \n    fromArrayLike(\n    \n    that, array);\n  }\n
  return that;\n}\n
function fromObject(that, obj) {\n  \n  if (Buffer.isBuffer(obj)) {\n    \n    // Fallback: Return an object instance of the Buffer class\n    \n    that = \n    \n    fromArrayLike(\n    \n    that, obj.buffer);\n  } else {\n    \n    // Fallback: Return an object instance of the Buffer class\n    \n    that = \n    \n    fromObject(\n    \n    that, obj.buffer);\n  }\n
  obj.copy(that, 0, 0, len);\n  return that;\n}\n
function fromArrayBuffer(that, array, byteOffset, length) {\n  \n  array.byteLength // this throws if `array` is not a valid ArrayBuffer\n  if (byteOffset < 0 || array.byteLength < byteOffset) {\n    \n    throw new RangeError(\"offset\" is out of bounds\');\n  }\n  \n  if (array.byteLength < byteOffset + (length || 0)) {\n    \n    throw new RangeError(\"length\" is out of bounds\');\n  }\n  \n  if (byteType !== undefined &\n  
  \n  &\n  
  length === undefined) {\n    \n    array = new Uint8Array(array);\n  }\n  \n  else if (length !== undefined) {\n    \n    array = new Uint8Array(array, byteOffset);\n  }\n  \n  else {\n    \n    array = Buffer.from(array, byteOffset, length);\n  }\n  \n  \n  if (Buffer.TYPED_ARRAY_SUPPORT) {\n    \n    // Return an augmented 'Uint8Array' instance, for best performance\n    \n    that = array;\n    \n    that._proto__ = \n    \n    Buffer.prototype;\n  } else {\n    \n    // Fallback: Return an object instance of the Buffer class\n    \n    that = \n    \n    fromArrayLike(\n    \n    that, obj.buffer);\n  }\n
  obj.copy(that, 0, 0, len);\n  return that;\n}\n
function checked(length) {\n  \n  if ((typeof ArrayBuffer !== 'undefined' &&
  
  \n  &\n  
  \n  length < kMaxLength())) {\n    \n    throw new RangeError(\"length\" is out of bounds\');\n  }\n  \n  \n  return checked(obj.length) | 0\n  \n  if (Buffer.isBuffer(obj)) {\n    \n    \n    return that;\n  } else {\n    \n    \n    return that;\n  }\n}

Buffer.isBuffer = function isBuffer (b) {\n  \n  return !!(b != null &\n  
  \n  &\n  
  b instanceof ArrayBuffer)\n}
MAX_UINT32` since it's a read-only
// property of a typed array.

// This behaves neither like String nor
Uint8Array in that we set start/end// to their upper/lower bounds if the value passed is out of range.

// undefined is handled specially as per ECMA-262 6th Edition,
// Section 13.3.3.7 Runtime Semantics:

KeyedBindingInitialization.

if (start === undefined || start < 0) { return 0 }

// Return early if start >
//this.length. Done here to prevent potential uint32
// coercion fail below.

\n if (start > this.length) { return 0 \n
// Force coercion to uint32. This will also coerce falsey/NaN values to 0.

\n end >>>= 0 \n
// end > this.length)

\n if (end <= 0) { return 0 \n
// Force coercion to uint32. This will also coerce falsey/NaN values to 0.

\n if (end <= 0) { return 0 \n
// Force coercion to uint32. This will also coerce falsey/NaN values to 0.

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// Force coercion to uint32. This will also coerce falsey/NaN values to 0.

\n if (end <= 0) { return 0 \n
// Force coercion to uint32. This will also coerce falsey/NaN values to 0.

\n if (end <= 0) { return 0
throw new RangeError('Attempt to write outside buffer bounds')

if (!encoding) encoding = 'utf8'

var loweredCase = false

for (;;) {
  switch (encoding) {
    case 'hex':
      return hexWrite(this, string, offset, length)

    case 'utf-8':
      return utf8Write(this, string, offset, length)

    case 'latin1':
      return latin1Write(this, string, offset, length)

    case 'binary':
      return latin1Write(this, string, offset, length)

    case 'base64':
      return base64Write(this, string, offset, length)

    case 'ucs2':
      return ucs2Write(this, string, offset, length)

    default:
      if (loweredCase) throw new TypeError('Unknown encoding: ' + encoding)
      encoding = ('' + encoding).toLowerCase()
      loweredCase = true
  }
}

Buffer.prototype.toJSON = function toJSON () {
  return {
    type: 'Buffer',
    data: Array.prototype.slice.call(this, start, end)
  }
}

function base64Slice (buf, start, end) {
  if (start === 0 && end === buf.length) {
    return base64.fromByteArray(buf)
  } else {
    return base64.fromByteArray(buf.slice(start, end))
  }
}

function utf8Slice (buf, start, end) {
  end = Math.min(buf.length, end)
  var res = []
  var i = start
  while (i < end) {
    var firstByte = buf[i]
    var codePoint = null
    var bytesPerSequence = (firstByte > 0xEF) ? 4
      : (firstByte > 0xBF) ? 3
      : (firstByte > 0xBF) ? 2
      : 1

    if (i + bytesPerSequence <= end) {
      var secondByte, thirdByte, fourthByte, tempCodePoint

      switch (bytesPerSequence) {
        case 1:
          if (firstByte < 0x80) {
            codePoint = firstByte
          }
          break
        case 2:
          secondByte = buf[i + 1]
          if ((secondByte & 0xC0) === 0x80) {
            tempCodePoint = (firstByte & 0x1F) << 0x6 | (secondByte & 0x3F)
            if (tempCodePoint > 0x7FF) {
              codePoint = tempCodePoint
            } else if (tempCodePoint === 0xFFFE) {
              codePoint = tempCodePoint
            } else if (tempCodePoint === 0xFFFF) {
              codePoint = tempCodePoint
            } else {  // we did not generate a valid codePoint so insert '\u' // replacement char (U+FFFD) and advance only 1 byte
              codePoint = 0xFFFD
              bytesPerSequence = 1
            }
          }
          break
        case 3:
          secondByte = buf[i + 1]
          thirdByte = buf[i + 2]
          if ((secondByte & 0xC0) === 0x80 && (thirdByte & 0xC0) === 0x80) {
            tempCodePoint = (firstByte & 0xF) << 0xC | (secondByte & 0x3F) << 0x6 | (thirdByte & 0x3F)
            if (tempCodePoint > 0x10FFFF) {
              codePoint = tempCodePoint
            } else {  // we did not generate a valid codePoint so insert '\u' // replacement char (U+FFFD) and advance only 1 byte
              codePoint = 0xFFFD
              bytesPerSequence = 1
            }
          }
          break
        case 4:
          secondByte = buf[i + 1]
          thirdByte = buf[i + 2]
          fourthByte = buf[i + 3]
          if (((secondByte & 0xC0) === 0x80) & (thirdByte & 0xC0) === 0x80) {
            tempCodePoint = (firstByte & 0xF) << 0x12 | (secondByte & 0x3F) << 0x6 | (thirdByte & 0x3F)
            if (tempCodePoint > 0x11141F) {
              codePoint = tempCodePoint
            } else {  // we did not generate a valid codePoint so insert '\u' // replacement char (U+FFFD) and advance only 1 byte
              codePoint = 0xFFFD
              bytesPerSequence = 1
            }
          }
          break
      }
    }

    if (codePoint === null) {
      // we did not generate a valid codePoint so insert '\u'
      res.push(codePoint)
    } else if (codePoint === 0xFFFE) {
      res.push('\u')
    } else if (codePoint === 0xFFFF) {
      res.push('\u')
    } else if (codePoint > 0x10FFFF) {
      res.push(codePoint)
      res.push('\u')
    } else {  // we did not generate a valid codePoint so insert '\u' // replacement char (U+FFFD) and advance only 1 byte
      codePoint = 0xFFFD
      bytesPerSequence = 1
    }
  }

  return decodeCodePointsArray(res)
}

function asciiSlice (buf, start, end) {
  var ret = ''
  end = Math.min(buf.length, end)

  for (var i = start; i < end; ++i) {
    ret += String.fromCharCode(buf[i] & 0x7F)
  }
  return ret
}

function latin1Slice (buf, start, end) {
  var ret = ''
  end = Math.min(buf.length, end)

  for (var i = start; i < end; ++i) {
    ret += String.fromCharCode(buf[i])
  }
  return ret
}

function hexSlice (buf, start, end) {
  var len = buf.length
  if (start >= end) return buf
  if (start < 0) start = 0
  if (end > len) end = len

  var out = ''
  for (var i = start; i < end; ++i) {
    var bytes = buf.slice(i, i + 1)
    var codePoint = String.fromCharCode(bytes)
    out += toHex(codePoint)
  }
  return out
}

function utf16leSlice (buf, start, end) {
  var bytes = buf.slice(start, end)
  var var = bytes.length
  var var = for (var i = start; i < end; ++i) {
    if (start < start) start = 0
  }

  if (start > end) end = start
  var len = this.length
  start = ~~start
  end = ~~end
  if (start < 0) start = 0
  if (start > end) end = undefined

  len = this.length
  start = ~~start
  end = ~~end
  if (start < 0) start = 0
  if (start > end) end = undefined

  return this.slice(start, end)
```javascript
start = len

if (end < 0) {
  end += len
  if (end < 0) end = 0
} else if (end > len) {
  end = len
}

if (end < start) end = start

var newBuf
if (Buffer.TYPED_ARRAY_SUPPORT) {
  newBuf = this.subarray(start, end)
  newBuf.__proto__ = Buffer.prototype
} else {
  var sliceLen = end - start
  var val = this[offset + i] * mul
  var returnVal = newBuffer.prototype.readUIntBE = function readUIntBE (offset, byteLength, noAssert)
  return newUint8 = function readUInt8 (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 1, this.length)
    return this[offset] |

    var val = this[offset] |
    var mul = 1
    while (++i < byteLength && (mul *= 0x100)) {
      val += this[offset + i] * mul
    }

    return val
  }

  Buffer.prototype.readInt8 = function readInt8 (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 1, this.length)
    if (!(this[offset] & 0x80)) return (this[offset])
    return ((0xff - this[offset] + 1) * -1)
  }

  Buffer.prototype.readInt16LE = function readInt16LE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 2, this.length)
    var val = this[offset] | (this[offset + 1] << 8)
    return (val & 0x8000) ? val | 0xFFFF0000 : val
  }

  Buffer.prototype.readInt16BE = function readInt16BE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 2, this.length)
    var val = this[offset + 1] | (this[offset] << 8)
    return (val & 0x8000) ? val | 0xFFFF0000 : val
  }

  Buffer.prototype.readInt32LE = function readInt32LE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 4, this.length)
    return (this[offset]) | (this[offset + 1] << 8) | (this[offset + 2] << 16) | (this[offset + 3] << 24)
  }

  Buffer.prototype.readInt32BE = function readInt32BE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 4, this.length)
    return (this[offset] << 24) | (this[offset + 1] << 16) | (this[offset + 2] << 8) | (this[offset + 3])
  }

  Buffer.prototype.readFloatLE = function readFloatLE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 4, this.length)
    return ieee754.read(this, offset, true, 23, 4) | (this[offset + 1] << 8) | (this[offset + 2] << 24)
  }

  Buffer.prototype.readFloatBE = function readFloatBE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 4, this.length)
    return ieee754.read(this, offset, false, 23, 4)
  }
```

checkOffset(offset, 8, this.length)\n return ieee754.read(this, offset, false, 52, 8/\n)\n\nfunction checkInt (buf, value, offset, ext, max, min) {\n  if (!buf.isBuffer(buf)) throw new TypeError("buf must be a Buffer instance") \n  if (value > max || value < min) throw new RangeError("value is out of bounds") \n  if (offset + ext + byteLength) throw new RangeError("Index out of range") \n  \n  var maxBytes = Math.pow(2, 8 * byteLength) - 1 \n  var offset = checkInt(this, value, offset, byteLength, maxBytes, 0) \n  return offset + byteLength \n}

Buffer.prototype.writeUIntLE = function writeUIntLE (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  byteLength = byteLength | 0 \n  if (noAssert) {\n    var maxBytes = Math.pow(2, 8 * byteLength) - 1 \n    value = Math.floor(value) \n    if (value < 0) value = 0xFFFFFFFF + value + 1 \n  } \n  \n  var mul = 1 \n  var i = 0 \n  \n  for (var i = 0, j = Math.min(buf.length - offset, 4); i < j; ++i) { \n    buf[offset + i] = (value / (mul *= 0x100)) & 0xFF \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUIntBE = function writeUIntBE (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  byteLength = byteLength | 0 \n  if (noAssert) {\n    var maxBytes = Math.pow(2, 8 * byteLength) - 1 \n    value = Math.floor(value) \n    if (value < 0) value = 0xFFFFFFFF + value + 1 \n  } \n  \n  var mul = 1 \n  var i = 0 \n  \n  for (var i = 0, j = Math.min(buf.length - offset, 4); i < j; ++i) { \n    buf[offset + i] = (value / (mul *= 0x100)) & 0xFF \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt8 = function writeUInt8 (value, offset, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 8); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) & 0xFF \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt16LE = function writeUInt16LE (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  byteLength = byteLength | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 16); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt16BE = function writeUInt16BE (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 16); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt16 = function writeUInt16 (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 16); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt32LE = function writeUInt32LE (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  byteLength = byteLength | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 32); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt32BE = function writeUInt32BE (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 32); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt32 = function writeUInt32 (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 32); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}

Buffer.prototype.writeUInt = function writeUInt (value, offset, byteLength, noAssert) {\n  var value = +value \n  offset = offset | 0 \n  if (!noAssert) {\n    var limit = Math.max(buf.length - offset, 0) \n    var i = 0 \n    \n    for (var i = 0, j = Math.min(buf.length - offset, 32); i < j; ++i) { \n      buf[offset + i] = (value / (mul *= 0x100)) >>> 0 \n    } \n  } \n  \n  return offset + byteLength \n}
this[offset] = (value & 0xff)
  return offset + 1
}

Buffer.prototype.writeInt16LE = function writeInt16LE
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 2, 0xff, -0x8000)
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value & 0xff)
    this[offset + 1] = (value >>> 8)
  } else {
    objectWriteUInt16(this, value, offset, true)
  }
  return offset + 2
}

Buffer.prototype.writeInt16BE = function writeInt16BE
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 2, 0xff, -0x8000)
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value >>> 8)
    this[offset + 1] = (value & 0xff)
  } else {
    objectWriteUInt16(this, value, offset, false)
  }
  return offset + 2
}

Buffer.prototype.writeInt32LE = function writeInt32LE
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 4, 0xffffffff, -0x80000000)
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value & 0xff)
    this[offset + 1] = (value >>> 8)
    this[offset + 2] = (value >>> 16)
    this[offset + 3] = (value >>> 24)
  } else {
    objectWriteUInt32(this, value, offset, true)
  }
  return offset + 4
}

Buffer.prototype.writeInt32BE = function writeInt32BE
  value = +value
  offset = offset | 0
  if (value < 0) value = 0xffffffff + value + 1
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value >>> 24)
    this[offset + 1] = (value >>> 16)
    this[offset + 2] = (value >>> 8)
    this[offset + 3] = (value & 0xff)
  } else {
    objectWriteUInt32(this, value, offset, false)
  }
  return offset + 4
}

function checkIEEE754 (buf, value, offset, ext, max, min) {
  if (offset + ext > buf.length) throw new RangeError('Index out of range')
  if (offset < 0) throw new RangeError('Index out of range')
}

function writeFloat (buf, value, offset, littleEndian, noAssert)
  if (!noAssert) {
    checkIEEE754(buf, value, offset, 4, 3.4028234663852886e+38, -3.4028234663852886e+38)
  }
  ieee754.write(buf, value, offset, littleEndian, 23, 4)
  return offset + 4
}

Buffer.prototype.writeFloatLE = function writeFloatLE (value, offset, noAssert)
  return writeFloat(this, value, offset, true, noAssert)
}

Buffer.prototype.writeFloatBE = function writeFloatBE (value, offset, noAssert)
  return writeFloat(this, value, offset, false, noAssert)
}

function writeDouble (buf, value, offset, littleEndian, noAssert)
  if (!noAssert) {
    checkIEEE754(buf, value, offset, 8, 1.7976931348623157E+308, -1.7976931348623157E+308)
    ieee754.write(buf, value, offset, littleEndian, 52, 8)
  }
  return offset + 8
}

Buffer.prototype.writeDoubleLE = function writeDoubleLE (value, offset, noAssert)
  return writeDouble(this, value, offset, true, noAssert)
}

Buffer.prototype.writeDoubleBE = function writeDoubleBE (value, offset, noAssert)
  return writeDouble(this, value, offset, false, noAssert)
}

// copy(targetBuffer, targetStart=0, sourceStart=0, sourceEnd=buffer.length)
Buffer.prototype.copy = function copy (target, targetStart, start, end) {
  if (!start) start = 0
  if (!end && end !== 0) end = this.length
  if (targetStart >= target.length) targetStart = target.length
  if (!targetStart) targetStart = 0
  if (end > 0 && end < start) end = start

  // Copy 0 bytes; we're done
  if (end === start) return 0
  if (this.length === 0 || target.length === 0) return 0

  // Fatal error conditions
  if (targetStart < 0) {
    throw new RangeError('targetStart out of bounds')
  }
  if (start < 0 || start >= this.length) throw new RangeError('sourceStart out of bounds')
  if (end < 0) throw new RangeError('sourceEnd out of bounds')
  if (target.length - targetStart < sourceEnd - sourceStart) throw new RangeError('sourceEnd out of bounds')

  // Are we oob?
  if (end < this.length) end = this.length
  if (target.length - targetStart < end - start) throw new RangeError('target out of bounds')

  var len = end - start
  var i

  if (!start) start = 0
  if (end === 0) end = this.length
  if (len < 1000)
    !Buffer.TYPED_ARRAY_SUPPORT ||
    !Buffer.prototype.set.call(target, this, start, start + len, this.subarray(start, start + len))
    return len

  i = target.length - targetStart
  if (i < 0) return

  while (i > 0) {
    if (i & 0x1f) i -= 0x20
  }

  // RangeError('target.length out of bounds')
  throw new RangeError('target Start out of bounds')
}

function Uint8Array.prototype.set(call) {
  this[call + start] = this[i + start] || this[i + start] || this[i + start] ||
  buffer.fill(buffer, offset, end)]
// buffer.fill(string, offset, end, true)]
buffer.prototype.fill = function fill (val, start, end, encoding)
  if (typeof val === 'string') {
    if (typeof start === 'string') {
      encoding = start
    } else if (typeof end === 'string') {
      encoding = end
    } else if (encoding === undefined) {
      throw new TypeError('encoding must be a string')
    }
  } else if (typeof encoding === 'string' &&

Open Source Used In SDWan 20.4.1  5836
Open Source Used In SDWan 20.4.1  5841

/**
 * Used by `_deburr` to convert Latin-1 Supplement and Latin Extended-A
 * letters to basic Latin letters.
 *
 * @private
 * @param {string} letter The matched letter to deburr.
 * @returns {string} Returns the deburred letter.
 */
var deburrLetter = basePropertyOf(deburredLetters);

module.exports = deburrLetter;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_deburrLetter.js
// module id = 406
// module chunks =

/**
 * The base implementation of `_.propertyOf` without support for deep paths.
 *
 * @private
 * @param {Object} object The object to query.
 * @returns {Function} Returns the new accessor function.
 * @function
 * @param {Function} returnType The function to return.
 */
function basePropertyOf(object) {
  return function(key) {
    return object == null ? undefined : object[key];
 );
}

module.exports = basePropertyOf;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/words.js
// module id = 408
// module chunks =

/**
 * Splits an ASCII `string` into an array of its words.
 *
 * @private
 * @param {string} string The string to inspect.
 * @returns {Array} Returns the words of `string`.
 */
function asciiWords(string) {
  return string.match(reAsciiWord) || [];
}

module.exports = asciiWords;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_asciiWords.js
// module id = 409
// module chunks =

/**
 * Checks if `string` contains a word composed of Unicode symbols.
 *
 * @private
 * @param {string} string The string to inspect.
 * @returns {boolean} Returns `true` if a word is found, else `false`.
 */
function hasUnicodeWord(string) {
  return reHasUnicodeWord.test(string);
}

module.exports = hasUnicodeWord;
rsAstralRange + rsBreakRange + rsDigits + rsDingbatRange + rsLowerRange + rsUpperRange + ']',\n    rsFitz = '\ud83c[\udde6-\udfff]',\n    rsModifer = '(?:' + rsCombo + '|' + rsFit + ')',\n    rsNonAstral = ['\u' + rsAstralRange + ']',\n    rsRegional = '(?:\ud83c[\udde6-\udfff])',\n    rsSurrPair = '\u200d',\n
    rsAstralRange = '\u0000-\ud804',\n    rsBreakRange = '\u2066-\u206f',\n    rsDigits = '\d',\n    rsDingbatRange = '\u2600-\uf8ff',\n    rsLowerRange = '\u2100-\u214f',\n    rsUpperRange = '\u2142-\u218f',\n    rsMisc = '(?:' + rsAstralRange + ']',\n    rsMiscLowerCase = '(?:' + rsMisc + '|\x00-\uffff)',\n    rsMiscUpperCase = '(?:' + rsUpperRange + ']',\n    rsUpper = '\u0041-\u005a',\n    rsZWJ = '\u200d',\n
    rsCombo = rsOptContrLower + rsOptContrUpper,\n    rsDigits = '\d',\n    rsDigitsLower = '\dth',\n    rsDigitsUpper = '\DST',\n    rsEmoji = '(?:' + [rsDingbat, rsRegional, rsSurrPair].join('|') + ')' + rsSeq,\n
    \n
    string.match(reUnicodeWord) || [];\n
    function unicodeWords(string) {\n      return string.match(reUnicodeWord) || [];\n    }\n
    module.exports = unicodeWords;

    \n
    \n
    \n
    var nativeCreate = require('./_nativeCreate');\n
    \n
    \n
    \n
    \n
    return isFunction('isObject') \n    ? isObject = require('isObject') \n    : toSource = require('toSource');\n
    module.exports = \n    isObject = require('isObject'),
    + functionProto = Function.prototype;

    module.exports = Object.prototype;

    return toSource = require('toSource');

    return isFunction('isObject') \n    ? isObject = require('isObject') \n    : toSource = require('toSource');\n
    module.exports = Object.prototype;

    return toSource = require('toSource');

    return isFunction('isObject') \n    ? isObject = require('isObject') \n    : toSource = require('toSource');\n
    module.exports = Object.prototype;

    return toSource = require('toSource');

    return isFunction('isObject') \n    ? isObject = require('isObject') \n    : toSource = require('toSource');\n
    module.exports = Object.prototype;
method references. */\n
```javascript
var arrayProto = Array.prototype;

/**
 * Removes `key` and its value from the list cache.
 * *
 * @private
 * @name delete
 * @memberOf ListCache
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 * */
var arrayProto = Array.prototype.splice;

/**
 * Removes `key` and its value from the list cache.
 * *
 * @private
 * @name delete
 * @memberOf ListCache
 * @param {string} key The key of the value to remove.
 * @returns {boolean} Returns `true` if the entry was removed, else `false`.
 * */
function listCacheDelete(key) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    return false;
  }
  var lastIndex = data.length - 1;
  if (index == lastIndex) {
    data.pop();
  } else {
    data.splice.call(data, index, 1);
  }
  --this.size;
  return true;
}

module.exports = listCacheDelete;


```
Open Source Used In SDWan 20.4.1

```javascript
value);\nthis.size += data.size == size ? 0 : 1;\nreturn this;\n}]
```

```javascript
let findIndex = require('./findIndex');\n
```n

```javascript
module.exports = findIndex;
```n

```javascript
function createFind(findIndexFunc) {
  return function(collection, predicate, fromIndex) {
    var iterable = Object(collection);
    if (!isArrayLike(collection)) {
      var iteratee = baseIteratee(predicate, 3);
      collection = keys(collection);
      predicate = function(key) { return iteratee(iterable[key], key, iterable); };
    }
    var index = findIndexFunc(collection, predicate, fromIndex);
  };
}
```

```javascript
function baseMatches(source) {
  var matchData = getMatchData(source);
  if (matchData.length == 1 && matchData[0][2]) {
    return matchesStrictComparable(matchData[0][0], matchData[0][1]);
  }
  return function(object) {
    return object === source || baseIsMatch(object, source, matchData,
    customizer);
  };
}
```

```javascript
function baseIsMatch(object, source, matchData, customizer) {
  var index = matchData.length,
      length = index,
      noCustomizer = !customizer;

  if (object == null) {
    return !length;
  }
  object = Object(object);
  while (index--) {
    var data = matchData[index];
    var key = data[0],
        objValue = object[key],
        srcValue = data[1];

    if (noCustomizer && data[2]) {
      if (objValue === undefined && !(key in object)) {
        return false;
      }
    } else {
      var stack = new Stack;
      if (customizer) {
        var result = customizer(objValue, srcValue, key, object, source, stack);
      }
      if (!(result === undefined
            ? baseIsEqual(srcValue, objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG, customizer, stack)
            : result
          )) {
        return false;
      }
```
equalFunc, stack);

if (!bitmask & COMPARE_PARTIAL_FLAG) {
  var objIsWrapped = objIsObj && hasOwnProperty.call(object, '__wrapped__'),
      othIsWrapped = othIsObj && hasOwnProperty.call(other, '__wrapped__');

  if (objIsWrapped || othIsWrapped) {
    var objUnwrapped = objIsWrapped ? object.value() : object,
        othUnwrapped = othIsWrapped ? other.value() : other;

    stack || (stack = new Stack);
    return equalFunc(objUnwrapped, othUnwrapped, bitmask & COMPARE_PARTIAL_FLAG, customizer, stack);
  }
  if (!isSameTag) {
    return false;
  }
  stack || (stack = new Stack);
  return equalObjects(obj, other, bitmask & COMPARE_UNORDERED_FLAG, customizer, equalFunc, stack);
}

module.exports = baseIsEqualDeep;

//////////////////
// WEBPACK FOOTER
// module id = 442
// module chunks = 0

var MapCache = require('./_MapCache'),
    setCacheAdd = require('./_setCacheAdd'),
    setCacheHas = require('./_setCacheHas');

/**
 * Creates an array cache object to store unique values.
 */
function SetCache(values) {
  var index = -1,
      length = values == null ? 0 : values.length;

  this.__data__ = new MapCache;
  while (++index < length) {
    this.add(values[index]);
  }
}

// Add methods to `SetCache`.
SetCache.prototype.add = SetCache.prototype.push = setCacheAdd;
SetCache.prototype.has = setCacheHas;

module.exports = SetCache;

/**
 * Checks if a `cache` value for `key` exists.
 *
 * @private
 * @param {Object} cache The cache to query.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function cacheHas(cache, key) {
  return cache.has(key);
}

module.exports = cacheHas;

module.exports = exports

var Symbol = require('./_Symbol'),
    Uint8Array = require('./_Uint8Array'),
    eq = require('./eq'),
    equalArrays = require('./_equalArrays'),
    mapToArray = require('./_mapToArray'),
    setToArray = require('./_setToArray');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2;

/** `Object#toString` result references. */
var booleanTag = '[object Boolean]',
    dateTag = '[object Date]',
    errorTag = '[object Error]',
    mapTag = '[object Map]',
    numberTag = '[object Number]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    symbolTag = '[object Symbol]',
    arrayBufferTag = '[object ArrayBuffer]',
    DataViewTag = '[object DataView]';

/** Used to convert symbols to primitives and strings. */
var symbolProto = Symbol ? Symbol.prototype : undefined,
    symbolValueOf = symbolProto ? symbolProto.valueOf : function() {
      return symbolProto.toString();
    },
    isEqual = function(value) {
      return value && value instanceof baseIsEqualDeep ? value
        .isEqualDeep(this, isEqual) : isEqual(value);
    },
    isEqualByTag = function(object, other, bitmask, customizer)
      .isEqualDeep(object, other, bitmask, customizer, isEqualByTag, (object, other),
      function(value) { return isEqual(value); }, false);

module.exports = isEqualByTag;
if ((object.byteLength != other.byteLength) ||
     object.byteOffset != other.byteOffset) {
    return false;
}

object = object.buffer;
other = other.buffer;

if ((object.byteLength !=
    other.byteLength) ||
     !equalFunc(new Uint8Array(object), new Uint8Array(other))) {
    return false;
}

return true;

case boolTag:
    case dateTag:
    case numberTag:
        // Coerce booleans to `1` or `0` and dates to milliseconds.
        // Invalid dates are coerced to `NaN`.
        return eq(+object, +other);

    case errorTag:
        return object.name == other.name && object.message == other.message;

    case regexpTag:
        // Coerce regexes to strings and treat strings, primitives and objects, as equal.
        See http://www.ecma-international.org/ecma-262/7.0/#sec-regexp.prototype.toString // for more details.
        return object == (+object);

    case stringTag:
        // Coerce regexes to strings and treat strings, primitives and objects, as equal.
        // See http://www.ecma-international.org/ecma-262/7.0/#sec-regexp.prototype.toString
        // for more details.
        return object == (other + '');

    case mapTag:
        var convert = mapToArray;
        var isPartial = bitmask & COMPARE_PARTIAL_FLAG;
        convert || (convert = setToArray);
        if (object.size !=
            other.size && !isPartial) {
            return false;
        }

        var isUnordered = bitmask & COMPARE_UNORDERED_FLAG;
        // Recursively compare objects (susceptible to call stack limits).
        stack.set(object, other);
        var result = equalArrays(convert(object), convert(other), bitmask, customizer,
            equalFunc, stack);
        var returned = (stack.get(object) == other);

        if (stack.get(other) == object) {
            stack['delete'](object);
        }

        return result;

    case symbolTag:
        if (symbolValueOf)
            return symbolValueOf.call(object) == symbolValueOf.call(other);

    case arrayBufferTag:
        if ((object.byteLength !=
            other.byteLength) ||
            !equalFunc(new Uint8Array(object), new Uint8Array(other))) {
            return false;
        }

        object = object.buffer;
        other = other.buffer;

    case arrayBufferTag:
        var convert = mapToArray;
        var isPartial = bitmask & COMPARE_PARTIAL_FLAG;
        convert || (convert = setToArray);
        if (object.size !=
            other.size && !isPartial) {
            return false;
        }

        var returned = true;
        stack.set(object, other);
        stack.set(other, object);

        var skipCtor = isPartial;
        while (++index < object.length) {
            var key = object[index];
            var otherKey = other[index];

            if (customizer)
                return compared = isPartial
                    ? customizer(otherKey, object[index], key, other, object, stack)
                    : customizer(object[index], otherKey, key, object, other, stack);

            if (isPartial) {
                var otherKey = other[index];
            }

            if (sameValue<object>(key, otherKey)) {
                var result = false;
            }

            if (key in other) {
                var otherValue = other[index];
            }

            if (sameValue<object>(key, otherValue)) {
                return result = true;

            } else {
                var otherValue = other[index];
            }
        }

        stack['delete'](object);

        return result;

    default:
        return !equalFunc(object, other);

    module.exports = equalByTag;


//////////////////
// WEBPACK FOOTER
// module id = 447
// module chunks = 0

/**
 * Converts `map` to its key-value pairs.
 *
 * @private
 * @param {Object} map The map to convert.
 * @returns {Array} Returns the key-value pairs.
 */
function mapToArray(map) {
    var index = -1,
        result = Array(map.size);

    map.forEach(function(value, key) {
        result[++index] = [key, value];
    });
    return result;
}

module.exports = mapToArray;


//////////////////
// WEBPACK FOOTER
// module id = 448
// module chunks = 0

/**
 * Converts `set` to an array of its values.
 *
 * @private
 * @param {Object} set The set to convert.
 * @returns {Array} Returns the values.
 */
function setToArray(set) {
    var index = -1,
        result = Array(set.size);

    set.forEach(function(value) {
        result[++index] = value;
    });
    return result;
}

module.exports = setToArray;


skipCtor || (skipCtor = key == 'constructor');

if (result && !skipCtor) {
  var objCtor = object.constructor,
  othCtor = other.constructor;
  // Non 'Object' object instances with different constructors are not equal.
  if (objCtor !== othCtor &&
      (typeof objCtor == 'function' &&
       objCtor instanceof objCtor) &&
      typeof othCtor == 'function' &&
      othCtor instanceof othCtor) {
    result = false;
  }
}

stack['delete'](object);
stack['delete'](other);
return result;
}

module.exports = equalObjects;


//////////////////
// WEBPACK FOOTER
// module: ./node_modules/lodash/_equalObjects.js 450 0

/**
 * A specialized version of `_.filter` for arrays without support for
 * iteratee shorthands.
 *
 * @private
 * @param {Array} [array] The
 * array to iterate over.
 * @param {Function} predicate The function invoked per iteration.
 * @returns {Array} Returns the new filtered array.
 */
function arrayFilter(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length,
      resIndex = 0,
      result = [];

  while (++index < length) {
    var value = array[index];
    if (predicate(value, index, array)) {
      result[resIndex++] = value;
    }
  }
  return result;
}

module.exports = arrayFilter;


//////////////////
// WEBPACK FOOTER
// module: ./node_modules/lodash/_arrayFilter.js 451 0

/**
 * The base implementation of `_.times` without support for iteratee shorthands
 * or max array length checks.
 *
 * @private
 * @param {number} n The number of times to invoke `iteratee`.
 * @param {Function} iteratee The
 * function invoked per iteration.
 * @returns {Array} Returns the array of results.
 */
function baseTimes(n, iteratee) {
  var index = -1,
      result = Array(n);

  while (++index < n) {
    result[index] = iteratee(index);
  }
  return result;
}

module.exports = baseTimes;


//////////////////
// WEBPACK FOOTER
// module: ./node_modules/lodash/_baseTimes.js 452 0

var baseGetTag = require('./_baseGetTag'),
    isObjectLike = require('./isObjectLike');

/** `Object#toString` result references. */
var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    boolTag = '[object Boolean]',
    dateTag = '[object Date]',
    errorTag = '[object Error]',
    funcTag = '[object Function]',
    mapTag = '[object Map]',
    numberTag = '[object Number]',
    objectTag = '[object Object]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    weakMapTag = '[object WeakMap]';

var arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

var argsTag = '[object Arguments]',
    arrayTag = '[object Array]',
    arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint8ClampedTag = '[object Uint8ClampedArray]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = [object Uint32Array]
The base implementation of `_.isTypedArray` without Node.js optimizations.

```javascript
function baseIsTypedArray(value) {
  return isObjectLike(value) &&
    isLength(value.length) &&
    !!typedArrayTags[baseGetTag(value)];
}

module.exports = baseIsTypedArray;
```

The base implementation of `_.matchesProperty` which doesn't treat sparse arrays as dense.

```javascript
function baseMatchesProperty(path, srcValue) {
  if (isKey(path) && isStrictComparable(srcValue)) {
    return matchesStrictComparable(toKey(path), srcValue);
  }
  return function(object) {
    var objValue = get(object, path);
    return (objValue === undefined && objValue === srcValue)
      ? hasIn(object, path)
      : baseIsEqual(srcValue, objValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG);
  };
}

module.exports = baseMatchesProperty;
```
toFinite(value) { 
  if (!value) { 
    return value === 0 ? value : 0; 
  } 
  if (value === INFINITY || value === -INFINITY) { 
    return value === value ? value : 0; 
  }
}

module.exports = toFinite;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/toFinite.js
// module id = 475
// module chunks = 0,

function some(collection, predicate, guard) {
  var func = isArray(collection) ? arraySome : baseSome;
  if (guard && isIterateeCall(collection, predicate, guard)) {
    predicate = undefined;
  }
  return func(collection, baseIteratee(predicate, 3));
}

module.exports = some;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/some.js
// module id = 476

function baseSome(collection, predicate) {
  var result;

  baseEach(collection, function(value, index, collection) {
    result = predicate(value, index, collection);
    return !result;
  });
  return !!result;
}

module.exports = baseSome;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_baseSome.js
// module id = 477

function baseForOwn(object, iteratee) {
  return object && baseFor(object, iteratee, keys);
}

module.exports = baseForOwn;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_baseFor.js
// module id = 478

function createBaseFor(fromRight) {
  return function(object, iteratee, keysFunc) {
    var index = -1,
        iterable = Object(object),
        props = keysFunc(object),
        length = props.length;

    while (length--) {
      var key = props[fromRight ? length : ++index];
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return object;
  };
}

module.exports = createBaseFor;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_forOwn.js
// module id = 479

function some(collection, predicate, guard) {
  var var func = isArray(collection) ? arraySome : baseSome;
  if (guard && isIterateeCall(collection, predicate, guard)) {
    var predicate = undefined;
  }
  return var func(collection, baseIteratee(predicate, 3));
}

module.exports = some;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/some.js

function baseEach(collection, iteratee) {
  var result;

  baseEach(collection, function(value, index, collection) {
    result = iteratee(value, index, collection);
    return !result;
  });
  return !!result;
}

module.exports = baseEach;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_baseEach.js

function createBaseFor(fromRight) {
  return function() {
    var index = -1,
        iterable = arguments.length ? arguments[0] : this,
        props = fromRight ? keys : baseKeys(iterable),
        length = props.length;

    while (length--) {
      var key = props[fromRight ? length : ++index];
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return iterable;
  };
}

module.exports = createBaseFor;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_forIn.js

function some(collection, predicate, guard) {
  var var func = isArray(collection) ? arraySome : baseSome;
  if (guard && isIterateeCall(collection, predicate, guard)) {
    var predicate = undefined;
  }
  return var func(collection, baseIteratee(predicate, 3));
}

module.exports = some;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/some.js

function baseEach(collection, iteratee) {
  var result;

  baseEach(collection, function(value, index, collection) {
    result = iteratee(value, index, collection);
    return !result;
  });
  return !!result;
}

module.exports = baseEach;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_baseEach.js

function createBaseFor(fromRight) {
  return function() {
    var index = -1,
        iterable = arguments.length ? arguments[0] : this,
        props = fromRight ? keys : baseKeys(iterable),
        length = props.length;

    while (length--) {
      var key = props[fromRight ? length : ++index];
      if (iteratee(iterable[key], key, iterable) === false) {
        break;
      }
    }
    return iterable;
  };
}

module.exports = createBaseFor;


-----------------
// WEBPACK FOOTER
// ./node_modules/lodash/_forIn.js

function some(collection, predicate, guard) {
  var var func = isArray(collection) ? arraySome : baseSome;
  if (guard && isIterateeCall(collection, predicate, guard)) {
    var predicate = undefined;
  }
  return var func(collection, baseIteratee(predicate, 3));
}

module.exports = some;
from right to left.

* @returns {Function} Returns the new base function.

* @function createBaseEach

* @param {Function} [eachFunc] Function to iterate over collection.

* @param {boolean} [fromRight] Specify iterating from right to left.

* @param {boolean} [in}
Open Source Used In SDWan 20.4.1

```
// normal environments in sane situations

return clearTimeout(marker);

// when when somebody has screwed with setTimeout but no I.E. madness

return cachedClearTimeout(marker);

// catch(e){

// With when we are in I.E. but the script has been evaled so I.E. doesn't trust the global object when called normally

return clearTimeout.call(null, marker);

// same as above but when it's a version of I.E. that must have the global object for 'this', hopefully our context correct otherwise it will throw a global error.

Some versions of I.E. have different rules for clearTimeout vs setTimeout

var queue = [];
var draining = false;
var queueIndex = -1;

function cleanUpNextTick() {
  if (!draining || currentQueue.length) {
    queue = currentQueue.concat(queue);
  } else {
    queueIndex = -1;
  }

  if (queue.length) {
    drainQueue();
  }
}

function drainQueue() {
  if (draining) {
    return;
  }

  var timeout = runTimeout(cleanUpNextTick);
  draining = true;

  var len = queue.length;
  while (len) {
    currentQueue = queue;
    queue = [];
    while (++queueIndex < len) {
      if (currentQueue) {
        currentQueue[queueIndex].run();
      }
    }
    queueIndex = -1;
    len = queue.length;
  }

  currentQueue = null;
  draining = false;
  runClearTimeout(timeout);
}

process.nextTick = function (fun) {
```
import OperationContainer from "core/containers/OperationContainer"
import App from "core/components/app"
import AuthorizationPopup from "core/components/auth/authorization-popup"
import AuthorizeBtn from "core/components/auth/authorize-btn"
import AuthorizeBtnContainer from "core/containers/authorize-btn"
import AuthorizeOperationBtn from "core/components/auth/authorize-operation-btn"
import Auths from "core/components/auth/auths"
import AuthItem from "core/components/auth/auth-item"
import AuthError from "core/components/auth/error"
import ApiKeyAuth from "core/components/auth/api-key-auth"
import BasicAuth from "core/components/auth/basic-auth"
import Example from "core/components/example"
import ExamplesSelect from "core/components/examples-select"
import ExamplesSelectValueRetainer from "core/components/examples-select-value-retainer"
import Oauth2 from "core/components/auth/oauth2"
import Clear from "core/components/clear"
import LiveResponse from "core/components/live-response"
import OnlineValidatorBadge from "core/components/online-validator-badge"
import OperationOperations from "core/components/operations"
import OperationTag from "core/components/operation-tag"
import OperationSummary from "core/components/operation-summary"
import OperationSummaryMethod from "core/components/operation-summary-method"
import OperationSummaryPath from "core/components/operation-summary-path"
import OperationExt from "core/components/operation-extensions"
import OperationExtRow from "core/components/operation-extension-row"
import HighlightCode from "core/components/highlight-code"
import Responses from "core/components/responses"
import Response from "core/components/response"
import ResponseBody from "core/components/response-body"
import Parameters from "core/components/parameters"
import ParameterExt from "core/components/parameter-extension"
import ParameterIncludeEmpty from "core/components/parameter-include-empty"
import Execute from "core/components/execute"
import Headers from "core/components/headers"
import Errors from "core/components/errors"
import ContentType from "core/components/content-type"
import Overview from "core/components/overview"
import Info from "core/components/info"
import InfoContainer from "core/containers/info"
import JumpToPath from "core/components/jump-to-path"
import FilterContainer from "core/containers/filter"
import Curl from "core/components/curl"
import Schemes from "core/components/schemes"
import ModelCollapse from "core/components/model-collapse"
import ModelExample from "core/components/model-example"
import ModelWrapper from "core/components/model-wrapper"
import Model from "core/components/model"
import Models from "core/components/models"
import EnumModel from "core/components/enum-model"
import ObjectModel from "core/components/object-model"
import ArrayModel from "core/components/array-model"
import PrimitiveModel from "core/components/primitive-model"
import Property from "core/components/property"
import TryItOutButton from "core/components/try-it-out-button"
import VersionPragmaFilter from "core/components/version-pragma-filter"
import VersionStamp from "core/components/version-stamp"
import DeepLink from "core/components/deep-link"
import SvgAssets from "core/components/svg-assets"
import Markdown from "core/components/providers/markdown"

let coreComponents = {
  components: {
    App,
    authorizationPopup: AuthorizationPopup,
    authorizeBtn: AuthorizeBtn,
    authorizeBtnContainer: AuthorizeBtnContainer,
    authorizeOperationBtn: AuthorizeOperationBtn,
    auths: Auths,
    authItem: AuthItem,
    authError: AuthError,
    oauth2: Oauth2,
    apiKeyAuth: ApiKeyAuth,
    basicAuth: BasicAuth,
    clear: Clear,
    liveResponse: LiveResponse,
    info: Info,
    infoContainer: InfoContainer,
    jumpToPath: JumpToPath,
    onlineValidatorBadge: OnlineValidatorBadge,
    operations: Operations,
    operation: Operation,
    operationSummary: OperationSummary,
    operationSummaryMethod: OperationSummaryMethod,
    operationSummaryPath: OperationSummaryPath,
    highlightCode: HighlightCode,
    responses: Responses,
    response: Response,
    responseBody:
let formComponents = {
  components: LayoutUtils
}

let jsonSchemaComponents = {
  components: JsonSchemaComponents
}

return [
  configsPlugin,
  util,
  logs,
  view,
  spec,
  err,
  layout,
  samples,
  coreComponents,
  formComponents,
  jsonSchemaComponents,
  auth,
  downloadUrlPlugin,
  deepLinkingPlugin,
  filter,
  onComplete
];

// WEBPACK FOOTER //
// module id = 491
// module chunks = 0
require('./_create-property');

$export($export.S + $export.F * !require('./_iter-detect')(function (iter) { Array.from(iter, i); })), 'Array', {
  from: function from(arrayLike /* , mapfn = undefined, thisArg = undefined */) {
    var O = toObject(arrayLike);
    var C = typeof this == 'function' ? this : Array;
    var aLen = arguments.length;
    var mapping = mapfn !== undefined;
    var index = 0;
    var iterFn = getIterFn(O);
    var length, result, step, iterator;
    if (mapping) mapfn = ctx(mapfn, aLen > 2 ? arguments[2] : undefined);
    if (iterFn != undefined && !C == Array && isArrayIter(iterFn)) {
      for (iterator = iterFn.call(O), result = new C(); !step = iterator.next().done; index++) {
        createProperty(result, index, mapping ? call(iterator, mapfn, [step.value, index], true) : step.value);
      }
    } else {
      length = toLength(O.length);
      for (result = new C(length); length > index; index++) {
        createProperty(result, index, mapping ? mapfn(O[index], index) : O[index]);
      }
    }
    result.length = index;
    return result;
  }
});

var $defineProperty = require('./_object-dp');
var createDesc = require('./_property-desc');

module.exports = function (object, index, value) {
  if (index in object) $defineProperty.f(object, index, createDesc(0, value));
  else object[index] = value;
};

require('../modules/es6.object.to-string');
require('../modules/es6.string.iterator');
require('../modules/web.dom.iterable');
require('../modules/es7.promise');
require('../modules/es7.promise.finally');
require('../modules/es7.promise.try');
module.exports = require('../modules/_core').Promise;

var USE_NATIVE = !!function () {
  try {
    var promise = $Promise.resolve(1);
    var FakePromise = (promise.constructor = {})[require('./_wks')('species')] = function (exec) {
      exec(empty, empty);
    };
    if (isNode || typeof PromiseRejectionEvent == 'function') and promise.then(empty) instanceof FakePromise;
  } catch (e) { /* empty */ }
}();

var isThenable = function (it) {
  var then;
  return isObject(it) && typeof (then = it.then) == 'function' ? then : false;
};

var notify = function (promise, isReject) {
  if (promise._n) return;
  promise._n = true;
  var chain = promise._c;
  microtask(function () {
    var value = promise._v;
    var ok = promise._s == 1;
    var i = 0;
    var run = function (reaction) {
      var handler = ok ? reaction.ok : reaction.fail;
      var resolve = reaction.resolve;
      if (handler === true) result = value;
      else if (handler === false) {
        var reject = reaction.reject;
        var rejectValue = reaction.value;
        if (isReject && reject !== Reject) reject.call(aFunction(this), rejectValue);
        return Promise.resolve(rejectValue);
      } else if (typeof handler == 'function') handler.call(aFunction(this), value);
      promise = reaction.promise;
      if (promise !== reaction.promise) promise._n = true;
      var executorFn = promise._r;
      if (executorFn == null) throw new TypeError('Promise's constructor is not a function');
      executorFn(aFunction(this), resolve, reject);
      promise._n = true;
    }
    while (chain.length > i) run(chain[i++]);
    microtask(function () { promise._d || resolve(resolve(result)); });
  });
};
```javascript
var values = [];

var index = 0;

var remaining = 1;

forOf(iterable, false, function (promise) {
  var Sindex = index++;
  var alreadyCalled = false;

  values.push(undefined);

  remaining++;

  C.resolve(promise).then(function (value) {
    if (alreadyCalled) return;

    alreadyCalled = true;

    values[Sindex] = value;

    --remaining || resolve(values);
  }, reject);

  });

  if (result.e) reject(result.v);

  return capability.promise;
});


//////////////////
//

newPromiseCapability.f(this);
var result = perform(callbackfn);

(result.e ? promiseCapability.reject :
  promiseCapability.resolve)(result.v);

return promiseCapability.promise;
}
```
Open Source Used In SDWan
```javascript
=== 0x23/* # */) {
  let preceding = state.input.charCodeAt(state.position - 1);
  if (is_WS_OR_EOL(preceding)) {
    break;
  } else if ((state.position === state.lineStart &&
    testDocumentSeparator(state)) ||
    withinFlowCollection &&
    is_FLOW_INDICATOR(ch)) {
    break;
  } else if (is_EOL(ch)) {
    _line = state.line;
    _lineStart = state.lineStart;
    _lineIndent = state.lineIndent;
    skipSeparationSpace(state, false, -1);
    if (state.lineIndent >= nodeIndent) {
      hasPendingContent = true;
      ch = state.input.charCodeAt(state.position);
      continue;
    } else {
      state.position = captureEnd;
      state.line = _line;
      state.lineStart = _lineStart;
      state.lineIndent = _lineIndent;
      break;
    }
  } else if (hasPendingContent) {
    captureSegment(state, captureStart, captureEnd, false);
    writeFoldedLines(state, state.line - _line);
    hasPendingContent = false;
  }
}

function readSingleQuotedScalar(state, nodeIndent) {
  let ch,
      captureStart, captureEnd;
  ch = state.input.charCodeAt(state.position);
  if (ch !== 0x27/* ' */) {
    return false;
  }
  state.kind = 'scalar';
  state.result = '';
  state.position++;
  captureStart = captureEnd = state.position;
  while ((ch = state.input.charCodeAt(state.position)) !== 0) {
    if (ch === 0x27/* ' */) {
      captureSegment(state, captureStart, state.position, true);
      state.position++;
      return true;
    } else if (ch === 0x22/* " */) {
      captureSegment(state, captureStart, state.position, true);
      state.position++;
    } else if (ch === 0x5C/* \ */) {
      captureSegment(state, captureStart, state.position, true);
      ch = state.input.charCodeAt(++state.position);
      if (is_EOL(ch)) {
        skipSeparationSpace(state, false, nodeIndent);
      } else if (ch < 256 && simpleEscapeCheck[ch]) {
        state.result += simpleEscapeMap[ch];
        state.position++;
      } else if (tmp = escapedHexLen(ch)) > 0) {
        hexLength = tmp;
        hexResult = 0;
        for (; hexLength > 0; hexLength--) {
          ch = state.input.charCodeAt(++state.position);
          if ((tmp = fromHexCode(ch)) >= 0) {
            hexResult = (hexResult << 4) + tmp;
          } else {
            throwError(state, 'expected hexadecimal character');
          }
        }
        state.result += charFromCodepoint(hexResult);
        state.position++;
      } else {
        throwError(state, 'unknown escape sequence');
      }
    } else if (ch < 256 && simpleEscapeCheck[ch]) {
      state.result += escapedHexMap[ch];
    } else if (((tmp = escapedHexLen(ch)) > 0) {
      hexLength = tmp;
      if ((tmp = fromHexCode(ch)) >= 0) {
        hexResult = (hexResult << 4) + tmp;
      } else {
        throwError(state, 'expected hexadecimal character');
      }
    } else {
      if (is_EOL(ch)) {
        SKIPSEPARATIONSPACE(state, false, nodeIndent);
        // TODO: rework to inline fn with no type cast
      } else if (ch < 256 && simpleEscapeCheck[ch]) {
        state.result += escapedHexMap[ch];
      } else if (((tmp = escapedHexLen(ch)) > 0) {
        hexLength = tmp;
        if ((tmp = fromHexCode(ch)) >= 0) {
          hexResult = (hexResult << 4) + tmp;
        } else {
          throwError(state, 'expected hexadecimal character');
        }
      } else {
        throwError(state, 'unexpected end of the stream within a single quoted scalar');
      }
    }
  }
  throwError(state, 'unexpected end of the document within a single quoted scalar');
}

function readDoubleQuotedScalar(state, nodeIndent) {
  let ch,
      hexLength,
      hexResult,
      tmp,
      captureStart,
      captureEnd,
      valueNode;
  ch = state.input.charCodeAt(state.position);
  if (ch !== 0x22/* " */) {
    return false;
  }
  state.kind = 'scalar';
  state.result = '';
  state.position++;
  captureStart = captureEnd = state.position;
  while ((ch = state.input.charCodeAt(state.position)) !== 0) {
    if (ch === 0x22/* " */) {
      captureSegment(state, captureStart, state.position, true);
      state.position++;
      return true;
    } else if (ch === 0x5C/* \ */) {
      captureSegment(state, captureStart, state.position, true);
      ch = state.input.charCodeAt(++state.position);
      if (is_EOL(ch)) {
        skipSeparationSpace(state, false, nodeIndent);
      } else if (ch < 256 && simpleEscapeCheck[ch]) {
        state.result += simpleEscapeMap[ch];
        state.position++;
      } else if (tmp = escapedHexLen(ch)) > 0) {
        hexLength = tmp;
        hexResult = 0;
        for (; hexLength > 0; hexLength--) {
          ch = state.input.charCodeAt(++state.position);
          if ((tmp = fromHexCode(ch)) >= 0) {
            hexResult = (hexResult << 4) + tmp;
          } else {
            throwError(state, 'expected hexadecimal character');
          }
        }
        state.result += charFromCodepoint(hexResult);
        state.position++;
      } else {
        throwError(state, 'unknown escape sequence');
      }
    } else if (ch < 256 && simpleEscapeCheck[ch]) {
      state.result += escapedHexMap[ch];
    } else if (((tmp = escapedHexLen(ch)) > 0) {
      hexLength = tmp;
      if ((tmp = fromHexCode(ch)) >= 0) {
        hexResult = (hexResult << 4) + tmp;
      } else {
        throwError(state, 'expected hexadecimal character');
      }
    } else {
      throwError(state, 'unexpected end of the document within a double quoted scalar');
    }
  }
  throwError(state, 'unexpected end of the stream within a double quoted scalar');
}
```
Common reading code for both explicit and implicit notations.

```javascript
if (state.line === _line || state.lineIndent > nodeIndent) {
  // Implicit notation case. Flow-style node as the key first, then ":", and the value.
  _anchor = state.anchor,
  _result = null;
  return true;
}

else {
  if (detected) {
    throwError(state, 'can not read a block mapping entry; a multiline key may not be an implicit
    key');
  } else {
    state.tag = _tag;
    state.anchor = _anchor;
    return true; // Keep the result of `composeNode`.
  }

  } else {
    if (detected) {
      throwError(state, 'can not read an implicit mapping pair; a colon is missed');
    } else {
      state.tag = null;
      valueNode = null;
      keyTag = keyNode = valueNode = null;
      atExplicitKey = false;
      detected = false;

      if (state.anchor !== null) {
        state.anchorMap[state.anchor] = _result;
      }

      _anchor = state.anchor;
      _result = [];
      following = state.input.charCodeAt(state.position + 1);

      if (is_WS_OR_EOL(following)) {
        throwError(state, 'whitespace character is expected after the key-value separator within a block mapping');
      } else {
        if (ch === 0x3A/* : */) {
          ch = state.input.charCodeAt(state.position);
          state.anchor = _anchor;
          state.kind = 'sequence';
          state.result = _result;
          return true;
        }

        if (ch !== 0) {
          if (is_WS_OR_EOL(following)) {
            throwError(state, 'a colon is missed');
          } else {
            throwError(state, 'a sequence entry is incomplete');
          }
        }

        if (ch !== 0x2D/* - */) {
          break;
        }

        following = state.input.charCodeAt(state.position + 1);
        _line = state.line;

        if (is_WS_OR_EOL(following)) {
          throwError(state, 'incomplete explicit mapping pair; a key node is
          missed; or followed by a non-tabulated empty line');
        }

        if (ch !== 0x3F/* ? */) {
          if (atExplicitKey) {
            state.anchorMap[state.anchor] = _result;
          } else {
            state.anchorMap[state.anchor] = _result;
            state.anchor = _anchor;
            _result = [];
          }

          return true;
        }

        throwError(state, 'can not read an implicit mapping pair; a colon is missed');

        if (atExplicitKey) {
          state.anchorMap[state.anchor] = _result;
        } else {
          state.anchorMap[state.anchor] = _result;
          state.anchor = _anchor;
          state.tag = _tag;
          state.anchorMap[state.anchor] = _result;
        }

        if (ch === 0x3A/* : */) {
          ch = state.input.charCodeAt(state.position);
          state.anchor = _anchor;
          state.kind = 'sequence';
          state.result = _result;
          return true;
        }

        if (ch !== 0) {
          if (is_WS_OR_EOL(following)) {
            throwError(state, 'whitespace character is expected after the key-value separator within a block mapping');
          } else {
            throwError(state, 'a colon is missed');
          }
        }

        if (ch !== 0x2D/* - */) {
          break;
        }

        following = state.input.charCodeAt(state.position + 1);
      }

      if (skipSeparationSpace(state, true, -1)) {
        if (state.lineIndent <= nodeIndent) {
          _result.push(null);
          ch = state.input.charCodeAt(state.position);
        } else {
          throwError(state, 'bad indentation of a sequence entry');
        }

        if (detected) {
          state.tag = _tag;
          state.anchor = _anchor;
          state.kind = 'sequence';
          state.result = _result;
          return true;
        }

        throwError(state, 'incomplete explicit mapping pair; a key node is
        missed; or followed by a non-tabulated empty line');
      }

      state.position += 1;
      ch = following;

      if (ch !== 0x3A/* : */) {
        continue;
      }

      _line = state.line;

      if (detected) {
        if (atExplicitKey) {
          state.anchorMap[state.anchor] = _result;
        } else {
          state.anchorMap[state.anchor] = _result;
          state.anchor = _anchor;
          _result = [];
        }

        return true;
      }

      throwError(state, 'bad indentation of a sequence entry');
    }

    state.position += 1;
    ch = following;

    if (ch !== 0x3A/* : */) {
      break;
    }

    following = state.input.charCodeAt(state.position + 1);
  }

  if (!is_WS_OR_EOL(following)) {
    break;
  }

  detected = true;
  state.position++;

  if (ch !== 0) {
    if (is_WS_OR_EOL(following)) {
      throwError(state, 'whitespace character is expected after the key-value separator within a block mapping');
    } else {
      throwError(state, 'a colon is missed');
    }

    if (ch !== 0x3A/* : */) {
      break;
    }

    following = state.input.charCodeAt(state.position + 1);
  }

  if (!is_WS_OR_EOL(following)) {
    break;
  }

  detected = true;
  state.position++;

  if (ch !== 0) {
    if (is_WS_OR_EOL(following)) {
      throwError(state, 'whitespace character is expected after the key-value separator within a block mapping');
    } else {
      throwError(state, 'a colon is missed');
    }

    if (ch !== 0x3A/* : */) {
      break;
    }

    following = state.input.charCodeAt(state.position + 1);
  }

  throw new Error('can not read an implicit mapping pair; a colon is missed');
}
```

`Common reading code for both explicit and implicit notations. //`
nodeIndent) {
  if (composeNode(state, nodeIndent, CONTEXT_BLOCK_OUT, true, allowCompact)) {
    if (atExplicitKey) {
      keyNode = state.result; 
    } else {
      valueNode = state.result; 
    }
  }

  if (storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, valueNode, _line, _pos)) {
    keyTag = keyNode = valueNode = null; 
  }

  skipSeparationSpace(state, true, -1); 
  ch = state.input.charCodeAt(state.position); 
  if (state.lineIndent > nodeIndent && (ch !== 0)) {
    throwError(state, 'bad indentation of a mapping entry'); 
  } else if (state.lineIndent < nodeIndent) {
    break; 
  }

  if (!atExplicitKey) {
    storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, valueNode, _line, _pos); 
    keyTag = keyNode = valueNode = null; 
  }

  skipSeparationSpace(state, true, -1); 
  ch = state.input.charCodeAt(state.position);
}

if (state.lineIndent > nodeIndent && (ch !== 0)) {
  throwError(state, 'bad indentation of a mapping entry'); 
} else if (state.lineIndent < nodeIndent) {
  break; 
}

//
// Epilogue.
//
// Special case: last mapping’s node contains only the key in explicit notation.
if (atExplicitKey) {
  storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, null); 
} 

// Expose the resulting mapping
if (detected) {
  state.tag = tag; state.anchor = anchor; state.kind = 'mapping'; 
  state.result = _result; 
  return detected; 
}

unfunction readTagProperty(state) {
  var _position, 
      isVerbatim = false, 
      isNamed = false, 
      tagHandle, 
      tagName, 
      ch;

  ch = state.input.charCodeAt(state.position);

  if (ch !== 0x21/* ! */) return false;

  if (state.tag !== null) {
    throwError(state, 'duplication of a tag property'); 
  }

  ch = state.input.charCodeAt(++state.position);
  _position = state.position;

  while (ch !== 0 && !is_WS_OR_EOL(ch)) {
    ch = state.input.charCodeAt(++state.position);
  }

  if (state.position === _position) {
    throwError(state, 'name of an anchor node must contain at least one character'); 
  }

  alias = state.input.slice(_position);

  if (!state.anchorMap.hasOwnProperty(alias)) {
    throwError(state, 'unidentified alias "' + alias + '"'); 
  }

  state.result = state.anchorMap[alias]; 
  skipSeparationSpace(state, true, -1); 
  ch = state.input.charCodeAt(state.position); 
  if (ch !== 0x21/* ! */) return false; 
  if (state.tag === null) {
    throwError(state, 'determination of a tag suffix cannot contain such characters'); 
  }

  if (PATTERN_TAG_URI.test(tagName)) {
    throwError(state, 'tag name cannot contain such characters'); 
  }

  if (isVerbatim) {
    state.tag = tagName;
  } else if (hasOwnProperty.call(state.tagMap, tagHandle)) {
    state.tag = state.tagMap[tagHandle] + tagName;
  } else if (tagHandle === '!') {
    state.tag = '!' + tagName;
  } else if (tagHandle === '!!') {
    state.tag = 'tag:yaml.org,2002:' + tagName;
  } else {
    throwError(state, 'undeclared tag handle "' + tagHandle + '"'); 
  }

  return true;
}

unfunction readAnchorProperty(state) {
  var _position, 
      ch;

  ch = state.input.charCodeAt(state.position);

  if (ch !== 0x26/* & */) return false;

  ch = state.input.charCodeAt(++state.position);
  _position = state.position;

  while (ch !== 0 && !is_WS_OR_EOL(ch) && !is_FLOW_INDICATOR(ch)) {
    ch = state.input.charCodeAt(++state.position);
  }

  if (state.position === _position) {
    throwError(state, 'name of an anchor node must contain at least one character'); 
  }

  state.anchor = state.input.slice(_position, state.position);
  if (!is_WS_OR_EOL(ch) && !is_FLOW_INDICATOR(ch)) {
    state.anchor = state.input.charAt(++state.position);
  } 

  return true;
}

unfunction readAlias(state) {
  var _position, 
      alias, 
      ch;

  ch = state.input.charAt(state.position);
  if (ch !== 0x2A/* * */) return false; 
  if (state.anchor === null) {
    throwError(state, 'determination of an anchor property'); 
  }

  state.tag = state.input.charAt(++state.position);
  _position = state.position;

  while (ch !== 0 && !is_WS_OR_EOL(ch) && !is_FLOW_INDICATOR(ch)) {
    ch = state.input.charAt(++state.position);
  }

  if (state.position === _position) {
    throwError(state, 'name of an alias node must contain at least one character'); 
  }

  alias = state.input.slice(_position, state.position);
  if (!state.anchorMap.hasOwnProperty(alias)) {
    throwError(state, 'unidentified alias "}" + alias + "}"'); 
  }

  state.result = state.anchorMap[alias]; 
  skipSeparationSpace(state, true, -1); 
  return true;
}

unfunction composeNode(state, parentIndent, nodeContext, allowToSeek, allowCompact) {
  var 
      allowBlockStyles, 
      allowBlockScalars, 
      allowBlockCollections, 
      indentStatus = 1, // 1: this>parent, 0: this=parent, -1: 
      parentIndent;
flowIndent, \n blockIndent; \n
 if (state.listener !== null) { \n   state.listener('open', state); \n } \n
 state.tag = null; \n state.anchor = null; \n state.kind = null; \n state.result = null; \n allowBlockStyles = allowBlockScalars = allowBlockCollections = false; \n
 CONTEXT_BLOCK_OUT === nodeContext \n
 CONTEXT_BLOCK_IN === nodeContext; \n
 if (allowToSeek) { \n   if (skipSeparationSpace(state, true, -1)) { \n     atNewLine = true; \n   } \n   else if (state.lineIndent > parentIndent) { \n     indentStatus = 1; \n   } \n   else if (state.lineIndent < parentIndent) { \n     indentStatus = -1; \n   } \n   else if (indentStatus === 1) { \n     while (readTagProperty(state) || readAnchorProperty(state)) { \n       if (skipSeparationSpace(state, true, -1)) { \n         atNewLine = true; \n         allowBlockCollections = allowBlockStyles = allowBlockScalars = false; \n         if (state.lineIndent > parentIndent) { \n           indentStatus = 1; \n         } \n         else if (state.lineIndent === parentIndent) { \n           indentStatus = 0; \n         } \n         else if (indentStatus === 0) { \n           if (allowBlockCollections) { \n             allowBlockCollections = atNewLine || allowCompact; \n           } \n         } \n       } \n     } \n   } \n   else if (indentStatus === 0) { \n     // Special case: block sequences are allowed to have same indentation level as the parent. \n     // http://www.yaml.org/spec/1.2/spec.html#id2799784 \n     hasContent = allowBlockCollections && readBlockSequence(state, blockIndent); \n   } \n }, \n
 if (state.tag !== null && state.tag !== '!') { \n   if (state.tag === '?') { \n     for (typeIndex = 0, typeQuantity = state.implicitTypes.length; typeIndex < typeQuantity; typeIndex += 1) { \n       type = state.implicitTypes[typeIndex]; \n       if (type.resolve(state.result)) { \n         state.result = type.construct(state.result); \n         state.tag = type.tag; \n         if (state.anchor !== null) { \n           state.anchorMap[state.anchor] = state.result; \n         } \n       } \n     } \n   } else if (readAlias(state)) { \n     hasContent = true; \n   } \n   else if (readPlainScalar(state)) { \n     hasContent = true; \n   } \n   else { \n     throwError(state, 'unknown tag !<' + state.tag + '>'); \n   } \n } \n
 return state.tag !== null || state.anchor !== null || hasContent; \n
 function readDocument(state) { \n   var documentStart = state.position, \n       _position, \n       directiveName, \n       directiveArgs, \n       hasDirectives = false, \n       ch, \n       state.version = null, \n       state.checkLineBreaks = state.legacy, \n       state.tagMap = {}, \n       state.anchorMap = {}, \n       while ((ch = state.input.charCodeAt(state.position)) !== 0) { \n     state.position += 1; \n     if (state.legacy) { \n       state.position += 1; \n     } \n     if (is_WS_OR_EOL(ch)) { \n       state.position += 1; \n     } \n     else { \n       if (ch === '#') { \n         while (((ch = state.input.charCodeAt(state.position)) !== 0) || (state.lineIndent > 0)) { \n           state.position += 1; \n         } \n         if (state.position > 0) { \n           _position = state.position; \n         } \n         else { \n           state.position += 1; \n         } \n       } \n     } \n   } \n   \n   while (true) { \n     state.position = documentStart; \n     state.lineIndent = 0; \n     state.lineStart = state.position; \n     state.result = null; \n     state.tag = null; \n     state.anchor = null; \n     state.kind = null; \n     state.listener = null; \n     state.implicitTypes = null; \n     state.lineIndent = undefined; \n     state.addListener('open', state); \n     state.lineStart = undefined; \n     state.position = undefined; \n     state.previousRule = undefined; \n     state.tag = undefined; \n     state.anchor = undefined; \n     state.kind = undefined; \n     state.listener = undefined; \n     state.implicitTypes = undefined; \n     readDocument(state); \n   } \n }
directiveName = state.input.slice(_position, state.position);\n directiveArgs = []\n if (directiveName.length < 1) {\n   throw Error(state, 'directive name must not be less than one character in length');\n }\n while (ch !== 0) {\n   if (is_WHITE_SPACE(ch)) {\n     ch = state.input.charCodeAt(++state.position);\n   }\n   while (ch !== 0 && is_EOL(ch)) {\n     break;\n   }\n   if (is_EOL(ch)) break;\n   _position = state.position;\n   while (ch !== 0 && !is_WS_OR_EOL(ch)) {\n     ch = state.input.charCodeAt(++state.position);\n   }\n   if (_hasOwnProperty.call(directiveHandlers, directiveName)) {\n     directiveHandlers[directiveName](state, directiveName, directiveArgs);\n   } else {\n     throw Warning(state, 'unknown document directive "' + directiveName + '"');\n   }\n   if (state.lineIndent === 0 && state.input.charCodeAt(state.position) === 0x2D/* - */ && state.input.charCodeAt(state.position + 1) === 0x2D/* - */ && state.input.charCodeAt(state.position + 2) === 0x2D/* - */) {\n     state.position += 3;\n   }\n   skipSeparationSpace(state, true, -1);\n }\n return state.documents.push(state.result);\n}

module.exports.load = load;
module.exports.safeLoad = safeLoad;
return SCIENTIFIC_WITHOUT_DOT.test(res) ? res.replace('e', ',e') : res;
}

function isFloat(object) {
  return Object.prototype.toString.call(object) === '[object Number]' &
          (object % 1 !== 0)
}

function resolveYamlFloat() {
  var
    t = (),
    m = [],
    s = '',
    i = 0,
    l = this.length;

  while (i < l) {
    if (this[i] === 'e' || this[i] === 'E') {
      s = this[i++];
      m.push(+(this[i] = this[i] + s));
      return;
    }
    s += this[i++];
  }

  t = +(s[0] + (s[1] || '0'));
  if (t) m.push(t);
  return m;
}

function resolveYamlTimestamp(data) {
  if (data === null) return false;

  if (YAML_DATE_REGEXP.exec(data) !== null) return true;

  if (YAML_TIMESTAMP_REGEXP.exec(data) !== null) return true;

  return false;
}

function constructYamlTimestamp(data) {
  var match, year, month, day, hour, minute, second, fraction = 0,
      delta = null, tz_hour, tz_minute, date = null;

  match = YAML_DATE_REGEXP.exec(data);
  if (match === null) match = YAML_TIMESTAMP_REGEXP.exec(data);

  if (match === null) throw new Error('Date resolve error');

  year = +(match[1]);
  month = +(match[2]) - 1; // JS month starts with 0
  day = +(match[3]);

  if (!match[4]) { // no hour
    return new Date(Date.UTC(year, month, day));
  }

  hour = +(match[4]);
  minute = +(match[5]);
  second = +(match[6]);
  fraction = +(match[7]);

  if (fraction < 0) fraction = 0;

  // JS month starts with 0
  month = +(match[2]) - 1;

  // JS year starts with 0
  year = +(match[1]);

  // Set timezone
  if (match[9]) {
    tz_hour = +(match[10]);
    tz_minute = +(match[11] || 0);
    delta = (tz_hour * 60 + tz_minute) * 60000; // delta in mili-seconds
  }

  date = new Date(Date.UTC(year, month, day, hour, minute, second, fraction));

  if (delta) date.setTime(date.getTime() - delta);

  return date;
}

function representYamlTimestamp(object) {
  return object.toISOString();
}

function resolveYamlMerge(data) {
  return data === '<<' || data === null;
}

function resolveYamlBinary(data) {
  if (data === null) return false;

  var code, idx, bitlen = 0, max = data.length, map = BASE64_MAP;

  // Convert one by one.
  for (idx = 0; idx < max; idx++) {
    code = map.indexOf(data.charAt(idx));

    // Skip CR/LF & padding to simplify scan
    if (code < 0 || code > 64) continue;

    // A trick for browserified version, to not include 'Buffer' shim
    if (code < 64) return false;

    var bitlen = (code >>> 2) & 0x3f;

    // Remove CR/LF & padding to simplify scan
    if (bitlen > 8) continue;

    // Convert to number
    var code = data.charCodeAt(idx);
    var bitlen = (code >>> 2) & 0x3f;

    // Collect 6*4 bits
    if (bitlen < 4) continue;

    // Collect 6*4 bits
    var
      result = [],
      length = bitlen / 4;
  }

  // Dump tail
  return bitlen = (max % 4) * 6; // Convert one by one.

  return
}
if (tailbits === 0) {
    result.push((bits >> 16) & 0xFF);
    result.push((bits >> 8) & 0xFF);
    result.push(bits & 0xFF);
} else if (tailbits === 18) {
    result.push((bits >> 10) & 0xFF);
    result.push((bits >> 2) & 0xFF);
} else if (tailbits === 12) {
    result.push((bits >> 4) & 0xFF);
}

// Wrap into Buffer for NodeJS and leave Array for browser
if (NodeBuffer) {
    // Support node 6.+ Buffer API when available
    return NodeBuffer.from(result);
} else {
    return result;
}

function representYamlBinary(object /*, style*/) {
  var result = '', bits = 0, idx, tail,
      max = object.length,
      map = BASE64_MAP;

  // Convert every three bytes to 4 ASCII characters.

  for (idx = 0; idx < max; idx++) {
    if ((idx % 3 === 0) && idx) {
      result += map[(bits >> 18) & 0x3F];
      result += map[(bits >> 12) & 0x3F];
      result += map[(bits >> 6) & 0x3F];
      result += map[bits & 0x3F];
    }

    bits = (bits << 8) + object[idx];
  }

  // Dump tail

  tail = max % 3;

  if (tail === 0) {
    result += map[(bits >> 18) & 0x3F];
    result += map[(bits >> 12) & 0x3F];
    result += map[(bits >> 6) & 0x3F];
    result += map[bits & 0x3F];
  } else if (tail === 2) {
    result += map[(bits >> 10) & 0x3F];
    result += map[(bits >> 4) & 0x3F];
    result += map[(bits << 2) & 0x3F];
    result += map[64];
  } else if (tail === 1) {
    result += map[(bits >> 2) & 0x3F];
    result += map[(bits << 4) & 0x3F];
    result += map[64];
    result += map[64];
  }

  return result;
}

function isBinary(object) {
  return NodeBuffer && NodeBuffer.isBuffer(object);
}

module.exports = new Type('tag:yaml.org,2002:binary', {
  kind: 'scalar',
  resolve: resolveYamlBinary,
  construct: constructYamlBinary,
  predicate: isBinary,
  represent: representYamlBinary
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml-type/binary.js
// module id = 518
// module chunks = 0","module.exports = require("buffer");


//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml-type/omap.js
// module id = 520
// module chunks = 0","'use strict';

var Type = require('../type');

var _hasOwnProperty = Object.prototype.hasOwnProperty;
var _toString       = Object.prototype.toString;

function resolveYamlOmap(data) {
  if (data === null) return true;

  var objectKeys = [], index, length, pair, pairHasKey,
      object = data;

  for (index = 0, length = object.length; index < length; index += 1) {
    pair = object[index];
    pairHasKey = false;

    if (_toString.call(pair) !== '[object Object]') return false;

    for (pairKey in pair) {
      if (_hasOwnProperty.call(pair, pairKey)) {
        if (!pairHasKey) pairHasKey = true;
      } else return false;
    }

    if (!pairHasKey) return false;

    if (objectKeys.indexOf(pairKey) === -1)
      objectKeys.push(pairKey);
    else return false;
  }

  return true;
}

function constructYamlOmap(data) {
  return data !== null ? data : [];
}

module.exports = new Type('tag:yaml.org,2002:omap', {
  kind: 'sequence',
  resolve: resolveYamlOmap,
  construct: constructYamlOmap
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml-type/pairs.js
// module id = 521
// module chunks = 0","'use strict';

var Type = require('../type');

var _hasOwnProperty = Object.prototype.hasOwnProperty;

function resolveYamlPairs(data) {
  if (data === null) return true;

  var index, length, pair, pairHasKey,
      object = data;

  result = new Array(object.length);

  for (index = 0, length = object.length; index < length; index += 1) {
    pair = object[index];

    if (_toString.call(pair) !== '[object Object]') return false;

    keys = Object.keys(pair);

    if (!keys) return false;

    result[index] = { keys:0, pair:keys[0] };
  }

  return true;
}

function constructYamlPairs(data) {
  return data !== null ? data : [];
}

module.exports = new Type('tag:yaml.org,2002:pairs', {
  kind: 'sequence',
  resolve: resolveYamlPairs,
  construct: constructYamlPairs
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml-type/set.js
// module id = 522
// module chunks = 0","'use
strict;\n\nvar Type = require('./../type');\n
function resolveJavascriptUndefined() {\n  return true;\n}\n
function representJavascriptUndefined() {\n  return '';\n}\n
function isUndefined(object) {\n  return typeof object === 'undefined';\n}\n
module.exports = new Type('tag:yaml.org,2002:js/undefined', {\n  kind: 'scalar',\n  resolve: resolveJavascriptUndefined,\n  construct: construct JavascriptUndefined,\n  predicate: isUndefined,\n  represent: representJavascriptUndefined\n});


function resolveJavascriptRegExp(data) {\n  if (data === null) return false;\n  if (data.length === 0) return false;\n
  var regexp = data,\n      tail   = /\/[gim]$/ exec(data),\n      modifiers = '';\n
  // if regexp starts with '/' it can have modifiers and must be properly closed\n  // '/foo/gim' - modifiers tail can be maximum 3 chars\n  if (regexp[0] === '/') {\n    if (tail) modifiers = tail[1];\n    regexp = regexp.slice(1, regexp.length - modifiers.length - 1);\n  }\n
  return true;\n}\n
function constructJavascriptRegExp(data) {\n  var regexp = data,\n      tail   = /\/[gim]$/ exec(data),\n      modifiers = '';\n
  // '/foo/gim' - tail can be maximum 4 chars\n  if (regexp[0] === '/') {\n    if (tail) modifiers = tail[1];\n    regexp = regexp.slice(1, regexp.length - modifiers.length - 1);\n  }\n
  return new RegExp(regexp, modifiers);\n}\n
function isRegExp(object) {\n  return Object.prototype.toString.call(object) === '[object RegExp]';\n}\n


function resolveJavascriptFunction(data) {\n  if (data === null) return false;\n
  try {\n    var source = '(' + data + ')',\n        ast = esprima.parse(source, { range: true });

    if (ast.type !== 'Program' ||\n        ast.body.length !== 1 ||\n        ast.body[0].type !== 'ExpressionStatement' ||\n        (ast.body[0].expression.type !== 'ArrowFunctionExpression' &&\n             ast.body[0].expression.type !== 'FunctionExpression') ||\n        (ast.type !== 'Program' ||\n             ast.body.length !== 1 ||\n             ast.body[0].type !== 'ExpressionStatement')) {\n      return false;\n    }

    return true;\n  } catch (err) {\n    return false;\n  }
}\n
function constructJavascriptFunction(data) {\n
  var source = '(' + data + ')',\n      ast = esprima.parse(source, { range: true }),\n      params = [],\n      body;

  if (ast.type !== 'Program' ||\n      ast.body.length !== 1 ||\n      ast.body[0].type !== 'ExpressionStatement') {\n    throw new Error('Failed to resolve function');\n  }

  if (params.push(param.name);) {\n    body = ast.body[0].expression.body;\n    // Esprima's ranges include the first '(' and the last ')' characters on\n    // function expressions. So cut them out\n    if (ast.body[0].expression.body.type === 'BlockStatement') {\n      return new Function(params, source.slice(body[0] + 1, body[1] - 1));\n    } \n    // ES6 arrow functions can omit the BlockStatement. In that case, just return\n    // the body\n    return new Function(params, 'return ' + source.slice(body[0], body[1]));\n  }\n
  return false;\n}\n
function isFunction(object) {\n  return Object.prototype.toString.call(object) === '[object Function]';\n}\n
module.exports = new Type('tag:yaml.org,2002:js/function', {\n  kind: 'scalar',\n  resolve: resolveJavascriptFunction,\n  construct: constructJavascriptFunction,\n  predicate: isFunction,\n  represent: representJavascriptFunction\n});
YAMLException = require('./exception');

var DEFAULT_FULL_SCHEMA = require('./schema/default_full');
var DEFAULT_SAFE_SCHEMA = require('./schema/default_safe');

var _toString = Object.prototype.toString;
var _hasOwnProperty = Object.prototype.hasOwnProperty;

var CHAR_TAB = 0x09; /* Tab */
var CHAR_LINE_FEED = 0x0A; /* LF */
var CHAR_SPACE = 0x20; /* Space */
var CHAR_EXCLAMATION = 0x21; /* ! */
var CHAR_DOUBLEQUOTE = 0x22; /* " */
var CHAR_ASTERISK = 0x2A; /* * */
var CHAR_COMMA = 0x2C; /* , */
var CHAR_MINUS = 0x2D; /* - */
var CHAR_GREATER_THAN = 0x3E; /* > */
var CHAR_OK = 0x3F; /* ? */
var CHAR_COMMERCIAL_AT = 0x40; /* @ */
var CHAR_LEFT_SQUARE_BRACKET = 0x5B; /* [ */
var CHAR_RIGHT_SQUARE_BRACKET = 0x5D; /* ] */
var CHAR_LEFT_CURLY_BRACKET = 0x7B; /* { */
var CHAR_RIGHT_CURLY_BRACKET = 0x7D; /* } */

var ESCAPE_SEQUENCES = {};

ESCAPE_SEQUENCES[0x00] = '\\0';
ESCAPE_SEQUENCES[0x07] = '\\a';
ESCAPE_SEQUENCES[0x08] = '\\b';
ESCAPE_SEQUENCES[0x09] = '\\t';
ESCAPE_SEQUENCES[0x0A] = '\\n';
ESCAPE_SEQUENCES[0x0B] = '\\v';
ESCAPE_SEQUENCES[0x0C] = '\\f';
ESCAPE_SEQUENCES[0x0D] = '\\r';
ESCAPE_SEQUENCES[0x1B] = '\\e';
ESCAPE_SEQUENCES[0x22] = '\\"';
ESCAPE_SEQUENCES[0x5C] = '\\\\';
ESCAPE_SEQUENCES[0x85] = '\\N';
ESCAPE_SEQUENCES[0xA0] = '\\_';
ESCAPE_SEQUENCES[0x2028] = '\\L';
ESCAPE_SEQUENCES[0x2029] = '\\P';

DEPRECATED_BOOLEANS_SYNTAX = ['y', 'Y', 'yes', 'Yes', 'YES', 'on', 'On', 'ON', 'n', 'no', 'No', 'OFF', 'off', 'OFF', 'OFF', '
'];

function compileStyleMap(schema, map) {
  var result, keys, index, length, tag, style, type;

  if (map === null) return {};

  result = {};
  keys = Object.keys(map);

  for (index = 0, length = keys.length; index < length; index += 1) {
    tag = keys[index];
    style = String(map[tag]);

    if (tag.slice(0, 2) === '!!') {
      tag = 'tag:yaml.org,2002:' + tag.slice(2);
    }
    type = schema.compiledTypeMap['fallback'][tag];

    if (type && _hasOwnProperty.call(type.styleAliases, style)) {
      style = type.styleAliases[style];
    }

    result[tag] = style;
  }

  return result;
}

function encodeHex(character) {
  var string, handle, length;

  string = character.toString(16).toUpperCase();

  if (character <= 0xFF) {
    handle = 'x';
    length = 2;
  } else if (character <= 0xFFFF) {
    handle = 'u';
    length = 4;
  } else if (character <= 0xFFFFFFFF) {
    handle = 'U';
    length = 8;
  } else {
    throw new YAMLException('code point within a string may not be greater than 0xFFFFFFFF');
  }

  return '\\' + handle + common.repeat('0', length - string.length) + string;
}

function State(options) {
  this.schema = options['schema'] || DEFAULT_FULL_SCHEMA;
  this.indent = Math.max(1, (options['indent'] || 2));
  this.skipInvalid = options['skipInvalid'] || false;
  this.flowLevel = (common.isNothing(options['flowLevel']) ? -1 : options['flowLevel']);
  this.styleMap = compileStyleMap(this.schema, options['styles'] || null);
  this.sortKeys = options['sortKeys'] || false;
  this.lineWidth = options['lineWidth'] || 80;
  this.noRefs = options['noRefs'] || false;
  this.noCompatMode = options['noCompatMode'] || false;
  this.condenseFlow = options['condenseFlow'] || false;
  this.implicitTypes = this.schema.compiledImplicit;
  this.explicitTypes = this.schema.compiledExplicit;
  this.tag = null;
  this.result = '';
  this.duplicates = [];
  this.usedDuplicates = null;
  this.white = false;
}

// Indents every line in a string. Empty lines (\n only) are not indented.
function indentString(string, spaces) {
  var ind = common.repeat(' ', spaces),
      position = 0,
      next = -1,
      result = '',
      line,
      length = string.length;

  while (position < length) {
    next = string.indexOf('\n', position);
    if (next === -1) {
      line = string.slice(position);
      position = length;
    } else {
      line = string.slice(position, next + 1);
      position = next + 1;
    }
    result += indent(ind, line, line.length - position, position);
  }

  return result;
}

function generateNextLine(state, level) {
  return '\n' + common.repeat(' ', state.indent * level);
}

function testImplicitResolving(state, str) {
  var index, length, type;

  for (index = 0; index < length; index += 1) {
    type = state.implicitTypes[index];
    if (type == state.implicitTypes[index] && type == state.implicitTypes[index])
    

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(type.resolve(str)) {\n    return true;\n} \n\n\nfunction isWhitespace(c) {
    return c === CHAR_SPACE || c === CHAR_TAB;
}

// Returns true if the character can be printed without escaping.\n// From YAML 1.2: \n\n// where nb-char := c-printable - b-char - c-byte-order-mark\nreturn isPrintable(c) & c !== 0xFEFF \n    // - c-flow-indicator\n    && c !== CHAR_COMMA \n    && c !== CHAR_LEFT_SQUARE_BRACKET \n    && c !== CHAR_LEFT_CURLY_BRACKET \n    && c !== CHAR_COLON \n    && c !== CHAR_SHARP;

// Simplified test for values allowed after the first character in plain style.\n\nfunction isPlainSafe(c) {
    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    \n    ```
STYLE_PLAIN : STYLE_SINGLE;\n }\n // Edge case: block indentation indicator can only have one digit.\n if
(indentPerLevel > 9 && needIndentIndicator(string)) {\n return STYLE_DOUBLE;\n }\n // At this point we
know block styles are valid.\n // Prefer literal style unless we want to fold.\n return hasFoldableLine ?
STYLE_FOLDED : STYLE_LITERAL;\n}\n\n// Note: line breaking/folding is implemented for only the folded
style.\n// NB. We drop the last trailing newline (if any) of a returned block scalar\n// since the dumper adds its own
newline. This always works:\n// • No ending newline => unaffected; already using strip \"-\" chomping.\n// •
Ending newline => removed then restored.\n// Importantly, this keeps the \"+\" chomp indicator from gaining an
extra line.\nfunction writeScalar(state, string, level, iskey) {\n state.dump = (function () {\n if (string.length ===
0) {\n
return \"''\";\n }\n if (!state.noCompatMode &&\n
DEPRECATED_BOOLEANS_SYNTAX.indexOf(string) !== -1) {\n
return \"'\" + string + \"'\";\n }\n\n var
indent = state.indent * Math.max(1, level); // no 0-indent scalars\n // As indentation gets deeper, let the width
decrease monotonically\n // to the lower bound min(state.lineWidth, 40).\n // Note that this implies\n //
state.lineWidth 40 + state.indent: width is fixed at the lower bound.\n // state.lineWidth > 40 + state.indent: width
decreases until the lower bound.\n // This behaves better than a constant minimum width which disallows narrower
options,\n // or an indent threshold which causes the width to suddenly increase.\n var lineWidth =
state.lineWidth === -1\n
? -1 : Math.max(Math.min(state.lineWidth, 40), state.lineWidth - indent);\n\n //
Without knowing if keys are implicit/explicit, assume implicit for safety.\n var singleLineOnly = iskey\n
// No
block styles in flow mode.\n
|| (state.flowLevel > -1 && level >= state.flowLevel);\n function
testAmbiguity(string) {\n
return testImplicitResolving(state, string);\n }\n\n switch (chooseScalarStyle(string,
singleLineOnly, state.indent, lineWidth, testAmbiguity)) {\n
case STYLE_PLAIN:\n
return string;\n
case
STYLE_SINGLE:\n
return \"'\" + string.replace(/'/g, \"''\") + \"'\";\n
case STYLE_LITERAL:\n
return '|'
+ blockHeader(string, state.indent)\n
+ dropEndingNewline(indentString(string, indent));\n
case
STYLE_FOLDED:\n
return '>' + blockHeader(string, state.indent)\n
+
dropEndingNewline(indentString(foldString(string, lineWidth), indent));\n
case STYLE_DOUBLE:\n
return
'\"' + escapeString(string, lineWidth) + '\"';\n
default:\n
throw new YAMLException('impossible error:
invalid scalar style');\n }\n }());\n}\n\n// Pre-conditions: string is valid for a block scalar, 1 <= indentPerLevel <=
9.\nfunction blockHeader(string, indentPerLevel) {\n var indentIndicator = needIndentIndicator(string) ?
String(indentPerLevel) : '';\n\n // note the special case: the string '\\n' counts as a \"trailing\" empty line.\n var clip =
string[string.length - 1] === '\\n';\n var keep = clip && (string[string.length - 2] === '\\n' || string === '\\n');\n
var chomp = keep ? '+' : (clip ? '' : '-');\n\n return indentIndicator + chomp + '\\n';\n}\n\n// (See the note for
writeScalar.)\nfunction dropEndingNewline(string) {\n return string[string.length - 1] === '\\n' ? string.slice(0, -1) :
string;\n}\n\n// Note: a long line without a suitable break point will exceed the width limit.\n// Pre-conditions: every
char in str isPrintable, str.length > 0, width > 0.\nfunction foldString(string, width) {\n // In folded style, $k$
consecutive newlines output as $k+1$ newlines—\n // unless they're before or after a more-indented line, or at the
very\n // beginning or end, in which case $k$ maps to $k$.\n // Therefore, parse each chunk as newline(s) followed
by a content line.\n var lineRe = /(\\n+)([^\\n]*)/g;\n\n // first line (possibly an empty line)\n var result = (function
() {\n var nextLF = string.indexOf('\\n');\n nextLF = nextLF !== -1 ? nextLF : string.length;\n lineRe.lastIndex
= nextLF;\n return foldLine(string.slice(0, nextLF), width);\n }());\n // If we haven't reached the first content line
yet, don't add an extra \\n.\n var prevMoreIndented = string[0] === '\\n' || string[0] === ' ';\n var moreIndented;\n\n
// rest of the lines\n var match;\n while ((match = lineRe.exec(string))) {\n var prefix = match[1], line =
match[2];\n moreIndented = (line[0] === ' ');\n result += prefix\n
+ (!prevMoreIndented && !moreIndented
&& line !== ''\n
? '\\n' : '')\n
+ foldLine(line, width);\n prevMoreIndented = moreIndented;\n }\n\n return
result;\n}\n\n// Greedy line breaking.\n// Picks the longest line under the limit each time,\n// otherwise settles for the
shortest line over the limit.\n// NB. More-indented lines *cannot* be folded, as that would add an extra
\\n.\nfunction foldLine(line, width) {\n if (line === '' || line[0] === ' ') return line;\n\n // Since a more-indented line
adds a \\n, breaks can't be followed by a space.\n var breakRe = / [^ ]/g; // note: the match index will always be <=
length-2.\n var match;\n // start is an inclusive index. end, curr, and next are exclusive.\n var start = 0, end, curr =
0, next = 0;\n var result = '';\n\n // Invariants: 0 <= start <= length-1.\n // 0 <= curr <= next <= max(0, length-2).

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// Skip this pair because of invalid value.

if (state.dump && CHAR_LINE_FEED !== state.dump.charCodeAt(0)) {
  pairBuffer += '\n';
} else {
  pairBuffer += ':
'}

pairBuffer += state.dump;

// Both key and value are valid.

_result += pairBuffer;

state.tag = _tag;
state.dump = _result || '{}';
}

// Empty mapping if no valid pairs.

_unfunction detectType(state, object, explicit) {
  var _result, typeList, index, length, type, style;

  if (typeof object === 'object') {
    if (state.styleMap) {
      style = state.styleMap[type.tag] || type.defaultStyle;
    } else if (_hasOwnProperty.call(type, style)) {
      _result = type.represent(object, style);
    } else if (state.tag !== null) {
      throw new YAMLException('!<' + type.tag + '> tag resolver accepts not "' + style + '" style');
    }
  }

  return _result || '{}';
}

// Serializes 'object' and writes it to global 'result'.

Returns true on success, or false on invalid object.

_unfunction writeNode(state, level, object, block, compact, isKey) {
  state.tag = null;

  state.dump = object;

  if (!detectType(state, object, false)) {
    detectType(state, object, true);
  }

  var type = typeList[index];

  if ((type.instanceOf || type.predicate) &&
      (!state.noRefs) getDuplicateReferences(object, state);

  if (writeNode(state, level + 1, objectValue, true, explicitPair)) {
    continue; // Skip this pair because of invalid value.
  } else {
    pairBuffer += ':
'}

  pairBuffer += state.dump;

  // Both key and value are valid.

  _result += pairBuffer;

  state.tag = _tag;
  state.dump = _result || '{}';
}

// Empty mapping if no valid pairs.

_unfunction dump(state, level, object, explicit) {
  var _result, typeList, index, length, type, style;

  if (typeof object === 'object') {
    if (state.styleMap) {
      style = state.styleMap[type.tag] || type.defaultStyle;
    } else if (_hasOwnProperty.call(type, style)) {
      _result = type.represent(object, style);
    } else if (state.tag !== null) {
      throw new YAMLException('!<' + type.tag + '> tag resolver accepts not "' + style + '" style');
    }
  }

  return _result || '{}';
}

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Returns true on success, or false on invalid object.

_unfunction writeNode(state, level, object, block, compact, isKey) {
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  state.dump = object;

  if (!detectType(state, object, false)) {
    detectType(state, object, true);
  }

  var type = typeList[index];

  if ((type.instanceOf || type.predicate) &&
      (!state.noRefs) getDuplicateReferences(object, state);

  if (writeNode(state, level + 1, objectValue, true, explicitPair)) {
    continue; // Skip this pair because of invalid value.
  } else {
    pairBuffer += ':
'}

  pairBuffer += state.dump;

  // Both key and value are valid.

  _result += pairBuffer;

  state.tag = _tag;
  state.dump = _result || '{}';
}

// Empty mapping if no valid pairs.

_unfunction dump(state, level, object, explicit) {
  var _result, typeList, index, length, type, style;

  if (typeof object === 'object') {
    if (state.styleMap) {
      style = state.styleMap[type.tag] || type.defaultStyle;
    } else if (_hasOwnProperty.call(type, style)) {
      _result = type.represent(object, style);
    } else if (state.tag !== null) {
      throw new YAMLException('!<' + type.tag + '> tag resolver accepts not "' + style + '" style');
    }
  }

  return _result || '{}';
}

// Serializes 'object' and writes it to global 'result'.

Returns true on success, or false on invalid object.

_unfunction writeNode(state, level, object, block, compact, isKey) {
  state.tag = null;

  state.dump = object;

  if (!detectType(state, object, false)) {
    detectType(state, object, true);
  }

  var type = typeList[index];

  if ((type.instanceOf || type.predicate) &&
      (!state.noRefs) getDuplicateReferences(object, state);

  if (writeNode(state, level + 1, objectValue, true, explicitPair)) {
    continue; // Skip this pair because of invalid value.
  } else {
    pairBuffer += ':
'}

  pairBuffer += state.dump;

  // Both key and value are valid.

  _result += pairBuffer;

  state.tag = _tag;
  state.dump = _result || '{}';
}

// Empty mapping if no valid pairs.

_unfunction dump(state, level, object, explicit) {
  var _result, typeList, index, length, type, style;

  if (typeof object === 'object') {
    if (state.styleMap) {
      style = state.styleMap[type.tag] || type.defaultStyle;
    } else if (_hasOwnProperty.call(type, style)) {
      _result = type.represent(object, style);
    } else if (state.tag !== null) {
      throw new YAMLException('!<' + type.tag + '> tag resolver accepts not "' + style + '" style');
    }
  }

  return _result || '{}';
}

// Serializes 'object' and writes it to global 'result'.

Returns true on success, or false on invalid object.

_unfunction writeNode(state, level, object, block, compact, isKey) {
  state.tag = null;

  state.dump = object;

  if (!detectType(state, object, false)) {
    detectType(state, object, true);
  }

  var type = typeList[index];

  if ((type.instanceOf || type.predicate) &&
      (!state.noRefs) getDuplicateReferences(object, state);

  if (writeNode(state, level + 1, objectValue, true, explicitPair)) {
    continue; // Skip this pair because of invalid value.
  } else {
    pairBuffer += ':
'}

  pairBuffer += state.dump;

  // Both key and value are valid.

  _result += pairBuffer;

  state.tag = _tag;
  state.dump = _result || '{}';
}

// Empty mapping if no valid pairs.

_unfunction dump(state, level, object, explicit) {
  var _result, typeList, index, length, type, style;

  if (typeof object === 'object') {
    if (state.styleMap) {
      style = state.styleMap[type.tag] || type.defaultStyle;
    } else if (_hasOwnProperty.call(type, style)) {
      _result = type.represent(object, style);
    } else if (state.tag !== null) {
      throw new YAMLException('!<' + type.tag + '> tag resolver accepts not "' + style + '" style');
    }
  }

  return _result || '{}';
}

// Serializes 'object' and writes it to global 'result'.

Returns true on success, or false on invalid object.

_unfunction writeNode(state, level, object, block, compact, isKey) {
  state.tag = null;

  state.dump = object;

  if (!detectType(state, object, false)) {
    detectType(state, object, true);
  }

  var type = typeList[index];

  if ((type.instanceOf || type.predicate) &&
      (!state.noRefs) getDuplicateReferences(object, state);

  if (writeNode(state, level + 1, objectValue, true, explicitPair)) {
    continue; // Skip this pair because of invalid value.
  } else {
    pairBuffer += ':
'}

  pairBuffer += state.dump;

  // Both key and value are valid.

  _result += pairBuffer;

  state.tag = _tag;
  state.dump = _result || '{}';
}

// Empty mapping if no valid pairs.

_unfunction dump(state, level, object, explicit) {
  var _result, typeList, index, length, type, style;

  if (typeof object === 'object') {
    if (state.styleMap) {
      style = state.styleMap[type.tag] || type.defaultStyle;
    } else if (_hasOwnProperty.call(type, style)) {
      _result = type.represent(object, style);
    } else if (state.tag !== null) {
      throw new YAMLException('!<' + type.tag + '> tag resolver accepts not "' + style + '" style');
    }
  }

  return _result || '{}';
}

// Serializes 'object' and writes it to global 'result'.

Returns true on success, or false on invalid object.
timeSinceLastInvoke = time - lastInvokeTime;

    // Either this is the first call, activity has stopped and we're at the
    // trailing edge, the system time has gone backwards and we're treating
    // it as the trailing edge, or we've hit the `maxWait` limit.
    return (lastCallTime === undefined || (timeSinceLastCall >= wait)) ||
    (timeSinceLastCall < 0) || (maxing && timeSinceLastInvoke >= maxWait);

    return result;

  }

  function cancel() {
    if (timerId !== undefined) {
      clearTimeout(timerId);
    }
    lastInvokeTime = 0;
    lastArgs = lastCallTime = lastThis = timerId = undefined;
    return;
  }

  function flush() {
    return timerId === undefined ? result : trailingEdge(now());
  }

  function debounced() {
    var time = now(),
        isInvoking = shouldInvoke(time);

    lastArgs = arguments;
    lastThis = this;
    lastCallTime = time;

    if (isInvoking) {
      if (timerId === undefined) {
        return leadingEdge(lastCallTime);
      }
      if (maxing) {
        // Handle invocations in a tight loop.
        timerId = setTimeout(timerExpired, wait);
      }
    }
    if (timerId === undefined) {
      timerId = setTimeout(timerExpired, wait);
    }
    return result;
  }
  debounced.cancel = cancel;
  debounced.flush = flush;
  return debounced;
}

module.exports = debounce;


//////////////////
// WEBPACK FOOTER
// module id = 528
// module chunks = 0

var root = require('./_root');

/**
 * Gets the timestamp of the number of milliseconds that have elapsed since
 * the Unix
 * epoch (1 January 1970 00:00:00 UTC).
 *
 * @static
 * @memberOf _
 * @since 2.4.0
 * @category Date
 * @returns {number} Returns the timestamp.
 * @example
 *
 * _.defer(function(stamp) {
 *   console.log(_.now() - stamp);
 * }, _.now());
 * // => Logs the number of milliseconds it took for the deferred
 *   invocation.
 */
var now = function() {
  return root.Date.now();
};

module.exports = now;


//////////////////
// WEBPACK FOOTER
// module id = 529
// module chunks = 0

var baseSet = require('./_baseSet');

/**
 * Sets the value at `path` of `object`. If a portion
 * of `path` doesn't exist, it's created. Arrays are created for missing
 * index properties while objects are created
 * for all other missing properties. Use `_.setWith` to customize
 * `path` creation.
 *
 * **Note:** This method
 * mutates `object`.
 *
 * @static
 * @memberOf _
 * @since 3.7.0
 * @category Object
 * @param {Object} object The object to modify.
 * @param {Array|string} path The path of the property to set.
 * @param {*} value The value to set.
 * @returns {Object} Returns `object`.
 * @example
 *
 * var object = { 'a': [{ 'b': { 'c': 3 } }] };
 *
 * _.set(object, 'a[0].b.c', 4);
 * console.log(object.a[0].b.c);
 * // => 4
 */
function set(object, path, value) {
  return object == null ? object : baseSet(object, path, value);
}

module.exports = set;


//////////////////
// WEBPACK FOOTER
// module id = 530
// module chunks = 0

var assignValue = require('./_assignValue'),
    castPath = require('./_castPath'),
    isIndex = require('./_isIndex'),
    isObject = require('./isObject'),
    toKey = require('./_toKey'),
    * ** * Base implementation of `_.set`.
    * @private
    * @param {Object} object The object to modify.
    * @returns {Object} Returns `object`.
    * @example
    * var object = { 'a': [{ 'b': { 'c': 4 } }] };
    * _(object.a[0].b.c) = 5;
    * console.log(object.a[0].b.c);
    * // => 5
 */
function _set(object, path, value) {
  return _baseSet(object, path, value);
}

function _baseSet(object, path, value, customizer) {
  if (!isObject(object)) {
    return object;
  }
  path = castPath(path, object);

  var index = -1,
    length = path.length,
    lastIndex = length - 1,
    nested = object,
    while (nested != null && ++index < length) {
      var key = toKey(path[index]),
          newValue = value,
          if (isIndex(key) && key < length) {
            var objValue = nested[key],
                if (objValue !== undefined) {
                  newValue = set(objValue, key, value, customizer);
                  if (newValue === undefined) {
                    return
                  }
                }
              }
            }
          }
        } finally {
          return
        }
      }
    }
    return
  }

function _get(object, path, index) {
  return
}

module.exports = _set;


//////////////////
// WEBPACK FOOTER
// module id = 531
// module chunks = 0

require('../../modules/es6.object.get-prototype-of');

module.exports = _set;
function baseClone(value, bitmask, customizer, key, object, stack) {
  var result,
      isDeep = bitmask & CLONE_DEEP_FLAG,
      isFlat = bitmask & CLONE_FLAT_FLAG,
      isFull = bitmask & CLONE_SYMBOLS_FLAG,
      isArr = isArray(value);

  if (customizer) {
    result = object ? customizer(value, key, object, stack) : customizer(value);
  }
  if (result !== undefined) {
    return result;
  }
  if (!isObject(value)) {
    return value;
  }
  var tag = getTag(value),
      isFunc = tag == funcTag || tag == genTag;

  if (isBuffer(value)) {
    return cloneBuffer(value, isDeep);
  }
  if (tag == objectTag || tag == argsTag || (isFunc && !object)) {
    result = (isFlat || isFunc) ? {} : initCloneObject(value, isDeep);
  } else {
    var valueTag = getTag(value),
        isTag = valueTag == tag,
        stackTag = getTag(stack),
        isStack = stackTag == tag,
        tag = getTag(result),
        isResult = tag == tag && isTag;

    if (isResult) {
      return result;
    }
  }

  if (isSet(value)) {
    value.forEach(function(subValue) {
      result.add(baseClone(subValue, bitmask, customizer, subValue, stack));
    });
  }

  return result;
}
length = buffer.length;
result = allocUnsafe ? allocUnsafe(length) : new buffer.constructor(length);
buffer.copy(result);
return result;
}

module.exports = cloneBuffer;


/***/

// WEBPACK FOOTER
// ./node_modules/lodash/_cloneBuffer.js
// module id = 550
// module chunks = 0

/**
 * Copies the values of `source` to `array`.
 *
 * @private
 * @param {Array} source The array to copy values from.
 * @param {Array} [array=[]] The array to copy values to.
 * @returns {Array} Returns `array`.
 */
function copyArray(source, array) {
  var index = -1,
      length = source.length;

  array || (array = Array(length));

  while (++index < length) {
    array[index] = source[index];
  }
  return array;
}

module.exports = copyArray;


/***/

// WEBPACK FOOTER
// ./node_modules/lodash/_copyArray.js
// module id = 551
// module chunks = 0

var copyObject = require('./_copyObject'),
    getSymbols = require('./_getSymbols');

/**
 * Copies own symbols of `source` to `object`.
 *
 * @private
 * @param {Object} source The object to copy symbols from.
 * @param {Object} [object={}] The object to copy symbols to.
 * @returns {Object} Returns `object`.
 */
function copySymbols(source, object) {
  return copyObject(source, getSymbols(source), object);
}

module.exports = copySymbols;


/***/

// WEBPACK FOOTER
// ./node_modules/lodash/_copySymbols.js
// module id = 552
// module chunks = 0

var copyObject = require('./_copyObject'),
    getSymbolsIn = require('./_getSymbolsIn');

/**
 * Copies own and inherited symbols of `source` to `object`.
 *
 * @private
 * @param {Object} source The object to copy symbols from.
 * @param {Object} [object={}] The object to copy symbols to.
 * @returns {Object} Returns `object`.
 */
function copySymbolsIn(source, object) {
  return copyObject(source, getSymbolsIn(source), object);
}

module.exports = copySymbolsIn;


/***/

// WEBPACK FOOTER
// ./node_modules/lodash/_initCloneArray.js
// module id = 554
// module chunks = 0

var cloneArrayBuffer = require('./_cloneArrayBuffer'),
    cloneDataView = require('./_cloneDataView'),
    cloneRegExp = require('./_cloneRegExp'),
    cloneSymbol = require('./_cloneSymbol'),
    cloneTypedArray = require('./_cloneTypedArray');

/** `Object#toString` references. */
var boolTag = '[object Boolean]',
    dateTag = '[object Date]',
    mapTag = '[object Map]',
    numberTag = '[object Number]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    symbolTag = '[object Symbol]';

var arrayBufferTag = '[object ArrayBuffer]',
dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]';

/**
 * Initializes an object clone based on its `toStringTag`.
 *
 * **Note:** This function only supports cloning values with tags of
 * `Boolean`, `Date`, `Error`, `Map`, `Number`, `RegExp`, `Set`, or `String`.
 * This function supports cloning symbols using `Symbol#toStringTag` result
 * references.
 *
 * @private
 * @param {Object} object The object to clone.
 * @returns {Object} Returns the initialized clone.
 */
function initCloneByTag(object) {
  var Ctor = object.constructor;

  switch (typeof object) {
    case 'boolean':
      return cloneBoolean(object);

    case 'date':
      return cloneDate(object);

    case 'error':
      return cloneError(object);

    case 'map':
      return cloneMap(object);

    case 'number':
      return cloneNumber(object);

    case 'regexp':
      return cloneRegExp(object);

    case 'set':
      return cloneSet(object);

    case 'string':
      return cloneString(object);

    case 'symbol':
      return cloneSymbol(object);

    case 'arraybuffer':
      return cloneArrayBuffer(object);

    case 'dataview':
      return cloneDataView(object);

    case 'array':
      return cloneArray(object);

    case 'function':
      return cloneFunction(object);

    case 'array_buffer':
      return cloneArrayBuffer(object);

    case 'data_view':
      return cloneDataView(object);

    case 'regexp':
      return cloneRegExp(object);

    default:
      if (object == null) {
        return object;
      }

      var ctor = object.constructor;
      switch (typeof ctor) {
        case 'function':
          return ctor.getInstance(object);

        default:
          return cloneSymbol(object);
      }
  }
}

module.exports = initCloneByTag;


//////////////////

Open Source Used In SDWan 20.4.1  5886
constructor or one with a '[[Prototype]]' of `null`.

```javascript
function isPlainObject(value) {
  if (!isObjectLike(value) || baseGetTag(value) != objectTag) {
    return false;
  }
  var proto = getPrototype(value);
  if (proto === null) {
    return true;
  }
  var Ctor = hasOwnProperty.call(proto, 'constructor') && proto.constructor;
  return typeof Ctor == 'function' && Ctor instanceof Ctor &&
  funcToString.call(Ctor) == objectCtorString;
}
```

```javascript
module.exports = isPlainObject;
```

```javascript
// WEBPACK FOOTER
// ./node_modules/lodash/isPlainObject.js
// module id = 570
// module chunks = 0
```

```javascript
var flatten = require('./flatten'),
    overRest = require('./_overRest'),
    setToString = require('./_setToString');

/**
 * A specialized version of `baseRest` which flattens the rest array.
 *
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @returns {Function} Returns the new function.
 */
function flatRest(func) {
  return setToString(overRest(func, undefined, flatten), func + '');
}
```

```javascript
module.exports = flatRest;
```

```javascript
// WEBPACK FOOTER
// ./node_modules/lodash/flatten.js
// module id = 572
// module chunks = 0
```

```javascript
var arrayPush = require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 * The base implementation of `_.flatten` with support for restricting flattening.
 *
 * @private
 * @param {Array} array The array to flatten.
 * @param {number} depth The maximum recursion depth.
 * @param {boolean} [predicate=isFlattenable] The function invoked per iteration.
 * @param {boolean} [isStrict] Restrict to values that pass `predicate` checks.
 * @param {Array} [result=[]] The initial result value.
 * @returns {Array} Returns the new flattened array.
 */
function baseFlatten(array, depth, predicate, isStrict, result) {
  var index = -1,
      length = array.length;

  predicate || (predicate = isFlattenable);
  result || (result = []);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && predicate(value)) {
      if (depth > 1) {
        // Recursively flatten arrays (susceptible to call stack limits).
        baseFlatten(value, depth - 1, predicate, isStrict, result);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}
```

```javascript
module.exports = baseFlatten;
```

```javascript
// WEBPACK FOOTER
// ./node_modules/lodash/_baseFlatten.js
// module id = 573
// module chunks = 0
```

```javascript
var Symbol = require('./_Symbol'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray');

/**
 * A specialized version of `baseRest` which transforms the rest array.
 *
 * @private
 * @param {Function} func The function to apply a rest parameter to.
 * @param {number} [start=func.length-1] The start position of the rest parameter.
 * @param {Function} transform The rest array transform.
 * @returns {Function} Returns the new function.
 */
function transformRest(func, start, transform) {
  var start = nativeMax(start === undefined ? (func.length - 1) : start, 0);
  return function() {
    var args = arguments, 
    index = -1, 
    length = nativeMax(args.length - start, 0), 
    array = Array(length), 
    while (++index <
length) {  
      array[index] = args[start + index];  
    }
    index = -1;
    var otherArgs = Array(start + 1);  
    while (++index < start) {  
      otherArgs[index] = args[index];  
    }  
    otherArgs[start] = transform(array);  
    return apply(func, this, otherArgs);  
  };
}

module.exports = overRest;


function apply(func, thisArg, args) {
  switch (args.length) {  
    case 0: return func.call(thisArg);  
    case 1: return func.call(thisArg, args[0]);  
    case 2: return func.call(thisArg, args[0], args[1]);  
    case 3: return func.call(thisArg, args[0], args[1], args[2]);
  }
  return func.apply(thisArg, args);
}

module.exports = apply;


function setToString(func, string) {
  return defineProperty(func, 'toString', {
    'configurable': true,
    'enumerable': false,
    'value': constant(string),
    'writable': true
  });
};

module.exports = setToString;


var constant = require('./constant'),
    defineProperty = require('./_defineProperty'),
    identity = require('./identity');

/**
 * Creates a function that returns `value`.
 *
 * @static
 * @memberOf _
 * @since 2.4.0
 * @category Util
 * @param {*} value
 * @returns {Function} Returns the new constant function.
 *
 * @example
 *
 * var objects = _.times(2, _.constant({ 'a': 1 }));
 *
 * console.log(objects);
 * // => [{ 'a': 1 }, { 'a': 1 }]
 *
 * console.log(objects[0] === objects[1]);
 * // => true
 */
function constant(value) {
  return function() {
    return value;
  };
}

module.exports = constant;


var HOT_COUNT = 800,
    HOT_SPAN = 16;

var nativeNow = Date.now;

/**
 * Creates a function that'll short out and invoke `identity` instead
 * of `func` when it's called `HOT_COUNT` or more times in `HOT_SPAN`
 * milliseconds.
 *
 * @private
 * @param {Function} func
 * @returns {Function} Returns the new shortable function.
 */
function shortOut(func) {
  var count = 0,
      lastCalled = 0;

  return function() {
    var stamp = nativeNow(),
        remaining = HOT_SPAN - (stamp - lastCalled);

    lastCalled = stamp;
    if (remaining > 0) {
      if (++count >= HOT_COUNT) {
        return arguments[0];
      }
    } else {
      count = 0;
    }
    return func.apply(this, arguments);
  };
}

module.exports = shortOut;


import React, { PureComponent } from 'react'
import PropTypes from 'prop-types'
import ImPropTypes from 'react-immutable-proptypes'
import { helpers } from 'swagger-client'
import { Iterable, fromJS, Map } from 'immutable'

const { opId } = helpers

export default class OperationContainer extends PureComponent {
  constructor(props, context) {
    super(props, context)
    this.state = {
      tryItOutEnabled: false,
      ...props
    }
  }

  render() {
    return this.props.children;  
  }
}

module.exports = OperationContainer;
executeInProgress: false

static propTypes = {
  op: PropTypes.instanceOf(Iterable).isRequired,
  tag: PropTypes.string.isRequired,
  path: PropTypes.string.isRequired,
  method: PropTypes.string.isRequired,
  operationId: PropTypes.string.isRequired,
  showSummary: PropTypes.bool.isRequired,
  jumpToKey: PropTypes.string.isRequired,
  allowTryItOut: PropTypes.bool.isRequired,
  displayOperationId: PropTypes.bool.isRequired,
  isAuthorized: PropTypes.bool.isRequired,
  displayRequestDuration: PropTypes.bool.isRequired,
  response: PropTypes.instanceOf(Iterable),
  request: PropTypes.instanceOf(Iterable),
  security: PropTypes.instanceOf(Iterable),
  isDeepLinkingEnabled: PropTypes.bool.isRequired,
  specPath: PropTypes.string.isRequired,
  getComponent: PropTypes.func.isRequired,
  authActions: PropTypes.object.isRequired,
  oas3Actions: PropTypes.object.isRequired,
  oas3Selectors: PropTypes.object.isRequired,
  specActions: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  layoutActions: PropTypes.object.isRequired,
  layoutSelectors: PropTypes.object.isRequired,
  fn: PropTypes.func.isRequired,
  get_configs: PropTypes.func.isRequired,
}

static defaultProps = {
  showSummary: true,
  response: null,
  allowTryItOut: true,
  displayOperationId: false,
  displayRequestDuration: false,
  componentDidMount: function () {
    this.requestResolvedSubtree()
  },
  toggleShown: function () {
    let {
      layoutActions,
      tag,
      operationId,
      isShown
    } = this.props
    this.setState({ executeInProgress: false })
    this.requestResolvedSubtree()
    this.toggleShown = () => {}
  },
  requestResolvedSubtree: function () {
    const {
      specSelectors,
      path,
      method,
      specPath
    } = this.props
    if(specPath) {
      specSelectors.specResolvedSubtree(specPath.toJS())
    } else {
      specSelectors.specResolvedSubtree(["paths", path, method])
    }
  },
  onCancelClick: function () {
    this.setState({
      tryItOutEnabled: !this.state.tryItOutEnabled
    })
  },
  onTryoutClick: function () {
    const {
      specActions, path, method
    } = this.props
    specActions.requestResolvedSubtree(["paths", path, method])
  },
}

executeInProgress: false

static propTypes = {
  op: PropTypes.instanceOf(Iterable).isRequired,
  tag: PropTypes.string.isRequired,
  path: PropTypes.string.isRequired,
  method: PropTypes.string.isRequired,
  operationId: PropTypes.string.isRequired,
  showSummary: PropTypes.bool.isRequired,
  jumpToKey: PropTypes.string.isRequired,
  allowTryItOut: PropTypes.bool.isRequired,
  displayOperationId: PropTypes.bool.isRequired,
  isAuthorized: PropTypes.bool.isRequired,
  displayRequestDuration: PropTypes.bool.isRequired,
  response: PropTypes.instanceOf(Iterable),
  request: PropTypes.instanceOf(Iterable),
  security: PropTypes.instanceOf(Iterable),
  isDeepLinkingEnabled: PropTypes.bool.isRequired,
  specPath: PropTypes.string.isRequired,
  getComponent: PropTypes.func.isRequired,
  authActions: PropTypes.object.isRequired,
  oas3Actions: PropTypes.object.isRequired,
  oas3Selectors: PropTypes.object.isRequired,
  specActions: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  layoutActions: PropTypes.object.isRequired,
  layoutSelectors: PropTypes.object.isRequired,
  fn: PropTypes.func.isRequired,
  get_configs: PropTypes.func.isRequired,
}

static defaultProps = {
  showSummary: true,
  response: null,
  allowTryItOut: true,
  displayOperationId: false,
  displayRequestDuration: false,
  componentDidMount: function () {
    this.requestResolvedSubtree()
  },
  toggleShown: function () {
    let {
      layoutActions,
      tag,
      operationId,
      isShown
    } = this.props
    this.setState({ executeInProgress: false })
    this.requestResolvedSubtree()
    this.toggleShown = () => {}
  },
  requestResolvedSubtree: function () {
    const {
      specSelectors,
      path,
      method,
      specPath
    } = this.props
    if(specPath) {
      specSelectors.specResolvedSubtree(specPath.toJS())
    } else {
      specSelectors.specResolvedSubtree(["paths", path, method])
    }
  },
  onCancelClick: function () {
    this.setState({
      tryItOutEnabled: !this.state.tryItOutEnabled
    })
  },
  onTryoutClick: function () {
    const {
      specActions, path, method
    } = this.props
    specActions.requestResolvedSubtree(["paths", path, method])
  },
}

executeInProgress: false

static propTypes = {
  op: PropTypes.instanceOf(Iterable).isRequired,
  tag: PropTypes.string.isRequired,
  path: PropTypes.string.isRequired,
  method: PropTypes.string.isRequired,
  operationId: PropTypes.string.isRequired,
  showSummary: PropTypes.bool.isRequired,
  jumpToKey: PropTypes.string.isRequired,
  allowTryItOut: PropTypes.bool.isRequired,
  displayOperationId: PropTypes.bool.isRequired,
  isAuthorized: PropTypes.bool.isRequired,
  displayRequestDuration: PropTypes.bool.isRequired,
  response: PropTypes.instanceOf(Iterable),
  request: PropTypes.instanceOf(Iterable),
  security: PropTypes.instanceOf(Iterable),
  isDeepLinkingEnabled: PropTypes.bool.isRequired,
  specPath: PropTypes.string.isRequired,
  getComponent: PropTypes.func.isRequired,
  authActions: PropTypes.object.isRequired,
  oas3Actions: PropTypes.object.isRequired,
  oas3Selectors: PropTypes.object.isRequired,
  specActions: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  layoutActions: PropTypes.object.isRequired,
  layoutSelectors: PropTypes.object.isRequired,
  fn: PropTypes.func.isRequired,
  get_configs: PropTypes.func.isRequired,
}

static defaultProps = {
  showSummary: true,
  response: null,
  allowTryItOut: true,
  displayOperationId: false,
  displayRequestDuration: false,
  componentDidMount: function () {
    this.requestResolvedSubtree()
  },
  toggleShown: function () {
    let {
      layoutActions,
      tag,
      operationId,
      isShown
    } = this.props
    this.setState({ executeInProgress: false })
    this.requestResolvedSubtree()
    this.toggleShown = () => {}
  },
  requestResolvedSubtree: function () {
    const {
      specSelectors,
      path,
      method,
      specPath
    } = this.props
    if(specPath) {
      specSelectors.specResolvedSubtree(specPath.toJS())
    } else {
      specSelectors.specResolvedSubtree(["paths", path, method])
    }
  },
  onCancelClick: function () {
    this.setState({
      tryItOutEnabled: !this.state.tryItOutEnabled
    })
  },
  onTryoutClick: function () {
    const {
      specActions, path, method
    } = this.props
    specActions.requestResolvedSubtree(["paths", path, method])
  },
}

executeInProgress: false

static propTypes = {
  op: PropTypes.instanceOf(Iterable).isRequired,
  tag: PropTypes.string.isRequired,
  path: PropTypes.string.isRequired,
  method: PropTypes.string.isRequired,
  operationId: PropTypes.string.isRequired,
  showSummary: PropTypes.bool.isRequired,
  jumpToKey: PropTypes.string.isRequired,
  allowTryItOut: PropTypes.bool.isRequired,
  displayOperationId: PropTypes.bool.isRequired,
  isAuthorized: PropTypes.bool.isRequired,
  displayRequestDuration: PropTypes.bool.isRequired,
  response: PropTypes.instanceOf(Iterable),
  request: PropTypes.instanceOf(Iterable),
  security: PropTypes.instanceOf(Iterable),
  isDeepLinkingEnabled: PropTypes.bool.isRequired,
  specPath: PropTypes.string.isRequired,
  getComponent: PropTypes.func.isRequired,
  authActions: PropTypes.object.isRequired,
  oas3Actions: PropTypes.object.isRequired,
  oas3Selectors: PropTypes.object.isRequired,
  specActions: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  layoutActions: PropTypes.object.isRequired,
  layoutSelectors: PropTypes.object.isRequired,
  fn: PropTypes.func.isRequired,
  get_configs: PropTypes.func.isRequired,
}

static defaultProps = {
  showSummary: true,
  response: null,
  allowTryItOut: true,
  displayOperationId: false,
  displayRequestDuration: false,
  componentDidMount: function () {
    this.requestResolvedSubtree()
  },
  toggleShown: function () {
    let {
      layoutActions,
      tag,
      operationId,
      isShown
    } = this.props
    this.setState({ executeInProgress: false })
    this.requestResolvedSubtree()
    this.toggleShown = () => {}
  },
  requestResolvedSubtree: function () {
    const {
      specSelectors,
      path,
      method,
      specPath
    } = this.props
    if(specPath) {
      specSelectors.specResolvedSubtree(specPath.toJS())
    } else {
      specSelectors.specResolvedSubtree(["paths", path, method])
    }
  },
  onCancelClick: function () {
    this.setState({
      tryItOutEnabled: !this.state.tryItOutEnabled
    })
  },
  onTryoutClick: function () {
    const {
      specActions, path, method
    } = this.props
    specActions.requestResolvedSubtree(["paths", path, method])
  },
}
const Operation = getComponent("operation")

const resolvedSubtree = this.getResolvedSubtree() || Map()

const operationProps = fromJS({
  op: resolvedSubtree,
  tag,
  path,
  summary: unresolvedOp.getIn(["operation", "summary"] || "",
  deprecated: resolvedSubtree.get("deprecated") || false,
  method,
  security,
  isAuthorized,
  operationId,
  originalOperationId: resolvedSubtree.getIn(["operation", "__originalOperationId"] || "",
  showSummary,
  isShown,
  jumpToKey,
  allowTryItOut,
  request,
  displayOperationId,
  displayRequestDuration,
  isDeepLinkingEnabled,
  executeInProgress: this.state.executeInProgress,
  tryItOutEnabled: this.state.tryItOutEnabled
})

return (<
  <Operation
    operation={operationProps}
    response={response}
    request={request}

    toggleShown={this.toggleShown}
    onTryoutClick={this.onTryoutClick}
    onCancelClick={this.onCancelClick}
    onExecute={this.onExecute}
    specPath={specPath}

    specActions={ specActions }
    specSelectors={ specSelectors }
    oas3Actions={oas3Actions}
    oas3Selectors={oas3Selectors}
    layoutActions={ layoutActions }
    layoutSelectors={ layoutSelectors }

    authActions={ authActions }
    authSelectors={ authSelectors }
    getComponent={ getComponent }

    getConfigs={ getConfigs }
    fn={fn}
  />
)
Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes.

API requires the following scopes. Select which ones you want to grant to Swagger UI.

```jsx
<ApiKeys
  authorized={ authorized }
  schema={ schema }
  name={ name } />
</div>
</div>
</Auths>
```
"value":"\n  }

  onChange = (e) => {
    let { onChange } = this.props
    let value = e.target.value
    let 
    const { component, errSelectors, name } = this.props
    const Input = 
    const Row = 
    const Col = getComponent("Col")
    const AuthError = 
    const Markdown = 
    const JumpToPath = 
    true
    let 
    this.props
    let errors = 
    errSelectors.allErrors().filter(err => err.get("authId"))

    return (n <div><h4><code>{ name || schema.get("name") }</code>&nbsp;
          <JumpToPath path={["securityDefinitions", name ]} />
        </h4>
        <Row>
          <Markdown source={ schema.get("description") } />
        </Row>
        <Row><p>Username: <code>{ schema.get("name") }</code></p>
        <Row><p>Value: </p>
        </Row>
        <Row><p>Key: <code>{ key }<br/>
          <div>
        </Row><u>
        <Row>
            <AuthError error={ error }

    return (n <Col><Input type="text" onChange={ this.onChange } /></Col>
          {
            errors.valueSeq().map( (error, key) => {
              return <AuthError error={ error } key={ key } />
            } )
          }
    </div>
  <h4>Basic
          <JumpToPath path={"securityDefinitions", name ]} />
        </h4>
        { username && <h6>Authorized</h6> }
        <Row>
          <label>Username: </label>
          {
            username ? <code>{ username }</code>
                     : <Col><Input required="true" name="username" onChange={ this.onChange } /></Col>
          }
        </Row>
        <Row>
          <label>Password: </label>
            {
            username ? <code>******</code>
                       : <Col><Input required="true"

autoComplete="new-password"
                                     type="password"
                                     onChange={ this.onChange } />
          }
    </div>
  <div>

    return (n <div>


// WEBPACK FOOTER //
// ./src/core/components/auth/api-key-auth.jsx";

/**
 * import React from "react";


import React from "react"
import PropTypes from "prop-types"
import ImPropTypes from "react-immutable-proptypes"
import { stringify } from "core/utils"

export default function Example(props) {
  const { example, showValue, getComponent } = props

  const Markdown = getComponent("Markdown")
  const HighlightCode = getComponent("highlightCode")

  if(!example) return null

  return (n <div>
    <section class="example">
      {example.get("description") ? (
        <section
          <div>
        </div>
      ) : null
    </div>
  </div>


// WEBPACK FOOTER //
// ./src/core/components/auth/basic-auth.jsx";
var that = this;\nvar kind = that._k;\nvar entry = that._l;\n
// revert to the last existing entry\nwhile (entry && entry.r) entry = entry.p;\n
// get next entry\nif (kind !== 'keys') return step(0, entry.k);\nif (kind !== 'values') return step(0, entry.v);\n
// or finish the iteration\nthat._u = undefined;\nreturn step(1);\n
// return step by kind\nif (kind === 'keys') return step(0, entry.k);\nif (kind === 'values') return step(0, entry.v);\n
// add @[@@species], 23.1.2.2, 23.2.2.2\nvar setSpecies(NAME);\n
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_collection-strong.js
// module id = 599\n
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_collection.js
// module id = 600\n
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_array-methods.js
// module id = 601\n
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_array-species-create.js
// module id = 602
if (typeof C == 'function' && (C === Array || isArray(C.prototype))) C = undefined;
    if (isObject(C)) {
      C = C[SPECIES];
      if (C === null) C = undefined;
    }
  } return C === undefined ? Array :
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_array-species-constructor.js
// module id = 603
// module chunks = 0
var $export = require('./_export');

$export($export.P + $export.R, 'Map', { toJSON: require('./_collection-to-json')('Map') });


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_collection-to-json.js
// module id = 604
// module chunks = 0
var classof = require('./_classof');
var from = require('./_array-from-iterable');
module.exports = function (NAME) {
  return function toJSON() {
    if (classof(this) != NAME) throw TypeError(NAME + `#toJSON isn't generic`);
    return from(this);
  }
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_array-from-iterable.js
// module id = 606
// module chunks = 0
var forOf = require('./_for-of');

module.exports = function (iter, ITERATOR) {
  var result = [];
  forOf(iter, false, result.push, result, ITERATOR);
  return result;
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_set-collection-of.js
// module id = 608
// module chunks = 0

// This stateful component lets us avoid writing competing values (user
// modifications vs example values) into global state, and the mess that comes
// with that:
// tracking which of the two values are currently used for
// Try-It-Out, which example a modified value came from,
// etc...
// The solution here is to retain the last user-modified value in
// ExamplesSelectValueRetainer's
// component state, so that our global state can stay
// clean, always simply being the source of truth for what value
// should be both used and displayed to the user and used as a value during request execution.
// This approach/tradeoff
// was chosen in order to encapsulate the particular logic of Examples within the Examples component tree, and to
// avoid/avoid regressions within our current implementation elsewhere (non-Examples
// definitions, OpenAPI 2.0, etc).
// A future refactor to global state might make
// this component unnecessary.
// TL;DR: this is not our usual
// approach, but the choice was made consciously.
// Note that `currentNamespace` isn't currently used
// anywhere!

import React from "react"
import {
  Map, List } from "immutable"
import PropTypes from "prop-types"
import ImPropTypes from "react-immutable-proptypes"

import { stringify } from "core/utils"

// The solution here is to retain the last user-modified value in
// ExamplesSelectValueRetainer's
// component state, so that our global state can stay
// clean, always simply being the source of truth for what value
// should be both used and displayed to the user and used as a value during request execution.
// This approach/tradeoff
// was chosen in order to encapsulate the particular logic of Examples within the Examples component tree, and to
// avoid/avoid regressions within our current implementation elsewhere (non-Examples
// definitions, OpenAPI 2.0, etc).
// A future refactor to global state might make
// this component unnecessary.
// TL;DR: this is not our usual
// approach, but the choice was made consciously.
// Note that `currentNamespace` isn't currently used
// anywhere!

const stringifyUnlessList = input =>
  List.isList(input) ? input : stringify(input)

export default
  class ExamplesSelectValueRetainer extends React.PureComponent {
    static propTypes = {
      examples: ImPropTypes.map,
      onSelect: PropTypes.func,
      updateValue: PropTypes.func, // mechanism to update
      getComponent: PropTypes.func,
      currentUserInputValue: PropTypes.any,

currentKey: PropTypes.string,
  currentNamespace: PropTypes.string, // (also proxies props for Examples)
  static defaultProps = {examples: Map({}), currentNamespace: \"_DEFAULT__NAMESPACE__\", onSelect: (...args) => {
    console.log( // eslint-disable-line no-console
      \"ExamplesSelectValueRetainer: no \"onSelect\" function was provided\";
    ...
    args
    ),
  }, updateValue: (...args) => {
    console.log( // eslint-disable-line no-console
      \"ExamplesSelectValueRetainer: no \"updateValue\" function was provided\";
    ...
    args
    ),
  }}

  constructor(props) {
    super(props)

    const valueFromExample = this._getCurrentExampleValue()

    this.state = {
      lastUserEditedValue:
        this.props.currentUserInputValue,
        lastDownstreamValue: valueFromExample,

      currentNamespace: props.currentNamespace || \"\",
      examples: Map({})
    }

    this._setStateForCurrentNamespace = obj => {
      const { currentNamespace } = this.props

      return this._setStateForNamespace(currentNamespace, obj)
    }

    this._setStateForNamespace = (namespace, obj) => {
      const oldStateForNamespace = this.state[namespace] || Map()
      const newStateForNamespace = oldStateForNamespace.mergeDeep(obj)
      return this.setState({[namespace]: newStateForNamespace})
    }

    this._isCurrentUserInputSameAsExampleValue = () => {
      const { currentUserInputValue } = this.props
      const valueFromExample = this._getValueForExample(this._getCurrentExampleValue())

      return valueFromExample === currentUserInputValue
    }

    this._getValueForExample = (exampleKey, props) => {
      const { examples } = props || this.props
      return stringifyUnlessList(examples.getIn([exampleKey, \"value\"]))
    }

    this._getCurrentExampleValue = props => {
      const { currentKey } = props || this.props
      return this._getValueForExample(currentKey, props)
    }

    this._onExamplesSelect = (key, { isSyntheticChange } = {}, ...otherArgs) => {
      const { onSelect, updateValue, currentUserInputValue } = this.props
      const { lastUserEditedValue } = this.state

      const valueFromExample = this._getValueForExample(key)

      if (key === \"__MODIFIED__VALUE__\") {
        updateValue(stringify(lastUserEditedValue))
        return this._setStateForCurrentNamespace({
          isModifiedValueSelected: true,
        })
      }

      if (typeof onSelect === "function") {
        onSelect(key, {isSyntheticChange}, ...otherArgs)
      }

      this._setStateForCurrentNamespace({
        lastDownstreamValue: valueFromExample,
        isModifiedValueSelected:
          {...otherArgs}
      })
    }

    this.componentWillReceiveProps(nextProps) {
      // update \"lastUserEditedValue\" as new currentUserInput values come in
      const { currentUserInputValue: newValue, examples, currentKey, nextProps } = nextProps

      if (newValue !== this.state.lastUserEditedValue) {
        this._setStateForCurrentNamespace({
          lastUserEditedValue: newValue
        })
      }

      if (nextProps.currentKey !== currentKey) {
        this._setStateForCurrentNamespace({
          currentKey: nextProps.currentKey
        })
      }
    }

    render() {
      const { ...otherArgs } = nextProps || this.props
      return render({
        ...otherArgs
      })
    }

  }
}
this.props

const { lastDownstreamValue, lastUserEditedValue, isModifiedValueSelected } = this._getStateForCurrentNamespace()
const ExamplesSelect = getComponent(ExamplesSelect)

return (<ExamplesSelect

examples={examples}

currentExampleKey={currentKey}

onSelect={this._onExamplesSelect}

isModifiedValueAvailable={!lastUserEditedValue && lastUserEditedValue !== lastDownstreamValue}

isModifiedValue={!!lastUserEditedValue}

isValueModified={currentUserInputValue !== undefined}

isModifiedValueSelected={true}

currentUserInputValue !== this._getCurrentExampleValue()

const ExamplesSelect = getComponent("ExamplesSelect")

return (
  <ExamplesSelect
    examples={examples}
    currentExampleKey={currentKey}
    
    onSelect={this._onExamplesSelect}
    
    isModifiedValueAvailable={!lastUserEditedValue && lastUserEditedValue !== lastDownstreamValue}
    
    isModifiedValue={!!lastUserEditedValue}
    
    isValueModified={currentUserInputValue !== undefined}
    
    isModifiedValueSelected={true}
    
    currentUserInputValue !== this._getCurrentExampleValue()
    
   />

)
ACCESS_CODE || flow === APPLICATION ) && & <p>Token URL:<code> { schema.get("tokenUrl") } </p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>

<Row><Row><label htmlFor="oauth_username">username:</label><input id="oauth_username" type="text" data-name="username" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="oauth_password">password:</label><input id="oauth_password" type="password" data-name="password" on_change={ this.onInputChange }><p>Token URL:<code> { schema.get("tokenUrl") } </code></p>

<Row><Row><label htmlFor="password_type">Client credentials location:</label><select id="password_type" data-name="passwordType" on_change={ this.onInputChange }><option value="basic">Authorization header</option><option value="request-body">Request body</option></select></Row>

<Row><Row><label htmlFor="flow">Flow: <code> { schema.get("flow") } </code></p>
query.push("\"response_type=code\"")
break


   case "implicit":
      query.push("response_type=token")
      break

    case "clientCredentials":
      // OAS3
      authActions.authorizeApplication(auth)
      return

    case "authorizationCode":
      // OAS3
      query.push("response_type=code")
      break

      let scopeSeparator = authConfigs.scopeSeparator || " \\

      query.push("scope=" + encodeURIComponent(scopes.join(scopeSeparator)))
      
      const authorizationUrl = schema.get("authorizationUrl")
      const sanitizedAuthorizationUrl =-sanitizedAuthorizationUrl
      let url = [sanitizedAuthorizationUrl, query.join("&")].join(\\n
      // pass action authorizeOauth2 and authentication data through window
      // to authorize with oauth2
      
      if (flow === "implicit") {
        callback = authActions.preAuthorizeImplicit
      } else if (authConfigs.useBasicAuthenticationWithAccessCodeGrant) {
        callback = authActions.authorizeAccessCodeWithBasicAuthentication
      } else {
        callback = authActions.authorizeAccessCodeWithFormParams
      }

      win.swaggerUIRedirectOauth2 = {
        auth: auth,
        state: state,
        redirectUrl: redirectUrl,
        callback: callback,
        errCb: errActions.newAuthErr
      }

      win.open(url)

      // WEBPACK FOOTER //
      // ./src/core/oauth2-authorize.js
const duration = response.get("duration")
    const headersKeys = Object.keys(headers)
    const contentType = headers["content-type"] || headers["Content-Type"]

    const Curl = getComponent("curl")
    const ResponseBody = getComponent("responseBody")
    const returnObject = headersKeys.map(key => ({
      key: key,
      value: headers[key]
    }))

    return (
      <div>
        { curlRequest && <Curl request={ curlRequest }/> }
        { url && <div>
            <h4>Request URL</h4>
            <div>
              <pre>{url}</pre>
            </div>
          </div>
        }
        <h4>Server response</h4>
        <table className="responses-table live-responses-table">
          <thead>
            <tr>
              <td className="col col_header response-col_status">Code</td>
              <td className="col col_header response-col_description">Details</td>
            </tr>
          </thead>
          <tbody>
            { status.map((status) => {
              return (
                <tr>
                  <td className="col response-col_status">
                    {status.code}
                  </td>
                  <td className="col response-col_description">
                    <Pre> {status.message} </Pre>
                  </td>
                </tr>
              )
            })}
          </tbody>
        </table>
      </div>
    )
  }

  static propTypes = {
    getComponent: PropTypes.func.isRequired,
    response: PropTypes.map
  }
}
function loaded: true
)

function img.onerror = () => {
  this.setState({
    error: true
  });
}

function img.src = nextProps.src
)

function render() {
  if (this.state.error) {
    return <img alt="Error" />
  } else if (!this.state.loaded) {
    return null
  }
  return <img src={this.props.src} alt={this.props.alt} />
}

// WEBPACK FOOTER //
// ./src/core/components/online-validator-badge.jsx

import React from "react"
import PropTypes from "prop-types"
import Im from "immutable"

const SWAGGER2_OPERATION_METHODS = ["get", "put", "post", "delete", "options", "head", "patch"]

const OAS3_OPERATION_METHODS = SWAGGER2_OPERATION_METHODS.concat(["trace"])

const OperationContainer = getComponent("OperationContainer", true)
const OperationTag = getComponent("OperationTag")

function render() {
  let {
    specSelectors,
    getComponent,
    layoutSelectors,
    layoutActions,
    getConfigs,
    fn
  } = this.props

  let taggedOps = specSelectors.taggedOperations()

  const OperationContainer = getComponent("OperationContainer", true)
  const OperationTag = getComponent("OperationTag")

  let {
    maxDisplayedTags,
  } = getConfigs()

  let filter = layoutSelectors.currentFilter()

  if (filter) {
    if (filter !== true) {
      taggedOps = fn.opsFilter(taggedOps, filter)
    }
  }

  if (maxDisplayedTags && !isNaN(maxDisplayedTags) && maxDisplayedTags >= 0) {
    taggedOps = taggedOps.slice(0, maxDisplayedTags)
  }

  return (
    <div>
      {
        taggedOps.map( (tagObj, tag) => {
            const operations = tagObj.get("operations")
            return (
              <OperationTag
                key="operation-" + tag
                tagObj={tagObj}
                tag={tag}
                layoutSelectors={layoutSelectors}
                layoutActions={layoutActions}
                getConfigs={getConfigs}
                getComponent={getComponent}>
                {
                  operations.map( op => {
                      const path = op.get("path")
                      const method = op.get("method")
                      const specPath = Im.List(["paths", path, method])

                      // FIXME: (someday) this logic should probably be in a selector,
                      // but doing so would require further opening
                      // up
                      // to the plugin system, to allow for dynamic
                      // overriding of lower-level
                      // selectors that other selectors
                      // rely on. --KS, 12/17
                      // const validMethods = specSelectors.isOAS3() ?
                      // OAS3_OPERATION_METHODS : SWAGGER2_OPERATION_METHODS
                      // if(validMethods.indexOf(method) === -1) {
                      // return null
                      // }
                      // return <OperationContainer
                      //                 key={"$\{path\}-
                      // $\{method\}"}
                      //                 specPath={specPath}
                      //                 op={op}
                      //                 path={path}
                      //                 method={method}
                      //                 tag={tag}
                      //                 />
                      // ).toArray()
                    }
                  ).toArray()
                }
              </OperationTag>
            )
          }).toArray()
      }
      { taggedOps.size < 1 ? <h3> No operations defined in spec! </h3> : null }
    </div>
  )
}

Operations.propTypes = {
  layoutActions: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  specActions: PropTypes.object.isRequired,
  layoutSelectors: PropTypes.object.isRequired,
  getComponent: PropTypes.func.isRequired,
  fn: PropTypes.object.isRequired
}

// WEBPACK FOOTER //
// ./src/core/components/operations.jsx

import React from "react"
import PropTypes from "prop-types"
import ImPropTypes from "react-immutable-proptypes"
import Im from "immutable"
import { createDeepLinkPath, escapeDeepLinkPath, sanitizeUrl } from "core/utils"

export default class OperationTag extends React.Component {

  static defaultProps = {
    tagObj: Im.fromJS({}),
    tag: "",
  }

  static propTypes = {
    tagObj: ImPropTypes.map.isRequired,
    tag: PropTypes.string.isRequired,

    layoutSelectors: PropTypes.object.isRequired,
    layoutActions: PropTypes.object.isRequired,

    getConfigs: PropTypes.func.isRequired,
    getComponent: PropTypes.func.isRequired,

    children: PropTypes.element,
  }

  render() {
    const {
      tagObj,
      tag,
      children,
      specPath,
      path,
      method,
      tagObj,
      layoutSelectors,
      layoutActions,
      getComponent,
      getComponent,
    } = this.props

    return (
      <div>
        {specPath ? <h3> Spec: {specPath} </h3> : null }
        {path ? <h3> Path: {path} </h3> : null }
        {method ? <h3> Method: {method} </h3> : null }
        {tagObj ? <h3> Tag: {tagObj} </h3> : null }
        {children ? <h3> Children: {children} </h3> : null }
      </div>
    )
  }
}
let docExpansion, deepLinking = getConfigs()
const isDeepLinkingEnabled = deepLinking && deepLinking !== false
const Collapse = getComponent("Collapse")
const Markdown = getComponent("Markdown")
const DeepLink = getComponent("DeepLink")
let tagDescription = tagObj.getIn(["tagDetails", "description"], null)
let tagExternalDocsDescription = tagObj.getIn(["tagDetails", "externalDocs", "description"], null)
let tagExternalDocsUrl = tagObj.getIn(["tagDetails", "externalDocs", "url"], null)
let isShownKey = ["operations-tag", tag]
let showTag = layoutSelectors.isShown(isShownKey, docExpansion === "full" || docExpansion === "list")
return <div className={showTag ? "opblock-tag-section is-open" : "opblock-tag-section"}>
<h4
  onClick={() => layoutActions.show(isShownKey, !showTag)}
  className={!tagDescription ? "opblock-tag no-desc" : "opblock-tag" }
  id={isShownKey.map(v => escapeDeepLinkPath(v)).join("-")}
  data-tag={tag}
  data-is-open={showTag}
  >
<DeepLink
  enabled={isDeepLinkingEnabled}
  isShown={showTag}
  path={createDeepLinkPath(tag)}
  text={tag} />
  { !tagDescription ? <small></small> :
    <small>
      <Markdown source={tagDescription} />
    </small>
  }
  { !tagExternalDocsDescription ? null :
    <small>
      { tagExternalDocsDescription }
    </small>
  }
  { tagExternalDocsUrl ? ": " : null }
  { tagExternalDocsUrl ? <Link
    href={sanitizeUrl(tagExternalDocsUrl)}
    onClick={(e) => e.stopPropagation()}
    target="_blank"
    >{tagExternalDocsUrl}</Link> : null
  }
</div>
</h4>
</Collapse>
</div>
</div>
</div>
</div>

// WEBPACK FOOTER //
// ./src/core/components/operation-tag.jsx
const Parameters = getComponent("parameters")
const Execute = getComponent("execute")
const Clear = getComponent("clear")
const Collapse = getComponent("Collapse")
const Markdown = getComponent("Markdown")
const Schemes = getComponent("schemes")
const OperationServers = getComponent("OperationServers")
const OperationExt = getComponent("OperationExt")
const OperationSummary = getComponent("OperationSummary")
const Link = getComponent("Link")

const { showExtensions } = getConfigs()

    // Merge in Live Response
    if(responses && response && response.size > 0) {
      let notDocumented = !responses.get(String(response.get("status"))) &&
        response.get("default")
      response = response.set("notDocumented", notDocumented)
    }

    let onChangeKey = [ path, method ]; // Used to add values to this_operation (indexed by path and method)

    return (<
        div className={deprecated ? "opblock opblock-deprecated" : isShown ? `opblock opblock-
          ${method} is-open` : `opblock opblock-${method}`} id={escapeDeepLinkPath(isShownKey.join("-"))} >
          <OperationSummary operationProps={operationProps} toggleShown={toggleShown}
            getComponent={getComponent} authActions={authActions} authSelectors={authSelectors} specPath={specPath}
          />
          <Collapse isOpened={isShown}>
            <div className="opblock-body">
              { (operation && operation.size) || operation === null ? null :
                <img height={"32px"} width={"32px"}
                src={require("core/../img/rolling-load.svg")} className="opblock-loading-animation" />
              }
              { deprecated && <h4 className="opblock-title_normal"> Warning: Deprecated </h4> }
              { description &&
                <div className="opblock-description-wrapper">
                  <div className="opblock-description">
                    <Markdown source={ description } />
                  </div>
                </div>
              }
              { externalDocs && externalDocs.url ?
                <div className="opblock-external-docs-wrapper">
                  <h4 className="opblock-title_normal"> Find more details </h4>
                  <div className="opblock-external-docs">
                    <span className="opblock-external-docs__description">
                      <Markdown source={ externalDocs.description } />
                    </span>
                    <Link target="_blank" className="opblock-external-docs__link" href={sanitizeUrl(externalDocs.url)}>{externalDocs.url}</Link>
                  </div>
                </div> : null
              }
              { (operation || operation.size ? null : PARAMETERS
                parameters={parameters}
                  specPath={specPath.push("parameters")}
                operation={operation}
                onChangeKey={onChangeKey}
                onTryoutClick={onTryoutClick}
                onCancelClick={onCancelClick}
                tryItOutEnabled={tryItOutEnabled}
                allowTryItOut={allowTryItOut}
                fn={fn}
                getComponent={ GetComponent }
                specActions={ specActions }
                specSelectors={ specSelectors }
                pathMethod={ [path, method] }
                getConfigs={ getConfigs }
                oas3Actions={ oas3Actions }
                oas3Selectors={ oas3Selectors }
              ) } } }
        <OperationServers
            getComponent={getComponent}
            path={path}
            method={method}
            operationServers={operation.get("servers")}
            pathServers={specSelectors.paths().getIn([path, "servers"])}
            pathSelectedServer={oas3Selectors.selectedServer}
            setSelectedServer={oas3Actions.setSelectedServer}
            setServerVariableValue={oas3Actions.setServerVariableValue}
            getEffectiveServerValue={oas3Selectors.serverEffectiveValue}
            getServerVariable={oas3Selectors.serverVariableValue}
          }
          <Execute
            operation={operation}
            specActions={ specActions }
            pathMethod={ [method] }
            path={path}
          >
        </div> : null
      })
    </ OperationSummary>
  </>
</>
}
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```javascript
import React from "react"
import PropTypes from "prop-types"

export const OperationExt = ({
  extensions, getComponent }) => {
  let OperationExtRow = getComponent("OperationExtRow")
  return (
    <div className="opblock-section">
      <div className="opblock-section-header">
        <h4>Extensions</h4>
      </div>
      <div className="table-container">
        <table>
          <thead>
            <tr>
              <td className="col col_header">Field</td>
              <td className="col col_header">Value</td>
            </tr>
          </thead>
          <tbody>
            {extensions.entrySeq().map(([k, v]) => <OperationExtRow key={`${k}-${v}`} xKey={k} xVal={v} />)}
          </tbody>
        </table>
      </div>
    </div>
  )
}
OperationExt.propTypes = {
  extensions: PropTypes.object.isRequired,
  getComponent: PropTypes.func.isRequired
}

export default OperationExt

```
React.Component {
  static propTypes = {
    tryItOutResponse: PropTypes.instanceOf(Iterable),
    responses: PropTypes.instanceOf(Iterable).isRequired,
    produces: PropTypes.instanceOf(Iterable).isRequired,
    producesValue: PropTypes.any,
    displayRequestDuration: PropTypes.bool.isRequired,
    path: PropTypes.string.isRequired,
    method: PropTypes.string.isRequired,
    getComponent: PropTypes.func.isRequired,
    getconfigs: PropTypes.func.isRequired,
    specSelectors: PropTypes.object.isRequired,
    specActions: PropTypes.object.isRequired,
  } //

  static defaultProps = {
    tryItOutResponse: null,
    produces: fromJS({"application/json"}),
    displayRequestDuration: false
  } //

  // These performance-enhancing checks were disabled as part of Multiple
  // Examples
  // because they were causing data-consistency issues
  // shouldComponentUpdate(nextProps) {
  //   // BUG: props.tryItOutResponse is always coming back as a new Immutable instance
  //   let render = this.props.tryItOutResponse !== nextProps.tryItOutResponse
  //     || this.props.responses !== nextProps.responses
  //     || this.props.produces !== nextProps.produces
  //     || this.props.producesValue !== nextProps.producesValue
  //     || this.props.displayRequestDuration !== nextProps.displayRequestDuration
  //     || this.props.path !== nextProps.path
  //     return render
  //   //
  //   return this.props.specActions.changeProducesValue((this.props.path,
  // this.props.method), val) //

  onChangeProducesWrapper = (val) => this.props.specActions.changeProducesValue((this.props.path,
  this.props.method), val)

  onResponseContentTypeChange = ({ controlsAcceptHeader, value }) => {
    const { oas3Actions, path, method } = this.props
    if(controlsAcceptHeader) {
      oas3Actions.setResponseContentType({
        value,
        path,
        method
      })
    }
  }

  render() {
    let {
      responses,
      tryItOutResponse,
      getComponent,
      getConfigs,
      specSelectors,
      fn,
      producesValue,
      displayRequestDuration,
      path,
      method,
      oas3Actions,
    } = this.props
    let defaultCode = defaultStatusCode(responses)

    const ContentType = getComponent("contentType")
    const LiveResponse = getComponent("liveResponse")
    const Response = getComponent("response")

    let produces = this.props.produces && this.props.produces.size ?
      this.props.produces : Responses.defaultProps.produces

    const isSpecOAS3 = specSelectors.isOAS3()

    const acceptControllingResponse = isSpecOAS3 ?
      getAcceptControllingResponse(responses) : null

    return (
      <div className="responses-wrapper">
        <div className="opblock-section-header">
          <h4>Responses</h4>
          <label>
            <span>Response content type</span>
            <ContentType value={producesValue}
                          onChange={this.onChangeProducesWrapper}
                          contentTypes={produces}
                          className="execute-content-type"/>
          </label>
        </div>
        <div className="responses-inner">
          {tryItOutResponse ? null
                              : <div>
                <LiveResponse response={ tryItOutResponse }
                              getComponent={ getComponent }
                              getConfigs={ getConfigs }
                              specSelectors={ specSelectors }
                              path={ this.props.path }
                              method={ this.props.method }
                              displayRequestDuration={ displayRequestDuration } />

          }
          {specSelectors.isOAS3() ? null : <label>
            <Response
              path={path}
              key={code}
              specSelector={specSelectors}
              method={method}
              displayRequestDuration={displayRequestDuration} />
          }
        </div>
      </div>
    )
  }
}

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onResponseContentTypeChange={this.onResponseContentTypeChange}
contentType={ producesValue

activeExamplesKey={oas3Selectors.activeExamplesMember(
method,
\"responses\",
\"code\n
)

)t.toArray() \n	</tbody> \n	</table> WEBPACK FOOTER
// src/core/components/responses.jsx
"import React from \"react\"; import ImPropTypes from \"react-immutable-proptypes\"; import { getSampleSchema, fromJS, Seq, Iterable, List, Map } from \"immutable\"; import { getComponent, getExamples, fromJSOrdered, stringify } from \"core/utils\"; const getComponent = ( sampleResponse, HighlightCode ) => {
if ( sampleResponse !== undefined &
if ( sampleResponse !== null ) { return <div>
  <HighlightCode className="example" value={ sampleResponse } />
</div>

  return null
}
export default class Response extends React.Component {
  constructor(props, context) {
    super(props, context)

  this.state = {
    responseContentType: "",
  }

  static propTypes = {
    path: PropTypes.string.isRequired,
    method: PropTypes.string.isRequired,
    code: PropTypes.string.isRequired,
    response: PropTypes.instanceOf(Iterable),
    className: PropTypes.string,
    getComponent: PropTypes.func.isRequired,
    getConfigs: PropTypes.func.isRequired,
    specSelectors:
PropTypes.object.isRequired,
    contentType: PropTypes.string,
activeExamplesKey: PropTypes.string,
controlsAcceptHeader: PropTypes.bool,
onContentTypeChange: PropTypes.func
  }

  static defaultProps = {
    response: fromJS({}),
    onContentTypeChange: () => {}
  };

  _onContentTypeChange = (value) => {
    const { onContentTypeChange, controlsAcceptHeader } = this.props
    this.setState({ responseContentType: value })
    onContentTypeChange({
      value: value,
      controlsAcceptHeader
    })
  }

  getTargetExamplesKey = () => {
    const { response, contentType, activeExamplesKey } = this.props

    const activeContentType = this.state.responseContentType || contentType
    const activeMediaType = response.getIn(["content", activeContentType], Map({}))
    const examplesForMediaType = activeMediaType.get("examples", null)

    const firstExamplesKey = examplesForMediaType.keySeq().first()
    return activeExamplesKey || firstExamplesKey
  }

  render() {
    let {
      path,
      method,
      code,
      response,
      className,
      specPath,
      fn,
      getComponent,
      getConfigs,
      specSelectors,
      contentType,
      controlsAcceptHeader,
      oas3Actions,
    } = this.props

    let { inferSchema } = fn
    let isOAS3 = specSelectors.isOAS3()

    let
headers = response.get("headers")
links = response.get("links")
const Headers = getComponent("headers")
const HighlightCode = getComponent("highlightCode")
const ModelExample = getComponent("modelExample")
const Markdown = getComponent("Markdown")
const OperationLink = getComponent("operationLink")
const activeContentType = getComponent("contentType")
const isExamplesSelect = getComponent("ExamplesSelect")
const activeMediaType = getComponent("activeMediaType")
const activeContentType = getComponent("activeContentType")
const inferSchema = inferSchema(oas3SchemaForContentType ?
  oas3SchemaForContentType : oas3SchemaForContentType.type.toJS())


stringify(targetExample.get("value"))
} else if(activeMediaType.get("example") !== undefined) {
  // use the example key's value
  sampleResponse = stringify(activeMediaType.get("example"))
} else {
  // use an example value generated based on the schema
  sampleResponse = getSampleSchema(oas3SchemaForContentType.toJS(), this.state.responseContentType, {
    includeReadOnly: true
  })
} else {
  // sampleResponse = schema ? getSampleSchema(schema.toJS(), this.state.responseContentType, {
  // use the example key's value
  sampleResponse = stringify(activeMediaType.get("example"))
} else {
  // use an example value generated based on the schema
  sampleResponse = getSampleSchema(oas3SchemaForContentType.toJS(), this.state.responseContentType, {
    includeReadOnly: true,
    includeWriteOnly: true // writeOnly has no filtering effect
  })
}

  let example = getExampleComponent( sampleResponse, HighlightCode )

  return (
    <tr className={ "response " + ( className || "") } data-code={code}>
      <td className="col response-col_status">
        { code }
      </td>
      <td className="col response-col_description">
        <div className="response-col_description__inner">
          {isOAS3 && response.get("content") ? (
            <section className="response-controls">
              <div
                className={cx("response-control-media-type", {
                  "response-control-media-type--accept-controller": controlsAcceptHeader
                })}
                >
                <small className="response-control-media-type__title">
                  Media type
                </small>
                <ContentType
                  value={this.state.responseContentType}
                  contentTypes={
                    response.get("content")
                      ? response.get("content").keySeq()
                      .Seq()
                  }
                  onChange={this._onContentTypeChange}
                />
                {controlsAcceptHeader ? (
                  <small className="response-control-media-type__accept-message">
                    Controls <code>Accept</code> header.
                  </small>
                ) : null}
              </div>
              {examplesForMediaType ? (
                <div className="response-control-examples">
                  <small className="response-control-examples__title">
                    Examples
                  </small>
                  <ExamplesSelect
                    examples={examplesForMediaType}
                    currentExampleKey={this.getTargetExamplesKey()}
                    onSelect={key =>
                      oas3Actions.setActiveExamplesMember({
                        name: key,
                        pathMethod: [path, method]
                      })
                    }
                  />
                </div>
              ) : null}
            </section>
          ) : null}

          { example || schema ? (
            <ModelExample
              specPath={specPathWithPossibleSchema}
              getComponent={ getComponent } 
              getConfigs={ getConfigs } 
              specSelectors={ specSelectors }
              schema={ fromJSOrdered(schema) }
              example={ example } />
          ) : null }

          { isOAS3 && examplesForMediaType ? (
            <Example
              example={examplesForMediaType.get(this.getTargetExamplesKey(), Map({}))}
              getComponent={getComponent}
              omitValue={true}
            />
          ) : null}

          { headers ?
            <Headers
              headers={ headers }
              getComponent={ getComponent } />
          ) : null}
        </div>
      </td>
      {isOAS3 ? <td className="col response-col_links">
        { links ?
          links.toSeq().map((link, key) => {
            return <OperationLink key={key} link={ link } getComponent={getComponent}/>
          })
        : <i>No links</i>}
      </td> : null}
    </tr>
  )
}

export default class ResponseBody extends React.PureComponent {
  state = {
    parsedContent: null
  }

  static propTypes = {
    content: PropTypes.any.isRequired,
    contentType: PropTypes.string,
    getComponent: PropTypes.func.isRequired,
    headers: PropTypes.object,
    url: PropTypes.string
  }

  updateParsedContent = (prevContent) => {
    const { content } = this.props

    if(prevContent === content) {
      return
    }

    if(content && content instanceof Blob) {
      var reader = new FileReader()
      reader.onload = () => {
        this.setState({
          parsedContent: reader.result
        })
      }
      reader.readAsText(content)
    } else {
      this.setState({
        parsedContent: content.toString()
      })
    }
  }

  componentDidMount() {
    this.updateParsedContent(null)
  }

  componentDidUpdate(prevProps)

  render() {
    let { content, contentType, url,
headers={}, const {parsedContent} = this.state, const HighlightCode = getComponent("highlightCode")
  const downloadName = `response_` + new Date().getTime()
  let body,
  bodyEl
  url = url || `\n  if (\n    /application\/octet-stream/.test(contentType) ||
    (headers["Content-Disposition"] &
    /attachment/i).test(headers["Content-Disposition"])) \n    (headers["Content-Disposition"] &
    /attachment/i).test(headers["Content-Disposition"])) \n    (headers["Content-Disposition"] &
    /File Transfer/i).test(headers["Content-Disposition"])) \n    (headers["Content-Disposition"] &
    /File Transfer/i).test(headers["Content-Disposition"])) \n    (headers["Content-Disposition"] &
    /File Transfer/i).test(headers["Content-Disposition"]))

    // Download in \n    if ("Blob" in window) \n      let type = contentType \n      let blob = (content instanceof Blob) ? content : new Blob([content], { type: type })
      let href = window.URL.createObjectURL(blob)
      const fileName = url.substr(url.lastIndexOf("/") + 1)
      let download = [type, fileName, href].join(\":")
      // Use filename from response header,
      // First check if filename is quoted (e.g. contains space), if no, fallback to not quoted check
      let disposition = headers["content-disposition"]
      if (typeof disposition !== "undefined")
        let responseFilename = extractFileNameFromContentDispositionHeader(disposition)
        if (responseFilename !== null) {
          download = responseFilename
        }
      else if (window.navigator && window.navigator.msSaveOrOpenBlob) {
        let bodyEl = <div><a href={ href } onClick={() =>
          window.navigator.msSaveOrOpenBlob(blob, download)}>{ "Download file" }</a></div>
      } else {
        bodyEl = <div><a href={ href } download={ download }>{ "Download file" }</a></div>
      }
    else if (/json/i.test(contentType)) {
      try {
        body = JSON.stringify(JSON.parse(content), null, "  ")
      } catch (error) {
        body = "can't parse JSON. Raw result:\n\n" + content
      }

      bodyEl = <HighlightCode downloadable fileName={`${downloadName}.json`} value={ body } />
    }
    else if (/xml/i.test(contentType)) {
      body = formatXml(content, {
        textNodesOnSameLine: true,
        indentor: "  "
      })
      bodyEl = <HighlightCode downloadable fileName={`${downloadName}.xml`} value={ body } />
    }
    else if (toLower(contentType) === "text/html" || /text\//.test(contentType)) {
      bodyEl = <HighlightCode downloadable fileName={`${downloadName}.html`} value={ content } />
    }
    else if (/^image\//.test(contentType)) {
      if(contentType.includes("svg")) {
        bodyEl = <div>{ content }
      } else {
        bodyEl = <img style={{ maxWidth: "100%\" }} src={ window.URL.createObjectURL(content) } />
      }
    }
    else if (/^audio\//.test(contentType)) {
      bodyEl = <pre><audio controls><source src={ url } type={ contentType } /></audio></pre>
    }
    else if (typeof content === "string") {
      bodyEl = <HighlightCode downloadable fileName={`${downloadName}.txt`} value={ content } />
    } else if (content.size > 0) {
      // We don't know the content type, but there was some content returned
      if(parsedContent) {
        // We were able to squeeze something out of content
        // in `updateParsedContent`, so let's display it now
        bodyEl = <div>
          <p className="i">
            Unrecognized response type; displaying content as text.
          </p>
          <HighlightCode downloadable fileName={`${downloadName}.txt`} value={ parsedContent } />
        </div>
      } else {
        // Give up
        bodyEl = null
      }
    } else {
      // We don't know the content type and there was no content returned
      bodyEl = null
      return (!bodyEl ? null : 
        <div>
          <h5>Response body</h5>
          { bodyEl }
        </div>)
    }
  }
}

// WEBPACK FOOTER //
// ./src/core/components/response-body.jsx","module.exports = require("xml-but-prettier");


//////////////////
// WEBPACK FOOTER
// external "xml-but-prettier"
// module id = 630
// module chunks = 0
// WEBPACK FOOTER
// external "xml-but-prettier"
// module id = 631
// module chunks = 0

export { default as Parameters }

// WEBPACK FOOTER
// external "xml-but-prettier"
// module id = 632
// module chunks = 0

export { default as Parameters }
from "./parameters"

// WEBPACK FOOTER // ./src/core/components/parameters/index.js,""
onChangeConsumes={this.onChangeConsumesWrapper}

onChange={this.onChangeConsumesWrapper}

specSelectors={specSelectors}

specActions={specActions}

oas3Actions={oas3Actions}

oas3Selectors={oas3Selectors}

pathMethod={pathMethod}

isExecute={isExecute}

)$/n

<Callbacks

callbacks={(Map(operation.get("callbacks")))} />

specPath={specPath.slice(0, -1).push("callbacks")} />

label />

<ContentType

value={oas3Selectors.requestContentType(...pathMethod)} />

contentTypes={requestBody.get("content", List()).keySeq()} />

onChange={(value) => {

oas3Actions.setRequestContentType({ value, pathMethod })

}}

contentType={oas3Selectors.requestContentType(...pathMethod)}/>

<RequestBody

requestBody={requestBody}

requestBodyValue={oas3Selectors.requestBodyValue(...pathMethod)}

isExecute={isExecute}

activeExamplesKey={oas3Selectors.activeExamplesMember(...pathMethod,

contextType: "requestBody",

contextName: "requestBody" // RBs are currently not stored per-mediaType

)}/>

updateActiveExamplesKey={key => {

this.props.oas3Actions.setActiveExamplesMember({

name: key,

pathMethod:

contextType: "requestBody",

contextName: "requestBody" // RBs are currently not stored per-mediaType

})}/>

onChange={({value, path}) => {

if(path) {

const lastValue = oas3Selectors.requestBodyValue(...pathMethod)

return oas3Actions.setRequestBodyValue({

pathMethod,

value: usableValue.setIn(path, value)
})

}

oas3Actions.setRequestBodyValue({ value, pathMethod })

}}

contentType={oas3Selectors.requestContentType(...pathMethod)}/>

</tbody>

</table>

</div>

</div>

</div>

</div>

</div>

</div>


// WEBPACK FOOTER //
// ./src/core/components/parameters/parameters.jsx
PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.object.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.object.isRequired,
    pathMethod: PropTypes.array.isRequired,
getConfigs:
PropTypes.object.isRequired,
    specPath: ImPropTypes.list.isRequired,
    oas3Actions:
PropTypes.object.isRequired,
    specSelectors: PropTypes.object.isRequired,
    specActions:
PropTypes.object.isRequired,
    isOAS3: PropTypes.bool.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.object.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.func.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.func.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.func.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.func.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.object.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.object.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.object.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.func.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.func.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.func.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.func.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.object.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.object.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.object.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.func.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.func.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.func.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.func.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.object.isRequired,
    isExecute: PropTypes.bool.isRequired,
onChangeConsumes:
PropTypes.object.isRequired,
    pathMethod: PropTypes.array.isRequired,
getOnRequest:
PropTypes.object.isRequired,
    propNames: PropTypes.array.isRequired,
    oas3Api:
PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    fn:
PropTypes.func.isRequired,
    isExecute: PropTypes.bool.isRequired,
Open Source Used In SDWan
editorActions.jumpToLine) { 
  var jumpToLine = editorActions.jumpToLine
} 

let errors = errSelectors.allErrors() // all thrown errors, plus error-level everything else 
let allErrorsToDisplay = errors.filter(err => err.get('type') === 'thrown' ? true : err.get('level') !== 'error') 
if(allErrorsToDisplay.length < 1) { 
  return null
} 
let isVisible = layoutSelectors.isShown('errorPanel', true) 
let toggleVisibility = () => layoutActions.show('errorPanel'), 
let sortedJSErrors = allErrorsToDisplay.sortBy(err => err.get('line')) 
return ( 
  pre className="errors-wrapper" >
    hgroup className="error">
      h4 className="errors__title">Errors</h4> 
      button className="btn errors__clear-btn" onClick={ 
        toggleVisibility }>{ isVisible ? "Hide" : "Show" } </button>
    </hgroup>
    Collapse isOpened={ isVisible } animated >
      div className="errors">
        { sortedJSErrors.map((err, i) => { 
          let type = err.get('type') 
          if(type === 'thrown' || type === 'auth') { 
            return <ThrownErrorItem key={ i } error={ err.get('error') } jumpToLine={jumpToLine} /> 
          } 
          if(type === 'spec') {
            return <SpecErrorItem key={ i } error={ err } jumpToLine={jumpToLine} />
          } 
        }) } 
      </div>
    </Collapse>
  </pre>
  )
}

const ThrownErrorItem = ( { error, jumpToLine } ) => {
  if(!error) { 
    return null
  } 
  let errorLine = error.get('line') 
  return (<
    div className="error-wrapper">
      { !error ? null :
        <div>
          h4>{ toTitleCase(error.get('source')) }&nbsp;{ error.get('level') }
            small>{ error.get('path') ? <small>at {error.get('path')}</small>: null } 
          span style={ { whiteSpace: 'pre-line', 'maxWidth': '100%' } }>
            message={ error.get('message') }
          </span>
          div style={{ "text-decoration": "underline", "cursor": "pointer" }}>
            { errorLine && jumpToLine ? (<a
              onClick={jumpToLine.bind(null, errorLine)}>Jump to line { errorLine }</a> ) : null }
          </div>
        </div>
      }
    </div>
    )
  }

const SpecErrorItem = ( { error, jumpToLine } ) => {
  let locationMessage = null 
  if(error.get('path')) { 
    if(List.isList(error.get('path'))) { 
      locationMessage = <small>at {error.get('path').join('..')}</small>
    } else { 
      locationMessage = <small>at { error.get('path') } 
    } 
  } 
  return (<
    div className="error-wrapper">
      { !error ? null :
        <div>
          h4>{ toTitleCase(error.get('source')) }&nbsp;{ locationMessage }
            span>{ error.get('message') } 
          div style={{ "text-decoration": "underline", "cursor": "pointer" }}>
            { jumpToLine ? (<a
              onClick={jumpToLine.bind(null, error.get('line'))}>Jump to line { error.get('line') }</a> ) : null }
          </div>
        </div>
      }
    </div>
    )
  }

function toTitleCase(str) {
  return (str || "")
    .split(" ")
    .map(substr => substr[0].toUpperCase() + substr.slice(1))
    .join(" ")
}

ThrownErrorItem.propTypes = {
  error: PropTypes.object.isRequired,
  jumpToLine: PropTypes.func
}

ThrownErrorItem.defaultProps = {
  jumpToLine: null
}

SpecErrorItem.propTypes = {
  error: PropTypes.object.isRequired,
  jumpToLine: PropTypes.func
}

// WEBPACK FOOTER //
// ./src/core/components/errors.jsx"
```javascript
import React from "react"
import PropTypes from "prop-types"
import { Link } from "core/components/layout-utils"

export default class Overview extends React.Component {

  constructor(...args) {
    super(...args)
    this.setTagShown = this._setTagShown.bind(this)
  }

  _setTagShown(showTagId, shown) {
    this.props.layoutActions.show(showTagId, shown)
  }

  showOp(key, shown) {
    let { layoutActions } = this.props
    layoutActions.show(key, shown)
  }

  render() {
    let { specSelectors, layoutSelectors, layoutActions, getComponent } = this.props
    let taggedOps = specSelectors.taggedOperations()

    const Collapse = getComponent("Collapse")

    return (
        <div>
          <h4 className="overview-title">Overview</h4>
          {
            taggedOps.map( (tagObj, tag) => {
              let operations = tagObj.get("operations")
              let showTagId = ["overview-tags", tag]
              let showTag = layoutSelectors.isShown(showTagId, true)
              let toggleShow = () => layoutActions.show(showTagId, !showTag)
              return (
                <div key="overview-"+tag>
                  <h4 onClick={toggleShow} className="link overview-tag"> {showTag ? "-" : "+"}{tag}</h4>
                  <Collapse isOpened={showTag} animated>
                    {
                      operations.map( op => {
                        let { path, method, id } = op.toObject() // toObject is shallow
                        let showOpIdPrefix = "operations"
                        let showOpId = id
                        let shown = layoutSelectors.isShown([showOpIdPrefix, showOpId])
                        return <OperationLink key={id}
                                              path={path}
                                              method={method}
                                              id={path + "-" + method}
                                              shown={shown}
                                              showOpId={showOpId}
                                              showOpIdPrefix={showOpIdPrefix}
                                              href={`#operation-${showOpId}`}
                                              onClick={layoutActions.show} />
                      }).toArray()
                    }
                  </Collapse>
                </div>
            }).toArray()
          }
          { taggedOps.size < 1 && <h3> No operations defined in spec! </h3> }
        </div>
    )
  }

  static propTypes = {
    layoutSelectors: PropTypes.object.isRequired,
    specSelectors: PropTypes.object.isRequired,
    layoutActions: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired
  }

  static defaultProps = {
    layoutSelectors: { isCancelled: false },
    specSelectors: { },
    layoutActions: { }
  }

}

class OperationLink extends React.Component {

  constructor(props) {
    super(props)
    this.onClick = this._onClick.bind(this)
  }

  _onClick() {
    let { showOpId, showOpIdPrefix, onClick, shown } = this.props
    onClick([showOpIdPrefix, showOpId], !shown)
  }

  render() {
    let { id, method, shown, href } = this.props
    return (
      <Link href={href} style={{fontWeight: shown ? "bold" : "normal"}} onClick={this.onClick} className="block opblock-link">
        <div>
          <small className={`bold-label-${method}`}>{method.toUpperCase()}</small>
          <span className="bold-label" >{id}</span>
        </div>
      </Link>
    )
  }

}

OperationLink.propTypes = {
  href: PropTypes.string,
  onClick: PropTypes.func,
  id: PropTypes.string.isRequired,
  method: PropTypes.string.isRequired,
  shown: PropTypes.bool.isRequired,
  showOpId: PropTypes.string.isRequired,
  showOpIdPrefix: PropTypes.string.isRequired
}
```

---

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---

```css
onChange={this.onChangeWrapper} >
          { contentTypes.map( (val) => {
            return <option key={ val }
            value={ val }>{ val }</option>
          }).toArray()}
        </select>
      </div>
    )
  }
}

```
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```javascript
import React from 'react';
import PropTypes from 'prop-types';

export default class Info extends React.Component {
  static propTypes = {
    info: PropTypes.object.isRequired,
  }

  render() {
    let { info } = this.props
    return <div>
      {info && info.count() ? <div>
        <Info info={info} url={info.get('url')} host={info.get('host')} basePath={info.get('basePath')} externalDocs={info.get('externalDocs')} getComponent={info.get('component')} />
      </div> : null}
    </div>
  }
}

Info.propTypes = {
  info: PropTypes.any,
  url: PropTypes.string,
  host: PropTypes.string,
  basePath: PropTypes.string,
  externalDocs: PropTypes.any,
  component: PropTypes.any,
}
```

```javascript
// WEBPACK FOOTER //
// ./src/core/components/info.jsx
```
const {target: {value}} = e
    this.props.layoutActions.updateFilter(value)
  }

  render () {
    const {specSelectors, layoutSelectors, getComponent} = this.props
    const Col = getComponent("Col")

    const isLoading = specSelectors.loadingStatus() === "loading"
    const isFailed = specSelectors.loadingStatus() === "failed"
    const filter = layoutSelectors.currentFilter()

    const inputStyle = {}
    if (isFailed) inputStyle.color = "red"
    if (isLoading) inputStyle.color = "#aaa"

    return (
      <div>
        {filter === null || filter === false ? null :
          <div className="filter-container">
            <Col className="filter wrapper" mobile={12}>
              <input className="operation-filter-input" placeholder="Filter by tag" type="text"
                     onChange={this.onFilterChange} value={filter === true || filter === "true" ? "" : filter}
                     disabled={isLoading} style={inputStyle}/>
          </div>
        }
      </div>
    )
  }
}


// WEBPACK FOOTER //
// ./src/core/containers/filter.jsx,
onToggle: PropTypes.func,
    hideSelfOnExpand: PropTypes.bool,
} default static defaultProps = {
  collapsedContent: "\[...\]",
  expanded: false,
  title: null,
  onToggle: () => {},
  hideSelfOnExpand:
    false
} constructor(props, context) {
  expanded: expanded,
  context: collapsedContent
}
ModelCollapse.defaultProps = {
  componentDidMount: () => {
    this.props.onToggle(expanded, expanded, modelName)
    if (this.props.expanded !== nextProps.expanded) {
      this.setState({ expanded: nextProps.expanded })
      return
    }
    this.state.toggleCollapsed = () => {
      if (this.props.onToggle) {
        this.setState({ expanded: !this.state.expanded })
      }
      return
    }
    this.props.onToggle(this.props.modelName, expanded)
    return
  }
  toggleCollapsed = () => {
    this.props.onToggle(this.props.modelName, !this.state.expanded)
    this.setState({
      expanded: !this.state.expanded
    })
  }
  render() {
    const { title, classes } = this.props
    if (this.state.expanded) {
      return
    }
    return (<span className={classes}>
      {title && <span onClick={this.toggleCollapsed} style={{"cursor": "pointer"}}>{title}</span>}
    </span>)
  }
}

export default class ModelExample extends React.Component {
  static propTypes = {
    getComponent: PropTypes.func.isRequired,
    specSelectors: PropTypes.object.isRequired,
    schema: PropTypes.object.isRequired,
  }
  constructor(props, context) {
    super(props, context)
    let { specSelectors } = context
    this.state = {
      activeTab: activeTab
    }
Component {

  static propTypes = {
    schema: PropTypes.object.isRequired,
    name: PropTypes.string,
    displayName: PropTypes.string,
    getComponent: PropTypes.func.isRequired,
    getConfigs:
PropTypes.func.isRequired,
    specSelectors: PropTypes.object.isRequired,
    expandoNes: PropTypes.number,
    layoutStore: PropTypes.object,
    layoutSelectors: PropTypes.object.isRequired,
    expandDepth:
PropTypes.number,
    layoutActions: PropTypes.object.isRequired,
    expanded:
}

  onToggle = (name, isShown) => {
    // If this prop is present, we'll have deepLinking for it
    if(this.props.layoutActions) {
      this.props.layoutActions.show(["models", name], isShown)
    }
  }

  render() {
    let { getComponent, getConfigs } = this.props
    const Model = getComponent("Model")

    let expanded
    if(this.props.layoutSelectors) {
      // If this is prop is present, we'll have deepLinking for it
      expanded = this.props.layoutSelectors.isShown(["models", this.props.name])
    }

    return <div
      className="model-box">
      <Model { ...this.props } getConfigs={ getConfigs } expanded={expanded}
        depth={ 1 } onToggle={ this.onToggle } expandDepth={ this.props.expandDepth || 0 } />
    </div>
  }
}

export default class
Models extends Component {
  static propTypes = {
    getComponent: PropTypes.func,
    specSelectors:
PropTypes.object,
    specActions: PropTypes.object.isRequired,
    layoutSelectors: PropTypes.object.isRequired,
    layoutActions: PropTypes.object,
    getConfigs: PropTypes.func.isRequired
  }

  getSchemaBasePath = () => {
    const isOAS3 = this.props.specSelectors.isOAS3()
    return isOAS3 ? ["components", "schemas"] :
  ["definitions"]
  }

  getCollapsedContent = () => {
    return " "
  }

  handleToggle = (name, isExpanded) => {
    const { layoutActions } = this.props
    layoutActions.show(["models", name], isExpanded)
    if(isExpanded) {
      this.props.specActions.requestResolvedSubtree([...this.getSchemaBasePath(), name])
    }
  }

  render() {
    let { specSelectors, getComponent, layoutSelectors, layoutActions, getConfigs } = this.props
    let definitions = specSelectors.definitions()
    let { docExpansion, defaultModelsExpandDepth } = getConfigs()
    if (!definitions.size || defaultModelsExpandDepth < 0) return null

    let showModels = layoutSelectors.isShown("models", defaultModelsExpandDepth > 0 &
      & docExpansion !== "none")
    const specPathBase = this.getSchemaBasePath()
    const isOAS3 = specSelectors.isOAS3()
    const ModelWrapper = getComponent("ModelWrapper")
    const Collapse = getComponent("Collapse")
    const ModelCollapse = getComponent("ModelCollapse")
    const JumpToPath = getComponent("JumpToPath")
    return <section
      className={ showModels ? "models is-open" : "models"}>
      <h4 onClick={() =>
        layoutActions.show("models", !showModels)}>
        <span>{isOAS3 ? "Schemas" : "Models"}</span>
        <svg width="20" height="20">
          <use xlinkHref={showModels ? "#large-arrow-down" : "#large-arrow"} />
        </svg>
      </h4>
      <Collapse isOpened={showModels}>
        {
          definitions.entrySeq().map(([
            name]) => {
            const fullPath = [...specPathBase, name]

            const schemaValue = specSelectors.specResolvedSubtree(fullPath)
            const rawSchemaValue = specSelectors.specJson().getIn(fullPath)

            const schema = Map.isMap(schemaValue) ? schemaValue :
              Im.Map()
            const rawSchema = Map.isMap(rawSchemaValue) ? rawSchemaValue :
              Im.Map()

            const displayName = schema.get("title") || rawSchema.get("title") || name
            const isShown = layoutSelectors.isShown(["models", name], false)
            if(isShown &
              & (schema.size === 0 &
              & rawSchema.size > 0)) {
              // Firing an action in a container render is not great,
              // but it works for now.
              this.props.specActions.requestResolvedSubtree([...this.getSchemaBasePath(), name])
            }

            const specPath = Im.List([...specPathBase, name]).map(n => {
              const fullPath = [...specPathBase, name, n].join("\"\")
              const expandDepth = Im.List([...defaultModelsExpandDepth], n).map(s =>
                s || n)
              const specPath = Im.List([...specPathBase, name]).map(n => {
                const specPath = Im.List([...specPathBase, name], n).map(n => {
                  const expandDepth = Im.List([...defaultModelsExpandDepth], n).map(s =>
                    s || n)
                  return <div
                    className="model-model-title" />
                }]
              }]
            }]
          }]
        }
      }
    }\n  }
}
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```jsx
import React, { Component } from "react"
import PropTypes from "prop-types"

const propStyle = { color: "#999", fontStyle: "italic" }

export default class ArrayModel extends Component {
  static propTypes = {
    schema: ImPropTypes.list.isRequired,
    depth: PropTypes.number
  }

  render(){
    let { getComponent, getConfigs, name: PropTypes.string, required: PropTypes.bool, expandDepth: PropTypes.number, specPath: PropTypes.object.isRequired, getComponent: PropTypes.func.isRequired, getConfigs: PropTypes.func.isRequired, name: PropTypes.string, displayName: PropTypes.string } = this.props
    let description = schema.get("description")
    let items = schema.get("items")
    let title = schema.get("title") || displayName || (key, value) => {["type", "items", "description", "$$ref"].indexOf(key) === -1 )

    const Markdown = getComponent("Markdown")
    const ModelCollapse = getComponent("ModelCollapse")
    const titleEl = title &&
      <span className="model-title">
        <span
          getComponent("Property")
    const Model = getComponent("Model")
    const Property =

    /*
    Note: we set `name={null}` in <Model>

    const titleEl = title &&
      <span className="model-title">
        <span
```

```jsx
// WEBPACK FOOTER //
//
```
below because we don't want the name of the current Model passed (and displayed) as the name of the array element Model in

```javascript
*/

    return <span className="model">
      <ModelCollapse title={titleEl} expanded={depth <= expandDepth } collapsedContent="[...]">
        [
          {
            properties.size ?
              properties.entrySeq().map( ( [ key, v ] ) => <Property key={`${key}-${v}`} propKey={ key } propVal={ v } propStyle={ propStyle } />) : null
          }
          {
            !description ? (properties.size ? <div className="markdown"></div> : null) :
              <Markdown source={ description } />
          }
        ]
      </ModelCollapse>
    </span>

```
export default SvgAssets

import React from 'react'
import PropTypes from 'prop-types'

export default class BaseLayout extends React.Component {

  static propTypes = {
    errSelectors: PropTypes.object.isRequired,
    errActions: PropTypes.object.isRequired,
    specSelectors: PropTypes.object.isRequired,
    oas3Selectors: PropTypes.object.isRequired,
    oas3Actions: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired
  }

  render() {
    let {errSelectors, specSelectors, getComponent} = this.props

    let SvgAssets = getComponent('SvgAssets')
    let InfoContainer = getComponent('InfoContainer', true)
    let VersionPragmaFilter = getComponent('VersionPragmaFilter')
    let Operations = getComponent('Operations', true)
    let Row = getComponent('Row')
    let Col = getComponent('Col')
    let Errors = getComponent('Errors', true)
    let const ServersContainer = getComponent('ServersContainer', true)
    let const SchemesContainer = getComponent('SchemesContainer', true)
    let const AuthorizeBtnContainer = getComponent('AuthorizeBtnContainer', true)
    let const FilterContainer = getComponent('FilterContainer', true)
    let isSwagger2 = specSelectors.isSwagger2()
    let isOAS3 = specSelectors.isOAS3()

    const isSpecEmpty = !specSelectors.specStr()

    const loadingStatus = specSelectors.loadingStatus()

    let loadingMessage = null

    if(loadingStatus === 'loading') {
      loadingMessage = <div className="info">
        <div className="loading-container">
          <div className="loading"></div>
        </div>
      </div>
    }

    if(loadingStatus === 'failed') {
      loadingMessage = <div className="info">
        <div className="loading-container">
          <h4 className="title">Failed to load API definition.</h4>
          <Errors />
        </div>
      </div>
    }

    if (loadingStatus === 'failedConfig') {
      const lastErr = errSelectors.lastError()
      const lastErrMsg = lastErr ? lastErr.get('message') : ''
      loadingMessage = <div className="info" style={{ maxWidth: '880px', margin: 'auto', textAlign: 'center' }}>
        <div className="loading-container">
          <h4 className="title">Failed to load remote configuration.</h4>
          <p>{lastErrMsg}</p>
        </div>
      </div>
    }

    if(!loadingMessage && isSpecEmpty) {
      loadingMessage = <h4>No API definition provided.</h4>
    }

    if(loadingMessage) {
      return <div className='swagger-ui'>
        <div className="loading-container">
          {loadingMessage}
        </div>
      </div>
    }

    const servers = specSelectors.servers()
    const schemes = specSelectors.schemes()

    const hasServers = servers && servers.size
    const hasSchemes = schemes && schemes.size
    const hasSecurityDefinitions = !!specSelectors.securityDefinitions()

    return (<
      <div className='swagger-ui'>
        <div className="loading-container">
          {loadingMessage}
        </div>
      </div>
    )

    <Row className="information-container">
      <Col mobile={12}>
        <InfoContainer/>
      </Col>
    </Row>

    {hasServers || hasSchemes || hasSecurityDefinitions ? (<
      <div className="scheme-container">
        <Col className="schemes wrapper" mobile={12} desktop={12} >
          {hasServers ? (<ServersContainer />) : null}
          {hasSchemes ? (<SchemesContainer />) : null}
          {hasSecurityDefinitions ? (<AuthorizeBtnContainer />) : null}
        </Col>
      </div>
    ) : null}

    <FilterContainer/>

    <Row>
      <Col mobile={12} desktop={12} >
        <Operations/>
      </Col>
    </Row>

    <Row>
      <Col mobile={12} desktop={12} >
        <Models/>
      </Col>
    </Row>

    <VersionPragmaFilter />
  
  }
}

// WEBPACK FOOTER //
// ./src/core/components/layouts/base.jsx
import React, { PureComponent, Component } from 'react'
import PropTypes from 'prop-types'
import { List, fromJS } from 'immutable'
import cx from 'classnames'
import ImPropTypes from 'react-immutable-proptypes'
import DebounceInput from 'react-debounce-input'
//import 'less/json-schema-form'

const noop = ()=> {}
required: PropTypes.bool,
  onChange: PropTypes.func,
  onKeyPress: PropTypes.func,
  onKeyUp: PropTypes.func,
  onMouseDown: PropTypes.func,
  onMouseUp: PropTypes.func,
  onMouseMove: PropTypes.func,
  onMouseOver: PropTypes.func,
  onMouseOut: PropTypes.func,
  onTouchStart: PropTypes.func,
  onTouchEnd: PropTypes.func,
  onTouchMove: PropTypes.func,
  value: PropTypes.any,
  defaultValue: PropTypes.any,
  children: PropTypes.node,
  className: PropTypes.string,
  style: PropTypes.object,
  disabled: PropTypes.bool,
  required: PropTypes.bool,
  errors: PropTypes.any,
  onSetFocus: PropTypes.func,
  onLostFocus: PropTypes.func,
  isDisabled: PropTypes.bool,
  isDirty: PropTypes.bool,
  isSubmitting: PropTypes.bool,
  isTouched: PropTypes.bool,
  isValid: PropTypes.bool,
  isInvalid: PropTypes.bool,
  isFieldTouched: PropTypes.bool,
  isFieldValid: PropTypes.bool,
  isFieldInvalid: PropTypes.bool,
  isFieldError: PropTypes.bool,
  isFieldErrorTouched: PropTypes.bool,
  isFieldErrorValid: PropTypes.bool,
  isFieldErrorInvalid: PropTypes.bool,
  isFieldErrorInvalidTouched: PropTypes.bool,
  isFieldErrorTouchedInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedValid: PropTypes.bool,
  isFieldErrorTouchedInvalidValid: PropTypes.bool,
  isFieldErrorValidTouched: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalid: PropTypes.bool,
  isFieldErrorTouchedInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorInvalidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
  isFieldErrorValidTouchedInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalidInvalid: PropTypes.bool,
Open Source Used In SD-WAN 20.4.1
Open Source Used In SDWan 20.4.1
Open Source Used In SDWan 20.4.1

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Open Source Used In SDWan

Open Source Used In SDWan 20.4.1  6037
Open Source Used In SDWan 20.4.1

6041
require('./_global');
var hide = require('./_hide');
var has = require('./_has');
var SRC = require('./_uid')('src');
var TO_STRING = 'toString';
var $toString = Function[TO_STRING];
var TPL = ('' + $toString).split(TO_STRING);

require('./_core').inspectSource = function (it) {
  return $toString.call(it);
};

(module.exports = function (O, key, val, safe) {
  var isFunction = typeof val == 'function';
  if (isFunction) has(val, 'name') || hide(val, 'name', key);
  if (O[key] === val) return;
  if (isFunction)
    has(val, SRC) || hide(val, SRC, O[key] ? '' + O[key] : TPL.join(String(key)));
  if (O === global) {
    O[key] = val;
  } else if (!safe) {
    delete O[key];
    hide(O, key, val);
  } else if (O[key]) {
    O[key] = val;
  } else {
    hide(O, key, val);
  } // add fake Function#toString for correct work wrapped methods / constructors with methods like LoDash isNative
})(Function.prototype, TO_STRING, function toString() {
  return typeof this == 'function' && this[SRC] || $toString.call(this);
});
properties that belong on the element.

type: type,
key: key,
ref: ref,
props: props,

// Record the component responsible for creating this element.
_owner: owner

if (process.env.NODE_ENV !== 'production') {
  // The validation flag is currently mutative. We put it on
  // an external backing store so that we can freeze the whole object.
  // This can be replaced with a WeakMap once they are implemented
  // commonly used development environments.
  element._store = {};

  // To make comparing ReactElements easier for testing purposes, we make
  // the validation flag non-enumerable (where possible, which should
  // include every environment we run tests in), so the test framework
  // ignores it. In (canDefineProperty) { 
  Object.defineProperty(element, '_source', { 
    configurable: false,
    enumerable: false,
    writable: false,
    value: self
  });
}
// Two elements created in two different places should be considered
// equal for testing purposes and therefore we hide it from enumeration.
Object.defineProperty(element, '_self', { 
  configurable: false,
  enumerable: false,
  writable: false,
  value: self
});

// Resolve default props
if (type && type.defaultProps) {
  var defaultProps = type.defaultProps;
  for (propName in defaultProps) {
    if (props[propName] === undefined) {
      props[propName] = defaultProps[propName];
    }
  }
}
if (process.env.NODE_ENV !== 'production') {
  if (key || ref) {
    if (typeof props.$$typeof === 'undefined' || props.$$typeof !== REACT_ELEMENT_TYPE) {
      var displayName = typeof type === 'function' ? type.displayName || type.name || 'Unknown';
      if (key || ref) {
        defineKeyPropWarningGetter(props, displayName);
      }
    }
  }
}

return ReactElement(type, key, ref, self, source, ReactCurrentOwner.current, props);
};

/**
 * Return a function that produces ReactElements of a given type.
 * See https://facebook.github.io/react/docs/top-level-api.html#react.createfactory
 */
ReactElement.createFactory = function (type) {
  var factory = ReactElement.createElement.bind(null, type);
  // Expose the type on the factory and the prototype so that it can
  // be easily accessed on elements. E.g. <Foo type={type} />.
  // This should not be named 'constructor' since this may not be the function
  // that created the element, and it may not even be a constructor.
  // Legacy hook
  TODO: Warn if this is accessed
  return function (factory.type = type) {
    return function (factory, type) {
      var key = null; var ref = null; var self = null; var source = null; if (config !== null) {
        if (hasValidRef(config)) {
          ref = config.ref;
        }
        if (hasValidKey(config)) {
          key = '' + config.key;
        }
        self = config.__self === undefined ? null : config.__self;
        source = config.__source === undefined ? null : config.__source;
      }
      var childrenLength = arguments.length - 2;
      if (childrenLength === 1) {
        props.children = children;
        if (process.env.NODE_ENV !== 'production') {
          if (Object.freeze) {
            Object.freeze(childArray);
          }
        }
      }
      return ReactElement(type, key, ref, self, source, ReactCurrentOwner.current, props);
    }
  };
}

ReactElement.cloneAndReplaceKey = function (oldElement, newKey) {
  var newElement = ReactElement(oldElement.type, newKey, oldElement._self, oldElement._source, oldElement._owner, oldElement.props);
  return newElement;
};

/**
 * Clone and return a new ReactElement using element as the starting point.
 * See https://facebook.github.io/react/docs/top-level-api.html#react.cloneelement
 */
ReactElement.cloneElement = function (element, config, children) {
  var propNames = element.props;
  if (process.env.NODE_ENV !== 'production') {
    Object.defineProperty(element, 'validated', { 
      configurable: false,
      enumerable: false,
      writable: true,
      value: false
    });
  }
  if (Object.freeze) {
    Object.freeze(element.props);
    Object.freeze(element);
  }
  return ReactElement(element.type, element.key, element.ref, element._self, element._source, element._owner, element.props, element);
preserved since the owner is preserved.

```javascript
var self = element._self;
// Source is preserved since cloneElement is
// unlikely to be targeted by a
// transpiler, and the original source is probably a better indicator of the
// true owner.
var source = element._source;
// Owner will be preserved, unless ref is overridden
if (config !== null) {
  var if (hasValidRef(config)) {
    // Silently steal the ref from the
    parent.
    ref = config.ref;
  }
  owner = ReactCurrentOwner.current;
}
if (hasValidKey(config)) {
  key = " + config.key;
}
// Remaining properties override existing props
var defaultProps = (element.type & element.type.defaultProps)
  ? defaultProps : element.type.defaultProps;
for (propName in config) {
  if (hasOwnProperty.call(config, propName) &&
      RESERVED_PROPS.hasOwnProperty(propName)) {
    if (config[propName] !== undefined &&
        defaultProps[propName] !== undefined) {
      // Resolve default props
      props[propName] = defaultProps[propName];
    } else {
      props[propName] = config[propName];
    }
  }
}
if (config != null) {
  if (hasValidRef(config)) {
    // Silently steal the ref from the
    parent.
    ref = config.ref;
    owner = ReactCurrentOwner.current;
  }
  if (hasValidKey(config)) {
    key = ' + config.key;
  }
  // Owner will be preserved, unless ref is overridden
  owner = element._owner;

  if (config != null) {
    if (hasValidRef(config)) {
      // Silently steal the ref from the
      parent.
      ref = config.ref;
      owner = ReactCurrentOwner.current;
    }
    if (hasValidKey(config)) {
      key = ' + config.key;
    }
    // Remaining properties override existing props
    var defaultProps = (element.type & element.type.defaultProps)
      ? defaultProps : element.type.defaultProps;
    for (propName in config) {
      if (hasOwnProperty.call(config, propName) &&
          RESERVED_PROPS.hasOwnProperty(propName)) {
        if (config[propName] !== undefined &&
            defaultProps[propName] !== undefined) {
          // Resolve default props
          props[propName] = defaultProps[propName];
        } else {
          props[propName] = config[propName];
        }
      }
    }
  }

  // Children can be more than one argument, and those are transferred onto
  // the newly allocated props object
  var childrenLength = arguments.length - 2;
  if (childrenLength === 1) {
    var children = children;
    if (childrenLength > 1) {
      var childArray = Array(childrenLength);
      for (var i = 0; i < childrenLength; i++) {
        childArray[i] = arguments[i + 2];
      }
      children = childArray;
    }
    return ReactElement(element.type, key, ref, self,
                         source, owner, props);
  }

  // Children can be more than one argument, and those are transferred onto
  // the newly allocated props object
  var childrenLength = arguments.length - 2;
  if (childrenLength === 1) {
    var children = children;
  } else if (childrenLength > 1) {
    var childArray = Array(childrenLength);
    for (var i = 0; i < childrenLength; i++) {
      childArray[i] = arguments[i + 2];
    }
    children = childArray;
  }
  return ReactElement(element.type, key, ref, self,
                       source, owner, props);
}
```
```javascript
// setTimeout
var clearTimeout = null;
if (typeof clearTimeout === 'function') {
    cachedClearTimeout = clearTimeout;
    return clearTimeout(marker);
} else {
    queue = [];
    queueIndex = -1;
}

// clearTimeout.length
var queue = [];
var queueIndex = -1;

function cleanUpNextTick() {
    if (!draining || !currentQueue) {
        return;
    }
    draining = false;
    if (currentQueue.length) {
        queue = currentQueue.concat(queue);
    } else {
        queueIndex = -1;
    }
    if (queue.length) {
        drainQueue();
    }
}

function drainQueue() {
    if (draining) {
        return;
    }
    var timeout = runTimeout(cleanUpNextTick);
    draining = true;

    var len = queue.length;
    while(len) {
        currentQueue = queue;
        queue = [];
        while (++queueIndex < len) {
            if (currentQueue) {
                currentQueue[queueIndex].run();
            }
        }
        queueIndex = -1;
        len = queue.length;
    }
    currentQueue = null;
    draining = false;
    runClearTimeout(timeout);
}

// v8 likes predictable objects
function Item(fun, array) {
    this.fun = fun;
    this.array = array;
}
Item.prototype.run = function () {
    this.fun.apply(null, this.array);
};

process.title = 'browser';
process.browser = true;
process.env = {};
process.argv = [];
process.version = ''; // empty string to avoid regexp issues
process.versions = {};

function noop() {}

process.on = noop;
process.addListener = noop;
process.once = noop;
process.off = noop;
process.removeListener = noop;
process.removeAllListeners = noop;
process.emit = noop;
process.prependListener = noop;
process.prependOnceListener = noop;

process.listeners = function (name) { return [] }

process.binding = function (name) {
    throw new Error('process.binding is not supported');
};

process.cwd = function () { return '/' };
process.chdir = function (dir) {
    throw new Error('process.chdir is not supported');
};
process.umask = function() { return 0; };

//////////////////
// WEBPACK FOOTER
// ./node_modules/process/browser.js
// module id = 34
// module chunks = 0
"use strict";

var isValue = require("./is-value");

module.exports = function (value) {
    if (!isValue(value)) throw new TypeError("Cannot use null or undefined");
    return value;
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/es5-ext/object/valid-value.js
// module id = 36
// module chunks = 0

function isNothing(subject) {
    return (typeof subject === 'undefined') || (subject === null);
}

function isObject(subject) {
    return (typeof subject === 'object') && (subject !== null);
}

function toArray(sequence) {
    if (Array.isArray(sequence)) return sequence;
    else if (isNothing(sequence)) return null;
    return (typeof sequence === 'function') ? sequence.length : sequence.length;
}

function extend(target, source) {
    var index, length, key, sourceKeys;

    if (source) {
        sourceKeys = Object.keys(source);
        for (index = 0, length = sourceKeys.length; index < length; index++) {
            key = sourceKeys[index];
            target[key] = source[key];
        }
    }
    return target;
}

function repeat(string, count) {
    var result = '', cycle;

    for (cycle = 0; cycle < count; cycle += 1) {
        result += string;
    }
    return result;
}

function isNegativeZero(number) {
    return (number === 0) && (Number.NEGATIVE_INFINITY === 1 / number);
}

module.exports.isNothing = isNothing;
module.exports.isObject = isObject;
module.exports.toArray = toArray;
```
toArray;
module.exports.repeat         = repeat;
module.exports.isNegativeZero = isNegativeZero;
module.exports.extend         = extend;


//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml/common.js

var common        = require('./common');
var YAMLException = require('./exception');
var Type          = require('./type');


function compileList(schema, name, result) {
  var
    exclude = [];

  schema.include.forEach(function (includedSchema) {
    result = compileList(includedSchema, name, result);
  });

  schema[name].forEach(function (currentType) {
    result.forEach(function (previousType, previousIndex) {
      if (previousType.tag === currentType.tag &
          previousType.kind === currentType.kind) {
          exclude.push(previousIndex);
      }
    });

    result.push(currentType);
  });

  return result.filter(function (type, index) {
    return exclude.indexOf(index) === -1;
  });
}


function compileMap(/* lists... */) {
  var
      result = {
        scalar: {},
        sequence: {},
        mapping: {},
        fallback: {}
      }, index, length;

  function collectType(type) {
    result[type.kind][type.tag] = result['fallback'][type.tag] = type;
  }

  for (index = 0, length = arguments.length; index < length; index += 1) {
    arguments[index].forEach(collectType);
  }
  return result;
}


function Schema(definition) {
  this.include  = definition.include  || [];
  this.implicit = definition.implicit || [];
  this.explicit = definition.explicit || [];

  this.implicit.forEach(function (type) {
    if (type.loadKind && type.loadKind !== 'scalar') {
      throw new YAMLException('There is a non-scalar type in the implicit list of a schema. Implicit resolving of such types is not supported.);
    }
  });

  this.compiledImplicit = compileList(this, 'implicit', []);
  this.compiledExplicit = compileList(this, 'explicit', []);
  this.compiledTypeMap = compileMap(this.compiledImplicit, this.compiledExplicit);
}


Schema.DEFAULT = null;


Schema.create = function createSchema() {
  var schemas, types;

  switch (arguments.length) {
    case 1:
      schemas = Schema.DEFAULT;
      types = arguments[0];
      break;
    case 2:
      schemas = arguments[0];
      types = arguments[1];
      break;
    default:
      throw new YAMLException('Wrong number of arguments for Schema.create function');
  }

  schemas = common.toArray(schemas);
  types = common.toArray(types);

  if (!schemas.every(function (schema) { return schema instanceof Schema; })) {
    throw new YAMLException('Specified list of super schemas (or a single Schema object) contains a non-Schema object.);
  }

  if (!types.every(function (type) { return type instanceof Type; })) {
    throw new YAMLException('Specified list of YAML types (or a single Type object) contains a non-Type object.);
  }

  return new Schema({
    include: schemas,
    explicit: types
  });
};


module.exports = Schema;


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_iterators.js

var $keys = require('./_object-keys-internal');
var enumBugKeys = require('./_enum-bug-keys');

module.exports = Object.keys || function keys(O) {
  return $keys(O, enumBugKeys);
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_object-keys.js

var toString = {}.toString;

module.exports = function (it) {
  return toString.call(it).slice(8, -1);
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_cof.js

module.exports = !require('./_fails')(function () {
  return Object.defineProperty({}, 'a', { get: function () { return 7; } }).a != 7;
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_descriptors.js

module.exports = function (exec) {
  try {
    return !!exec();
  } catch (e) {
    return true;
  }
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_fails.js

module.exports = {};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_to-length.js

/*
object-assign
(c) Sindre Sorhus
@license MIT
*/

'use strict';
/* eslint-disable no-unused-vars */
var
getOwnPropertySymbols = Object.getOwnPropertySymbols;

var hasOwnProperty = Object.prototype.hasOwnProperty;

var propIsEnumerable = Object.prototype.propertyIsEnumerable;

function toObject(val) {
  if (val === null || val === undefined) {
    throw new TypeError('Object.assign cannot be called with null or undefined');
  }
  return Object(val);
}

function shouldUseNative() {
  try {
    if (!Object.assign) {
      return false;
    }
    var test1 = new String('abc');
    var test2 = {a: 1, b: 2, c: 3};
    var test3 = {a: 1, b: 2, c: 3};
    test1[5] = '5';
    test2[1] = '1';
    test3[2] = '2';
    return true;
  } catch (err) {
    return false;
  }
}

module.exports = shouldUseNative() ? Object.assign : function (target, source) {
  var from;
  var to = toObject(target);
  var symbols;

  for (var s = 1; s < arguments.length; s++) {
    from = Object(arguments[s]);

    for (var key in from) {
      if (hasOwnProperty.call(from, key)) {
        to[key] = from[key];
      }
    }
    if (getOwnPropertySymbols) {
      symbols = getOwnPropertySymbols(from);
      for (var i = 0; i < symbols.length; i++) {
        if (propIsEnumerable.call(from, symbols[i])) {
          to[symbols[i]] = from[symbols[i]];
        }
      }
    }
  }
  return to;
};

getRawTag = require('./_getRawTag');

var proxyTag = '[object Proxy]';

function getProxyTag(target) {
  if (target == null) {
    return nullTag;
  }
  if (target instanceof Proxy) {
    return proxyTag;
  }
  var Ctor = typeof target.constructor === 'function' && target.constructor;
  if (Ctor) {
    if (typeof Ctor === 'string') {
      return Ctor;
    }
    if (typeof Symbol === 'function' && (Symbol.sham || Ctor[Symbol.toStringTag] !== undefined)) {
      return Ctor[Symbol.toStringTag] || (Ctor.prototype ? Ctor.prototype.constructor[Symbol.toStringTag] : undefined);
    }
  }
  return getTag(target);
}

getTag = getRawTag;
specification. This schema is based on standard YAML's Core schema and includes most of the extra types described at YAML tag repository. (http://yaml.org/type/)

```javascript
'use strict';

var Schema = require('../schema');

module.exports = new Schema({
  include: [
    require('./core')
  ],
  implicit: [
    require('../type/timestamp'),
    require('../type/merge')
  ],
  explicit: [
    require('../type/binary'),
    require('../type/omap'),
    require('../type/pairs'),
    require('../type/set')
  ]
});
```

This schema is based on standard YAML's Core schema and includes most of the extra types described at YAML tag repository. (http://yaml.org/type/)

```javascript
var IE8_DOM_DEFINE = require('./_ie8-dom-define');

function defineProperty(O, P, Attributes) {
  var anObject = require('.'/an-object');
  var P = toPrimitive(P, true);
  if (IE8_DOM_DEFINE) try {
    return dP(O, P, Attributes);
  } catch (e) { /* empty */ }
  if ('get' in Attributes ||
    'set' in Attributes) throw TypeError('Accessors not supported!');
  if ('value' in Attributes) O[P] = Attributes.value;
  return O;
}
```

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    return dP(O, P, Attributes);
  } catch (e) { /* empty */ }
  if ('get' in Attributes ||
    'set' in Attributes) throw TypeError('Accessors not supported!');
  if ('value' in Attributes) O[P] = Attributes.value;
  return O;
}
```

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    return dP(O, P, Attributes);
  } catch (e) { /* empty */ }
  if ('get' in Attributes ||
    'set' in Attributes) throw TypeError('Accessors not supported!');
  if ('value' in Attributes) O[P] = Attributes.value;
  return O;
}
```

This schema is based on standard YAML's Core schema and includes most of the extra types described at YAML tag repository. (http://yaml.org/type/)
** Buffer.prototype.@@__proto__ = Buffer.prototype

/* EXPORTS */
exports.TYPED_ARRAY_SUPPORT = Buffer.TYPED_ARRAY_SUPPORT
exports.TYPED_ARRAY_BUFFER_SIZE = Buffer.TYPED_ARRAY_BUFFER_SIZE

/* Getter for `Buffer.TYPED_ARRAY_SUPPORT` */
function typedArraySupport () {
  try {
    var arr = new Uint8Array(1)
    arr.__proto__ = {__proto__: Uint8Array.prototype, foo: function () { return 42 }}
    return arr.foo() === 42 && // typed array instances can be augmented
        typeof arr.subarray === 'function' && // chrome 9-10 lack `subarray` subarray(1, 1).byteLength === 0 // ie10 has broken `subarray`]
    catch (e) { return false
  }
}

/* Getter for `Buffer.kMaxLength` */
function kMaxLength () {
  return Buffer.TYPED_ARRAY_SUPPORT
    ? 0x7fffffff
    : 0x3fffffff
}

function Buffer (arg, encodingOrOffset, length) {
  if (!Buffer.TYPED_ARRAY_SUPPORT && !(this instanceof Buffer))
    return new Buffer(arg, encodingOrOffset, length)

  // Common case.
  if (typeof arg === 'number') {
    if (typeof encodingOrOffset === 'string') {
      throw new Error('If encoding is specified then the first argument must be a string')
    }
    return allocUnsafe(this, arg)
  }
  return from(this, arg, encodingOrOffset, length)
}

function createBuffer (that, length) {
  if (kMaxLength() < length) {
    throw new RangeError('Invalid typed array length')
  }
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    // Return an augmented `Uint8Array` instance, for best performance
    that = new Uint8Array(length)
    that.__proto__ = Buffer.prototype
  } else {
    // Fallback: Return an object instance of the Buffer class
    if (that === null) {
      that = new Buffer(length)
    }
    that.length = length
  }

  return that
}

/**
 * The Buffer constructor returns instances of `Uint8Array` that have their
 * prototype changed to `Buffer.prototype`. Furthermore, `Buffer` is a subclass of
 * `Uint8Array`, so the returned instances will have all the node `Buffer` methods
 * and the `Uint8Array` methods. Square bracket notation works as expected -- it returns a single octet.
 * `Buffer.from(array)
 * Buffer.from(buffer)
 * Buffer.from(arrayBuffer[, byteOffset[, length]])` are common cases. The `this` argument is not needed anymore. Remove in next major version.
 * `Buffer.TYPED_ARRAY_SUPPORT = global.TYPED_ARRAY_SUPPORT || (typeof global !== 'undefined' && global.TYPED_ARRAY_SUPPORT)`
 */
size).fill(fill)

return createBuffer(that, size)

/**
 * Equivalent to Buffer(num), by default creates a non-zero-filled Buffer instance.
 * alloc(size[, fill, encoding])
 * Gives a new filled Buffer instance.
 * alloc(function (size, fill, encoding))
 * Uses a supplied function to get its size.
 * alloc(null, size, fill, encoding)

 * SlowBuffer.allocUnsafe = function (size)
 * Uses a supplied function to get its size.
 * allocUnsafe = function (that, size)
 * Uses a supplied function to get its size.
 * allocUnsafeSlow = function (size)
 * Uses a supplied function to get its size.
 */
```
// The property is used by `Buffer.isBuffer` and `is-Buffer` (in Safari 5-7) to detect Buffer instances.
Buffer.prototype._isBuffer = true;

function swap (b, n, m) {
    var i = b[n]
    b[n] = b[m]
    b[m] = i
}

// This behaves neither like String nor Uint8Array in that we set start/end\n // to their upper/lower bounds if the value passed is out of range.\n // undefined is handled specially as per ECMA-262 6th Edition.\n // Section 13.3.3.7 Runtime Semantics: KeyedBindingInitialization.\n if (start === undefined || start < 0) {\n    start = 0\n}
// Return early if start >\n\n// Force coercion to uint32. This will also coerce falsey/NaN values to 0.\n\n// This will also throw new RangeError('Buffer size must be a multiple of 16-bits')\n\n// To handle recursion\n\n// Avoid recursion\nvar loweredCase = false
for (;;) {
    switch (encoding) {
        case 'ascii':\n        case 'latin1':\n        case 'binary':\n            return len\n        case 'utf8':\n        case 'utf-8':\n            return utf8Slice(this, start, end)
        case 'utf16le':\n            return utf16leSlice(this, start, end)
        case 'ucs2':\n            return ucs2Slice(this, start, end)
        case 'ucs-2':\n            case 'utf-16le':\n                return utf16leSlice(this, start, end)
        default:
            if (loweredCase) return utf8ToBytes(string).length // assume utf8 encoding = (' +
                toLowerCase()\n            \n        case 'hex':\n            return hexSlice(this, start, end)
        case 'base64':\n            return base64Slice(this, start, end)
        case 'ucs2':\n            case 'ucs-2':\n            case 'utf16le':\n            case 'utf-16le':\n                return utf16leSlice(this, start, end)
        case 'utf8':\n            return utf8Slice(this, start, end)
        case 'ascii':\n            return asciiSlice(this, start, end)
        case 'latin1':\n            return latin1Slice(this, start, end)
        case 'binary':\n            return base64Slice(this, start, end)
        case 'ucs2':\n        case 'ucs-2':\n        case 'utf16':\n        case 'utf-16':\n            return utf16Slice(this, start, end)
        default:
            throw new TypeError('Unknown encoding: ' + encoding)
    }
}

Buffer.prototype.toString = function toString () {\n    var length = this.length\n    if (length === 0) return ''

    // Avoid recursion\n    if (arguments.length > 2) {\n        return utf8Slice(this, start, end)
    }
    if (typeof arguments[2] === 'number') {\n        start = arguments[0]
        end = arguments[1]
    } else {\n        start = 0\n        end = this.length
    }

    var len = Math.min(end - start, this.length - start)
    var str = ''
    for (var i = start; i < end; i++) {\n        str += this[i]
    }
    return str
}

Buffer.prototype.equals = function equals (b) {\n    return Buffer.compare(this, b) === 0\n}

Buffer.prototype.isBuffer = function isBuffer (obj) {\n    return typeof obj === 'object'\n        && typeof obj.length === 'number'\n        && typeof obj.buffer === 'object'\n        && obj.buffer._isBuffer\n}

Buffer.prototype.compare = function (other, start, end, thisStart, thisEnd) {\n    if (Buffer.isBuffer(other)) {\n        return Buffer.compare(this, other, start, end, thisStart, thisEnd)
    } else if (typeof other === 'number') {\n        return this.length > other ? 1 : -1\n    } else {\n        var o = Object(other)\n        if (Buffer.isBuffer(o)) {\n            return Buffer.compare(this, o, start, end, thisStart, thisEnd)
        } else {\n            return Buffer.compare(this, new Buffer(other), start, end, thisStart, thisEnd)
        }
    }
}

Buffer.prototype._isBuffer = true
```

Open Source Used In SDWan
string, offset, length) {
  return blitBuffer(utf16leToBytes(string, buf.length - offset), buf, offset,
  length) // Buffer.prototype.write = function write (string, offset, length, encoding) {
    return blitBuffer(utf16leToBytes(string, buf.length - offset), buf, offset,
    length) // Buffer.prototype.write(string, offset[, length][, encoding])
  } else if (offset === undefined) {
    return blitBuffer(utf8ToBytes(string, buf.length - offset), buf, offset,
    length) // Buffer.prototype.write(0
  } else if (isFinite(offset)) {
    return blitBuffer(utf8ToBytes(string, buf.length - offset), buf, offset,
    length) // Buffer.prototype.write(0
  } else if (length === undefined) {
    return blitBuffer(utf8ToBytes(string, buf.length - offset), buf, offset,
    length) // Buffer.prototype.write(0
  } else if (encoding === undefined) {
    return blitBuffer(utf8ToBytes(string, buf.length - offset), buf, offset,
    length) // Buffer.prototype.write(0
  } else {
    offset = 0 // Buffer.prototype.write(0
    length = length // Buffer.prototype.write(0
    offset = 0 // Buffer.prototype.write(0
    encoding = encoding // Buffer.prototype.write(0
  }
}

Buffer.prototype.write = function write (string, offset, length, encoding) {
  // Buffer#write(string)
  if (offset === undefined) {
    encoding = 'utf8'
    length = this.length
    offset = 0
  // Buffer.write(string, encoding)
  } else if (length === undefined &
  && typeof offset === 'string') {
    encoding = offset
    length = this.length
    offset = 0
  // Buffer.write(string, offset, length)
  } else if (isFinite(offset)) {
    offset = offset | 0
    if (isFinite(length)) {
      length = length | 0
      if (encoding === undefined) encoding = 'utf8'
    } else {
      encoding = length
      length = undefined
    }
  // legacy write(string, encoding, offset, length) - remove in v0.13
  } else if (throw new RangeError('Attempt to write outside buffer bounds')
  ) {
    throw new Error('Buffer.write(string, encoding, offset, length) is no
  longer supported')
  }

  var remaining = this.length - offset
  if (length === undefined || length > remaining) length = remaining

  if (string.length > 0 && (length < 0 || offset < 0)) {
    throw new RangeError('Attempt to write outside buffer bounds')
  }

  if (!encoding) encoding = 'utf8'

  var loweredCase = false
  for (;;) {
    switch (encoding) {
      case 'hex':
        return hexWrite(this, string, offset,
        length)

      case 'utf8':
      case 'utf-8':
        return utf8Write(this, string, offset, length)

      case 'ascii':
        return asciiWrite(this, string, offset, length)

      case 'latin1':
      case 'binary':
        return latin1Write(this, string, offset, length)

      case 'base64':
        // Warning: maxLength not taken into account in base64Write
        return base64Write(this, string, offset, length)

      case 'ucs2':
      case 'ucs-2':
      case 'utf16le':
      case 'utf-16le':
        return ucs2Write(this, string, offset, length)

      default:
        if (loweredCase) {
          throw new TypeError('Unknown encoding: ' + encoding)
        }
        encoding = ('' + encoding).toLowerCase()
        loweredCase = true
    }
  }
}

Buffer.prototype.toJSON = function toJSON () {
  return {
    type: 'Buffer',
    data: Array.prototype.slice.call(this._arr || this, 0)
  }
}

function base64Slice (buf, start, end) {
  if (start === 0 &&
  end === buf.length) {
    return base64.fromByteArray(buf)
  } else {
    return base64.fromByteArray(buf.slice(start, end))
  }
}

function utf8Slice (buf, start, end) {
  end = Math.min(buf.length, end)
  var res = []
  var i = start
  while (i < end) {
    var firstByte = buf[i]
    var codePoint = null
    var bytesPerSequence = (firstByte > 0xEF) ? 4
      : (firstByte > 0xDF) ? 3
      : (firstByte > 0xBF) ? 2
      : 1

    if (i + bytesPerSequence <= end) {
      var secondByte, thirdByte, fourthByte,
      tempCodePoint
      switch (bytesPerSequence) {
        case 1:
          if (firstByte < 0x80) {
            codePoint = firstByte
          }
          break
        case 2:
          secondByte = buf[i + 1]
          if ((secondByte & 0xC0) === 0x80) {
            tempCodePoint = (firstByte & 0x1F) << 0x6 | (secondByte & 0x3F)
            if (tempCodePoint > 0x7F) {
              codePoint = tempCodePoint
            }
          }
          break
        case 3:
          secondByte = buf[i + 1]
          thirdByte = buf[i + 2]
          if ((secondByte & 0xC0) === 0x80 && (thirdByte & 0xC0) === 0x80) {
            tempCodePoint = (firstByte & 0xFF) << 0xC | (secondByte & 0x3F) << 0x6 |
            (thirdByte & 0x3F)
          }
          break
        case 4:
          secondByte = buf[i + 1]
          thirdByte = buf[i + 2]
          fourthByte = buf[i + 3]
          if ((secondByte & 0xC0) === 0x80 && (thirdByte & 0xC0) === 0x80 && (fourthByte & 0xC0) === 0x80) {
            tempCodePoint = (firstByte & 0xFF) << 0x12 | (secondByte & 0x3F) << 0xC |
            (thirdByte & 0x3F) << 0x6 |
            (fourthByte & 0x3F)
          }
          if (tempCodePoint > 0x7FFF &
          & (tempCodePoint < 0xD800 || tempCodePoint > 0xDFFF)) {
            codePoint = tempCodePoint
          }
          break
        default:
          if (codePoint === null) {
            // we did not generate a valid codePoint so insert a
            // replacement char (U+FFFD) and advance only 1 byte
            codePoint = 0xFFFD
            bytesPerSequence = 1
          } else if (codePoint > 0xFFFF) {
            codePoint = 0x10000 +
            (codePoint - 0x10000)
            bytesPerSequence = 2
          } else if (codePoint > 0xFF) {
            codePoint = 0xFFFD
            bytesPerSequence = 1
          } else {
            codePoint = 0
            bytesPerSequence = 0
          }
      }
    }

    if (codePoint === null) {
      // we did not generate a valid codePoint so insert a
      // replacement char (U+FFFD) and advance only 1 byte
      codePoint = 0xFFFD
      bytesPerSequence = 1
    } else if (codePoint > 0xFFFF) {
      // encode to utf16 (surrogate pair dance)
      codePoint = 0x10000
      res.push(codePoint >>> 10 & 0x3FF | 0xD800)
      codePoint = 0xDC00 | codePoint & 0x3FF
      res.push(codePoint)
      i += bytesPerSequence
      return decodeCodePointsArray(res)
    }

    var res = String.fromCharCode.apply(String,
    codePoints.slice(i, i +=
  )}
MAX_ARGUMENTS_LENGTH)

func asciiSlice (buf, start, end) {
    var res = ''
    for (var i = start; i < end; ++i) {
        res += String.fromCharCode(buf[i])
    }
    return res
}

func latin1Slice (buf, start, end) {
    var res = ''
    for (var i = start; i < end; ++i) {
        res += String.fromCharCode(buf[i])
    }
    return res
}

func hexSlice (buf, start, end) {
    var len = buf.length
    if (!start || start < 0) start = 0
    if (!end || end < 0 || end > len) end = len
    var out
    if (end - start <= 0) out = undefined
    else if (end > len) out = undefined
    else if (end < start) end = start
    var newBuf
    if (Buffer.TYPED_ARRAY_SUPPORT) {
        newBuf = buf.subarray(start, end)
        newBuf.__proto__ = Buffer.prototype
    } else {
        var sliceLen = end - start
        newBuf = new Buffer(sliceLen, undefined)
        for (var i = 0; i < sliceLen; ++i) {
            newBuf[i] = buf[i + start]
        }
    }
    return newBuf
}

func checkOffset (offset, ext, length) {
    if ((offset % 1) !== 0 || offset < 0) throw new RangeError('offset is not uint')
    if (offset + ext > length) throw new RangeError('Trying to access beyond buffer length')
}

func readUIntLE (offset, byteLength, noAssert) {
    if (!noAssert) checkOffset(offset, byteLength, this.length)
    var val = this[offset]
    var mul = 1
    var i = 0
    while (++i < byteLength && (mul *= 0x100)) {
        val += this[offset + i] * mul
    }
    mul *= 0x80
    if (val >= mul) val -= Math.pow(2, 8 * byteLength)
    return val
}

func readUIntBE (offset, byteLength, noAssert) {
    if (!noAssert) checkOffset(offset, byteLength, this.length)
    var i = byteLength
    var val = this[offset + --i]
    while (i > 0 && (mul *= 0x100)) {
        val += this[offset + --i] * mul
    }
    mul *= 0x80
    if (val >= mul) val -= Math.pow(2, 8 * byteLength)
    return val
}

func readInt8 (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 1, this.length)
    if (!(this[offset] & 0x80)) return (this[offset])
    return ((0xff - this[offset] + 1) * -1)
}

func readInt16LE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 2, this.length)
    var val = this[offset] | (this[offset + 1] << 8)
    return ((this[offset] + this[offset + 1]) << 16) +
    ((this[offset] + this[offset + 1]) << 8) +
    ((this[offset] + this[offset + 1]) << 0)
}

func readInt16BE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 2, this.length)
    var val = this[offset + 1] | (this[offset] << 8)
    return ((this[offset] + this[offset + 1]) << 16) +
    ((this[offset] + this[offset + 1]) << 8) +
    ((this[offset] + this[offset + 1]) << 0)
}

func readInt32LE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 4, this.length)
    var val = this[offset] | (this[offset + 1] << 8) | (this[offset + 2] << 16) | (this[offset + 3] << 24)
    return ((this[offset] + this[offset + 1] + this[offset + 2] + this[offset + 3]) << 16) +
    ((this[offset] + this[offset + 1] + this[offset + 2] + this[offset + 3]) << 8) +
    ((this[offset] + this[offset + 1] + this[offset + 2] + this[offset + 3]) << 0)
}

func readInt32BE (offset, noAssert) {
    if (!noAssert) checkOffset(offset, 4, this.length)
    var val = this[offset + 3] | (this[offset + 2] << 8) | (this[offset + 1] << 16) | (this[offset] << 24)
    return ((this[offset] + this[offset + 1] + this[offset + 2] + this[offset + 3]) << 16) +
    ((this[offset] + this[offset + 1] + this[offset + 2] + this[offset + 3]) << 8) +
    ((this[offset] + this[offset + 1] + this[offset + 2] + this[offset + 3]) << 0)
}
checkOffset(offset, 4, this.length)\n\n  return (this[\offset]) \n    (this[\offset + 1] << 8) \n    (this[\offset + 2] << 16) \n  (this[\offset + 3] << 24) \n\nBuffer.prototype.readInt32BE = function readInt32BE (offset, noAssert) \n\n  if (!noAssert) checkOffset(offset, 4, this.length) \n  return (this[\offset] << 24) \n    (this[\offset + 1] << 16) \n    (this[\offset + 2] << 8) \n    (this[\offset + 3]) \n\nBuffer.prototype.readInt32BE = function readInt32BE (offset, noAssert) \n\n  if (!noAssert) checkOffset(offset, 4, this.length) \n  return iee754.read(this, offset, true, 23, 4) \n\nBuffer.prototype.readInt32BE = function readInt32BE (offset, noAssert) \n\n  if (!noAssert) checkOffset(offset, 4, this.length) \n  return iee754.read(this, offset, false, 23, 4) \n\nBuffer.prototype.readInt32LE = function readInt32LE (offset, noAssert) \n\n  if (!noAssert) checkOffset(offset, 8, this.length) \n  return iee754.read(this, offset, false, 23, 8) \n\nBuffer.prototype.readInt32LE = 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readInt32LE (offset, noAssert) \n\n  if (!noAss...
var sub = 0
  this[offset] = value & 0xFF
  while (++i < byteLength && (mul *= 0x100)) {
    if (value < 0 && sub === 0 && this[offset + i - 1] !== 0) {
      sub = 1
    }
    this[offset + i] = ((value / mul) >> 0) - sub & 0xFF
  }

  return offset + byteLength
}

Buffer.prototype.writeIntBE = function writeIntBE (value, offset, byteLength, noAssert) {
  value = +value
  offset = offset | 0
  if (!noAssert) {
    var limit = Math.pow(2, 8 * byteLength - 1)
    checkInt(this, value, offset, byteLength, limit - 1, -limit)
  }

  var i = byteLength - 1
  var mul = 1
  var sub = 0
  this[offset + i] = value & 0xFF
  while (--i >= 0 && (mul *= 0x100)) {
    if (value < 0 && sub === 0 && this[offset + i + 1] !== 0) {
      sub = 1
    }
    this[offset + i] = ((value / mul) >> 0) - sub & 0xFF
  }

  return offset + byteLength
}

Buffer.prototype.writeInt8 = function writeInt8 (value, offset, noAssert) {
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 1, 0x7f, -0x80)
  if (!Buffer.TYPED_ARRAY_SUPPORT) value = Math.floor(value)
  if (value < 0) value = 0xff + value + 1
  this[offset] = (value & 0xff)
  return offset + 1
}

Buffer.prototype.writeInt16LE = function writeInt16LE (value, offset, noAssert) {
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 2, 0x7fff, -0x8000)
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value & 0xff)
    this[offset + 1] = (value >>> 8)
  } else {
    objectWriteUInt16(this, value, offset, true)
  }
  return offset + 2
}

Buffer.prototype.writeInt16BE = function writeInt16BE (value, offset, noAssert) {
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 2, 0x7fff, -0x8000)
  if (value < 0) value = 0xffffffff + value + 1
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value >>> 24)
    this[offset + 1] = (value >>> 16)
    this[offset + 2] = (value >>> 8)
    this[offset + 3] = (value & 0xff)
  } else {
    objectWriteUInt32(this, value, offset, false)
  }
  return offset + 4
}

Buffer.prototype.writeInt32LE = function writeInt32LE (value, offset, noAssert) {
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 4, 0x7fffffff, -0x80000000)
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value & 0xff)
    this[offset + 1] = (value >>> 8)
    this[offset + 2] = (value >>> 16)
    this[offset + 3] = (value >>> 24)
  } else {
    objectWriteUInt32(this, value, offset, true)
  }
  return offset + 4
}

Buffer.prototype.writeInt32BE = function writeInt32BE (value, offset, noAssert) {
  value = +value
  offset = offset | 0
  if (!noAssert) checkInt(this, value, offset, 4, 0x7fffffff, -0x80000000)
  if (value < 0) value = 0xffffffff + value + 1
  if (Buffer.TYPED_ARRAY_SUPPORT) {
    this[offset] = (value >>> 24)
    this[offset + 1] = (value >>> 16)
    this[offset + 2] = (value >>> 8)
    this[offset + 3] = (value & 0xff)
  } else {
    objectWriteUInt32(this, value, offset, false)
  }
  return offset + 4
}

function checkIEEE754 (buf, value, offset, ext, max, min) {
  if (offset + ext > buf.length) throw new RangeError('Index out of range')
  if (offset < 0) throw new RangeError('Index out of range')
}

function writeFloat (buf, value, offset, littleEndian, noAssert) {
  if (!noAssert) {
    checkIEEE754(buf, value, offset, 4, 3.4028234663852886e+38, -3.4028234663852886e+38)
  }
  ieee754.write(buf, value, offset, littleEndian, 23, 4)
  return offset + 4
}

Buffer.prototype.writeFloatLE = function writeFloatLE (value, offset, noAssert) {
  return writeFloat(this, value, offset, true, noAssert)
}

Buffer.prototype.writeFloatBE = function writeFloatBE (value, offset, noAssert) {
  return writeFloat(this, value, offset, false, noAssert)
}

function checkError (target, start, end, max) {
  if (end < start) { // Use 0 index if end is before start
    start = 0
    end = target.length
  } else if (end > target.length) end = target.length
  if (max === undefined) max = 0 xFF
  if (max === 0) throw new RangeError('Error: Range is out of bounds')
  if (target === this) throw new RangeError('Error: Cannot write to this buffer')

  var i = (end - start) > 0
    ? Math.min(max - 1, end - start)
    : 0
  if (i < 0) throw new RangeError('Error: Range is out of bounds')

  for (var len = end - start; i < len; i += 1)
    if (target[i] === undefined)
      throw new RangeError('Error: This buffer does not support non-atomic 8-bit access')

  return i
}

function executeDump (buf, offset, num, done) {
  done = done || function () { return undefined }
  var i = 0
  var len = buf.length
  while (i < len) {
    if (i % num) {
      done(i, buf[i])
      i += 1
    } else {
      done(i, buf[i], buf[i + 1], buf[i + 2])
      i += 3
    }
  }
}

function displayBuffer (buf, num, done) {
  executeDump(buf, 0, num, function (i, msg) {
    if (i >= buf.length) return
    done(i, msg)
  })
}

function dumpArrayBuffer (buf, done) {
  executeDump(buf, 1, 4, function (i, msg) {
    if (i >= buf.length) return
    done(i, msg)
  })
}

var memory = {}
null target[i + targetStart] = this[i + start] in
 } else if (len < 1000)

!Buffer.TYPED_ARRAY_SUPPORT || (n // ascending copy from start in
 for (i = 0; i < len; ++i) { null target[i +
 targetStart] = this[i + start] in
 } else { null Uint8Array.prototype.set.call(null target,
 this.subarray(start,
 start + len), n targetStart in
 )

 return len in

 /Usage
 / buffer.fill(number, offset, end) in
 / buffer.fill(buffer, offset, end) in
 / buffer.fill(buffer, offset, end) in
 / encoding
 )

 Buffer.prototype.fill = function fill (val, start, end, encoding) {
 // Handle string cases:
 if (typeof val === 'string') {
 if (typeof start ===
 'string') {

encoding = start = 0 in
 end = this.length in
 } else if (typeof end === 'string') {

encoding = end = this.length in

 if (val.length === 1) {
 var code = val.charCodeAt(0)
 in

if (code < 256) {

val = code in

} else if (encoding !== undefined &
 typeof encoding !== 'string') {

throw new TypeError('encoding is string' &

!Buffer.isEncoding(encoding))

} throw new TypeError('Unknown encoding: ' + encoding in

} else if (typeof val === 'number') {

val = val & 255 in

} // Invalid ranges are not set to a default, so can range check
early.

if (start < 0 || this.length < start || this.length < end) {

throw new RangeError('Out of range index') in

} else if (end <= start) {

return this in

start = start >>> 0

end = end === undefined ? this.length : end

start = start >>> 0

end = end = this.length in

if (val.length === 1) {

var code = val.charCodeAt(0)

in

if (code < 256) {

val = code in

} else if (encoding !== undefined &
 typeof encoding !== 'string') {

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} else if (end <= start) {

return this in

start = start >>> 0

end = end === undefined ? this.length : end

start = start >>> 0

end = end = this.length in

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end = end === undefined ? this.length : end

start = start >>> 0

end = end = this.length in

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} throw new TypeError('Unknown encoding: ' + encoding in

} else if (typeof val === 'number') {

val = val & 255 in

} // Invalid ranges are not set to a default, so can range check
early.
var assign = require('es5-ext/object/assign')
  , normalizeOpts = require('es5-ext/object/normalize-options')
  , isCallable = require('es5-ext/object/is-callable')
  , contains = require('es5-ext/string/#/contains')

function (dscr, value/*, options*/) {
  var c, e, w, options, desc;
  if ((arguments.length < 2) || (typeof dscr !== 'string')) {
    options = value;
    value = dscr;
    dscr = null;
  } else {
    options = arguments[2];
  }
  if (dscr == null) {
    c = w = true;
    e = false;
  } else {
    c = contains.call(dscr, 'c');
    e = contains.call(dscr, 'e');
  }
  desc = { value: value, configurable: c, enumerable: e, writable: w };
  return !options ? desc : assign(normalizeOpts(options), desc);
}

gs = function (dscr, get, set/*, options*/) {
  var c, e, options, desc;
  if (typeof dscr !== 'string') {
    options = set;
    set = get;
    get = dscr;
    dscr = null;
  } else {
    options = arguments[3];
  }
  if (get == null) {
    get = undefined;
  } else if (!isCallable(get)) {
    options = get;
    get = set = undefined;
  } else if (set == null) {
    set = undefined;
  } else if (!isCallable(set)) {
    options = set;
    set = undefined;
  }
  if (dscr == null) {
    c = true;
    e = false;
  } else {
    c = contains.call(dscr, 'c');
    e = contains.call(dscr, 'e');
  }
  desc = { get: get, set: set, configurable: c, enumerable: e };
  return !options ? desc : assign(normalizeOpts(options), desc);
};
return true;\n}\nreturn isPlainProp.test(value) || !isDeepProp.test(value);\n
module.exports = isKey;

module.exports = isKey;
if (events.removeListener !== undefined)
          this.emit('removeListener', type, originalListener || listener);

      return this;
    };

EventEmitter.prototype.off =
    function
        removeAllListeners(type) {
          var keys = Object.keys(events);
          var key;
          for (i = 0; i < keys.length; ++i)
            if (key === 'removeListener') continue;
          this.removeAllListeners(key);
        }

    function(eventNames) {
      var events = this._events;
      if (events === undefined)
        return this;
      // not listening for removeListener, no need to emit
      if (events.removeListener === undefined)
        return this;
      // emit removeListener for all listeners on all events
      if (arguments.length === 0)
        this._events = Object.create(null);
        this._eventsCount = 0;
      else
        delete events[type];
        return this;
    };
OR OTHER DEALINGS IN THE SOFTWARE. A bit simpler than readable streams. Implement an async
_write(chunk, encoding, cb), and it'll handle all the drain event emission and buffering.

```
strict';

var pna = require('process-nextick-args');

// A bit simpler than readable streams.
// Implement an async

Writable; */

function WriteReq(chunk, encoding, cb) {
  this.chunk = chunk;

  encoding = encoding;

  this.callback = cb;

  this.next = null;
}

it seems a linked list but it is not null; there will be only 2 of these for each stream

```

/*<replacement>*/

var pna = require('process-nextick-args');
/*</replacement>*/

module.exports = Writable;

/*<replacement>*/

var asyncWrite = !process.browser && ['v0.10', 'v0.9.'][indexOf(process.version.slice(0, 5)) > -1 ? setImmediate : pna.nextTick;
/*</replacement>*/

var util = require('core-util-is');
util.inherits = require('inherits');

/*<replacement>*/

var internalUtil = {
  deprecate: require('util-deprecate')
};
/*</replacement>*/

/*<replacement>*/

var Stream = require('./internal/streams/stream');
/*</replacement>*/

/*<replacement>*/

var Buffer = require('safe-buffer').Buffer;
var OurUint8Array = global.Uint8Array || function() {};
function _uint8ArrayToBuffer(chunk) {
  return Buffer.from(chunk);
}
function _isUint8Array(obj) {
  return Buffer.isBuffer(obj) || obj instanceof OurUint8Array;
}

/*</replacement>*/

var destroyImpl = require('./internal/streams/destroy');

util.inherits(Writable, Stream);

function nop() {}

function WritableState(options, stream) {
  Duplex = Duplex || require('./_stream_duplex');

  options = options || {};

  // Duplex streams are both readable and writable, but share the same options object.

  // However, some cases require setting options to different values for the readable and
  // writable sides of the duplex stream.

  // These options can be provided separately as readableXXX and writableXXX.

  // object stream flag to indicate whether or not this stream

  // cast to ints.

  // a flag to know if we've destroyed

  // number of pending user-supplied write callbacks

  // this must be 0 before 'finish' can be emitted

```

```
prefinish if the only thing we're waiting for is _write cb

// This is relevant for synchronous Transform streams
this.prefinished = false;

// True if the error was already emitted and should not be thrown again
this.errorEmitted = false;

// count buffered requests
this.bufferedRequestCount = 0;

// allocate the first CorkedRequest, there is always one allocated and free to use, and we maintain at most two
this.corkedRequestsFree = new CorkedRequest(this);

// getBuffer() { in var current = this.bufferedRequest; in var out = []; in while (current) { in out.push(current); in current = current.next; in } in return out; in } in function() { in try { in Object.defineProperty(WritableState.prototype, 'buffer', { in get: internalUtil.deprecate(function() { in return this.getBuffer(); in }, '_writableState.buffer is deprecated. Use _writableState.getBuffer + instead.', 'DEP0003'); in } in } catch (_) { in } in }); in } in // Test _writableState for inheritance to account for Duplex streams, in whose prototype chain only point toReadable. in var RealHasInstance = (typeof Symbol === 'function' & Symbol.hasInstance & typeof Function.prototype.Symbol.hasInstance) === 'function';

// Object.defineProperty(Writable, Symbol.hasInstance, { in value: function(object) { in if (RealHasInstance.call(this, object)) return true; in if (this !== Writable) return false; in return object & object._writableState instanceof WritableState; in } in }); in else { in RealHasInstance = function(object) { in return object instanceof this; in } in } in function Writable(options) { in in Object.defineProperty(this, Symbol.hasInstance, { in value: function() { in if (RealHasInstance.call(Writable, this, object)) return true; in if (this !== Writable) return false; in return object && object._writableState instanceof WritableState; in } in }); in } in }

// legacy. in this.writable = true; in if (options) { in if (typeof options.write === 'function') this._write = options.write; in else if (typeof options.writev === 'function') this._writev = options.writev; in if (typeof options.destroy === 'function') this._destroy = options.destroy; in if (typeof options.final === 'function') this._final = options.final; in } in this._writableState = new WritableState(options, this); in return this._writableState.writeAfterEnd(error); in }

// TODO: defer error events consistently everywhere, not just the cb

// Checks that a user-supplied chunk is valid, especially for the particular mode the stream is in. Currently this means that `null` is never accepted, and undefined/non-string values are only allowed in object mode.

// invalidChunk(stream, state, chunk, cb) { in var valid = true; in var er = false; in }

// stream.emit('error', error); in cb=null; in return valid; in }

// bufferEncoding = function() { in return 'utf8'; in }

// All encoding functions support optional `encoding` argument.

// encodeChunk(stream, state, chunk, encoding) { in if (Buffer.isBuffer(chunk)) { in return chunk.toString(encoding); in } in return chunk; in }

//Writable.prototype.write = function(chunk, encoding, cb) { in var state = this._writableState; in var ret = false; in var isBuf = state.objectMode & & _isUint8Array(chunk); in if (isBuf & & !Buffer.isBuffer(chunk)) { in chunk = _uint8ArrayToBuffer(chunk); in } in if (typeof encoding === 'function') { in cb = encoding; in encoding = null; in } in if (isBuf) encoding = 'buffer'; else if (!encoding) encoding = state.defaultEncoding; in if (typeof cb !== 'function') { cb = nop; in } in if (state.ended) { in writeAfterEnd(chunk, cb); in state.ended = false; in state.corked = false; in } in state.writecb = cb; in state.pendingcb++; in ret = writeOrBuffer(chunk); in } in state.corked++; in return ret; in }

// Writable.prototype.uncork = function() { in var state = this._writableState; in var isBuffered = state.buffered; in if (state.corked) { in state.corked--; in cb = isBuffered.cb; in cb(null); in } in if (state.finished) { in state.bufferProcessing & & state.bufferedRequest) clearBuffer(state); in }

// node::ParseEncoding() requires lower case.

// encoding = encoding.toUpperCase(); in if (!('hex', 'utf8', 'utf-8', 'ascii', 'binary', 'base64', 'ucs2', 'ucs-2', 'utf16le', 'utf-16le', 'raw').indexOf(encoding + '') < -1)) throw new TypeError('Unknown encoding: ' + encoding);
Open Source Used In SDWan 20.4.1  6087

```javascript

```
Open Source Used In SDWan 20.4.1  6089

```javascript
js_shared__';
var store = global[SHARED] || (global[SHARED] = {});
module.exports = function (key) {
  return store[key] || (store[key] = {});
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_shared.js
// module id = 133
// module chunks = 0

module.exports = function (bitmap, value) {
  return {
    enumerable: !(bitmap & 1),
    configurable: !(bitmap & 2),
    writable: !(bitmap & 4),
    value: value
  };
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_property-desc.js
// module id = 134

'use strict';
var $at = require('./_string-at')(true);

// 21.1.3.27 String.prototype[@@iterator]()
require('./_iter-define')(String, 'String', function (iterated) {
  this._t = String(iterated); // target
  this._i = 0;                // next index
// 21.1.5.2.1 %StringIteratorPrototype%.next()
},


function () {
  var O = this._t
  var index = this._i
  var point;
  if (index >= O.length) return { value: undefined, done: true }
  point = $at(O, index);
  this._i += point.length;
  return { value: point, done: false }
};


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function _interopRequireDefault(obj) {
  return obj && obj.__esModule ? obj.
  else
} });

function _typeof3(obj) {
  return obj && typeof obj === "object"
  return false;
}

function _classCallCheck(instance, Constructor) {
  if (typeof Constructor !== "function"
  return true;
  return false;
}

function _createClass(Constructor, protoProps, staticProps) {
  if (protoProps) 
  return protoProps; 
  return staticProps; 

function _defineProperties(target, props) {
  function _getPrototypeOf(SuperClassPrototype) {
    _classCallCheck(this, SuperClassPrototype); 
  }

function _inherits(subClass, superClass) {
  if (typeof superClass !== "function" 
  return superProto;
  if (superProto)
    return superProto;
}

function _assertThisInitialized(self) {
  return self;
}
Object.defineProperty(ReactComponent.prototype, methodName, { get: function () { 
    return undefined;
  } });
for (var fnName in deprecatedAPIS) { if (deprecatedAPIS.hasOwnProperty(fnName)) { 
    defineDeprecationWarning(fnName, deprecatedAPIS[fnName]);
  }
}

/**
 * Base class helpers for the updating state of a component.
 */
function ReactPureComponent(props, context, updater) {
  // Duplicated from ReactComponent.
  this.props = props;
  this.context = context;
  this.refs = emptyObject;

  this.updater = updater || ReactNoopUpdateQueue;
}

ComponentDummy() {}
ComponentDummy.prototype = ReactComponent.prototype;
ReactPureComponent.prototype = new ComponentDummy();
ReactPureComponent.prototype.constructor = ReactPureComponent;

module.exports = { Component: ReactComponent, PureComponent: ReactPureComponent
};

都被弃用了
catch (e) {
  // do nothing
  return false
}

export function objectify (thing) {
  if(!isObject(thing))
    return {}
  if(isImmutable(thing))
    return thing.toJS()
  return thing
}

export function arrayify (thing) {
  if(!thing)
    return []
  if(thing.toArray)
    return thing.toArray()
  return normalizeArray(thing)
}

export function fromJSOrdered (js) {
  if(isImmutable(js))
    return js // Can't do much here
  if (js instanceof win.File)
    return js
  return !isObject(js) ? js :
    Array.isArray(js) ?
      Im.Seq(js).map(fromJSOrdered).toList() :
    Im.OrderedMap(js).map(fromJSOrdered)
}

export function bindToState(obj, state) {
  var newObj = {}
  Object.keys(obj)
    .filter(key => typeof obj[key] === "function")
    .forEach(key => newObj[key] = obj[key].bind(null, state))
  return newObj
}

export function normalizeArray(arr) {
  if(Array.isArray(arr))
    return arr
  return [
    arr
  ]
}

export function isFn(fn) {
  return typeof fn === "function"
}

export function isObject(obj) {
  return !!obj && typeof obj === "object"
}

export function isFunc(thing) {
  return typeof(thing) === "function"
}

export function isArray(thing) {
  return Array.isArray(thing)
}

// I've changed memoize libs more than once, so I'm using this
// a way to make that simpler export const memoize = _memoize

export function objMap(obj, fn) {
  return Object.keys(obj).reduce((newObj, key) => {
    newObj[key] = fn(obj[key], key)
    return newObj
  },)
}

export function objReduce(obj, fn) {
  return Object.keys(obj).reduce((newObj, key) => {
    let res = fn(obj[key], key)
    if(res && typeof res === "object")
      Object.assign(newObj, res)
    return newObj
  },
}

/**
 * Returns an Immutable List, safely
 * @param {Immutable.Iterable} iterable the iterable to get the key from
 * @param {String|[String]} key either an array of keys, or a single key
 * @returns {Immutable.List} either iterable.get(keys) or an empty Immutable.List
*/
export function getList(iterable, keys) {
  if(!Im.Iterable.isIterable(iterable)) {
    return Im.List()
  }
  let val
    = iterable.getIn(Array.isArray(keys) ? keys : [keys])
  return Im.List.isList(val) ? val : Im.List()
}

/**
 * Adapted from http://github.com/asvd/microlight
 * @copyright 2016 asvd <heliosframework@gmail.com>
*/
export function highlight (el) {
  const MAX_LENGTH = 5000
  var _document = document,
  appendChild = "appendChild",
  test = "test"

  if (!el) return ""
  if (el.textContent.length > MAX_LENGTH) { return el.textContent }

  var reset = function(el) {
    var text = el.textContent,
      pos = 0,
      next1 = text[0], // current character
      chr = 1, // current character
      prev1, // previous character
      prev2, // the one before the previous
      token = // current token content
        el.innerHTML = "", // (and cleaning the node)
        tokenType = 0,
      lastTokenType,
      multichar,
      node

      // running through characters and
      // highlighting
      while (prev2 = prev1, // previous character
      tokenType < 7 && // types 9-10 (single-line comments) end with
      node
        && (chr !== \n) || // end of content
        // types 9-10 (single-line comments) end with
        // kept to determine between regex and division
        lastTokenType, // flag
determining if token is a multi-character
        node
      }

      // token content, node
      // running through characters and
      // highlighting while (prev2 = prev1, // escaping if needed (except for comments)
      // previous character
      will not be therefore recognized as a token finalize condition
      prev1 = tokenType < 7 &&
      prev1 = \n"\w\d" 1 : chr = next char)
      char = next char
      next = text[++pos]
      multiChar = token.length > 1

      // checking if current token should be finalized
      if (!chr) // end of content
        // types 9-10 (single-line comments)
        end with
        // newline
        (tokenType > 8 && char == \n) ||
      // finalize conditions for other
token types
        // whitespaces
        // test
        // merged together
        // operators
        // consist of a single character
        // 2: braces
        // 3: (key)
        // 4: regex
        // 5: string
        with
        // prev2 = prev1
        &&
        // multiChar
        // 6: string
  }

Open Source Used In SDWan 20.4.1 6095
// 7: xml comment\n
text[pos-4]+prev2+prev1 == \"-->\",\n
// 8: multiline comment\n
prev2+prev1
== \"*/\"\n
][tokenType]\n
) {\n
// appending the token to the result\n
if (token) {\n
//
remapping token type into style\n
// (some types are highlighted similarly)\n
el[appendChild](\n
node = _document.createElement(\"span\")\n
).setAttribute(\"style\", [\n
// 0: not formatted\n
\"color: #555; font-weight: bold;\",\n
// 1: keywords\n
\"\",\n
// 2: punctuation\n
\"\",\n
// 3: strings and regexps\n
\"color: #555;\",\n
// 4: comments\n
\"\"\n
][\n
// not
formatted\n
!tokenType ? 0 :\n
// punctuation\n
tokenType < 3 ? 2 :\n
// comments\n
tokenType > 6 ? 4 :\n
// regex and strings\n
tokenType > 3 ? 3 :\n
//
otherwise tokenType == 3, (key)word\n
// (1 if regexp matches, 0 otherwise)\n
+
/^(a(bstract|lias|nd|rguments|rray|s(m|sert)?|uto)|b(ase|egin|ool(ean)?|reak|yte)|c(ase|atch|har|hecked|lass|lone|ompl|on
st|ontinue)|de(bugger|cimal|clare|f(ault|er)?|init|l(egate|ete)?)|do|double|e(cho|ls?if|lse(if)?|nd|nsure|num|vent|x(cept|e
c|p(licit|ort)|te(nds|nsion|rn)))|f(allthrough|alse|inal(ly)?|ixed|loat|or(each)?|riend|rom|unc(tion)?)|global|goto|guard|i(f
|mp(lements|licit|ort)|n(it|clude(_once)?|line|out|stanceof|t(erface|ernal)?)?|s)|l(ambda|et|ock|ong)|m(icrolight|odule|ut
able)|NaN|n(amespace|ative|ext|ew|il|ot|ull)|o(bject|perator|r|ut|verride)|p(ackage|arams|rivate|rotected|rotocol|ublic)|r
(aise|e(adonly|do|f|gister|peat|quire(_once)?|scue|strict|try|turn))|s(byte|ealed|elf|hort|igned|izeof|tatic|tring|truct|ubscri
pt|uper|ynchronized|witch)|t(emplate|hen|his|hrows?|ransient|rue|ry|ype(alias|def|id|name|of))|u(n(checked|def(ined)?|
ion|less|signed|til)|se|sing)|v(ar|irtual|oid|olatile)|w(char_t|hen|here|hile|ith)|xor|yield)$/[test](token)\n
])\n\n
node[appendChild](_document.createTextNode(token))\n
}\n\n
// saving the previous token type\n
//
(skipping whitespaces and comments)\n
lastTokenType =\n
(tokenType && tokenType < 7) ?\n
tokenType : lastTokenType\n\n
// initializing a new token\n
token = \"\"\n\n
// determining the new
token type (going up the\n
// list until matching a token type start\n
// condition)\n
tokenType = 11\n
while (![\n
1, // 0: whitespace\n
// 1: operator or braces\n
/[\\/{}[(\\+*=<>:;|\\\\.,?!&@~]/[test](chr), // eslint-disable-line no-useless-escape\n
/[\\])]/[test](chr), // 2: closing
brace\n
/[$\\w]/[test](chr), // 3: (key)word\n
chr == \"/\" && // 4: regex\n
// previous token was
an\n
// opening brace or an\n
// operator (otherwise\n
// division, not a regex)\n
(lastTokenType < 2) &&\n
// workaround for xml\n
// closing tags\n
prev1 != \"<\",\n
chr
== \"\\\"\", // 5: string with \"\n
chr == \"'\", // 6: string with '\n
// 7: xml comment\n
chr+next1+text[pos+1]+text[pos+2] == \"<!--\",\n
chr+next1 == \"/*\", // 8: multiline comment\n
chr+next1 == \"//\", // 9: single-line comment\n
chr == \"#\" // 10: hash-style comment\n
][-tokenType]);\n
}\n\n
token += chr\n }\n }\n\n return reset(el)\n}\n\n/**\n * Take an immutable map, and
convert to a list.\n * Where the keys are merged with the value objects\n * @param {Immutable.Map} map, the map
to convert\n * @param {String} key the key to use, when merging the `key`\n * @returns {Immutable.List}\n
*/\nexport function mapToList(map, keyNames=\"key\", collectedKeys=Im.Map()) {\n if(!Im.Map.isMap(map) ||
!map.size) {\n return Im.List()\n }\n\n if(!Array.isArray(keyNames)) {\n keyNames = [ keyNames ]\n }\n\n
if(keyNames.length < 1) {\n return map.merge(collectedKeys)\n }\n\n // I need to avoid `flatMap` from merging
in the Maps, as well as the lists\n let list = Im.List()\n let keyName = keyNames[0]\n for(let entry of map.entries())
{\n let [key, val] = entry\n let nextList = mapToList(val, keyNames.slice(1), collectedKeys.set(keyName,
key))\n if(Im.List.isList(nextList)) {\n
list = list.concat(nextList)\n } else {\n
list = list.push(nextList)\n
}\n }\n\n return list\n}\n\nexport function extractFileNameFromContentDispositionHeader(value){\n let patterns =
[\n /filename\\*=[^']+'\\w*'\"([^\"]+)\";?/i,\n /filename\\*=[^']+'\\w*'([^;]+);?/i,\n /filename=\"([^;]*);?\"/i,\n
/filename=([^;]*);?/i\n ]\n \n let responseFilename\n patterns.some(regex => {\n responseFilename =
regex.exec(value)\n return responseFilename !== null\n })\n \n if (responseFilename !== null &&
responseFilename.length > 1) {\n try {\n
return decodeURIComponent(responseFilename[1])\n } catch(e) {\n
console.error(e)\n }\n }\n\n return null\n}\n\n// PascalCase, aka UpperCamelCase\nexport function
pascalCase(str) {\n return upperFirst(camelCase(str))\n}\n\n// Remove the ext of a filename, and pascalCase
it\nexport function pascalCaseFilename(filename) {\n return pascalCase(filename.replace(/\\.[^./]*$/, \"\"))\n}\n\n//
Check if ...\n// - new props\n// - If immutable, use .is()\n// - if in explicit objectList, then compare using _.eq\n// else use ===\nexport const propChecker = (props, nextProps, objectList=[], ignoreList=[]) => {\n\n

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if(Object.keys(props).length !== Object.keys(nextProps).length) {
    return true
  }

  return (
    some(props,
      (a, name) => {
      if(ignoreList.includes(name)) {
        return false
      }
      let b = nextProps[name]

      if(Im.Iterable.isIterable(a)) {
        return !Im.is(a,b)
      }

      // Not going to compare objects
      if(typeof a
          === "object" && typeof b === "object") {
        return false
      }

      return a !== b
    })
    ||
    objectList.some( objectPropName => !eq(props[objectPropName], nextProps[objectPropName])))
}

export const validateMaximum = ( val, max ) => {
  if (val > max) {
    return "Value must be less than Maximum"
  }
}

export const validateMinimum = ( val, min ) => {
  if (val < min) {
    return "Value must be greater than Minimum"
  }
}

export const validateNumber = ( val ) => {
  if (!/^-?\d+(\.?\d+)?$/.test(val)) {
    return "Value must be a number"
  }
}

export const validateInteger = ( val ) => {
  if (!/^-?\d+$/.test(val)) {
    return "Value must be an integer"
  }
}

export const validateFile = ( val ) => {
  if ( val && !(val instanceof win.File) ) {
    return "Value must be a file"
  }
}

export const validateBoolean = ( val ) => {
  if ( !(val === "true" || val === "false" || val === true || val === false) ) {
    return "Value must be a boolean"
  }
}

export const validateString = ( val ) => {
  if ( val && typeof val !== "string" ) {
    return "Value must be a string"
  }
}

export const validateDateTime = (val) => {
    if (isNaN(Date.parse(val))) {
        return "Value must be a DateTime"
    }
}

export const validateGuid = (val) => {
    val = val.toString().toLowerCase()
    if (!/^[\{\[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}\]}?$/.test(val)) {
        return "Value must be a Guid"
    }
}

export const validateMaxLength = (val, max) => {
  if (val.length > max) {
      return "Value must be less than MaxLength"
  }
}

export const validateMinLength = (val, min) => {
  if (val.length < min) {
      return "Value must be greater than MinLength"
  }
}

export const validatePattern = (val, rxPattern) => {
  var patt = new RegExp(rxPattern)
  if (!patt.test(val)) {
      return "Value must follow pattern " + rxPattern
  }
}

// validation of parameters
before execute
export const validateParam = (param, value, { isOAS3 = false, bypassRequiredCheck = false } = {} ) => {
  let errors = []
  let required = param.get("required")

  let paramDetails = isOAS3 ?
  param.get("schema") : param

  if(!paramDetails) return errors

  let maximum = paramDetails.get("maximum")
  let minimum = paramDetails.get("minimum")
  let type = paramDetails.get("type")
  let format = paramDetails.get("format")
  let maxLength = paramDetails.get("maxLength")
  let minLength = paramDetails.get("minLength")
  let pattern = paramDetails.get("pattern")

  /*
    If the parameter is required OR the parameter has a value (meaning
    optional, but filled in)
    then we should do our validation routine.
    Only bother validating the parameter if the
    type was specified.
  */
  if ( type && (required || value) ) {
    let stringCheck = type === "string" && value
    let arrayCheck = type === "array" && Array.isArray(value) && value.length
    let listCheck = type === "array" && Im.List.isList(value) && value.count()
    let fileCheck = type === "file" && value instanceof win.File
    let booleanCheck = type === "boolean" && (value || value === false)
    let numberCheck = type === "number" && (value || value === 0)
    let integerCheck = type === "integer" && (value || value === 0)
    let oas3ObjectCheck = false
    if(!value)
      oas3ObjectCheck = true
    else if(typeof value === "object")
      oas3ObjectCheck = true

    // These checks should evaluate to true if there is a
    // parameter
    if (stringCheck)
      return "Value must follow pattern " + pattern
    if (arrayCheck)
      return "Value must be an array"
    if (listCheck)
      return "Value must be a list"
    if (fileCheck)
      return "Value must be a file"
    if (booleanCheck)
      return "Value must be a boolean"
    if (numberCheck)
      return "Value must be a number"
    if (integerCheck)
      return "Value must be an integer"
    if (oas3ObjectCheck)
      return "Value must be a Guid"

    // validation of parameters
  }

  if (required) {
    if (error)
      errors.push(error)
    if (message)
      errors.push(message)
  }

  if (errors.length > 0)
    throw new Error(errors)
}

// validation of parameters
after execute
export const validateParam = (param, value, { isOAS3 = false, bypassRequiredCheck = false } = {} ) => {
  let errors = []
  let required = param.get("required")

  let paramDetails = isOAS3 ?
  param.get("schema") : param

  if(!paramDetails) return errors

  let maximum = paramDetails.get("maximum")
  let minimum = paramDetails.get("minimum")
  let type = paramDetails.get("type")
  let format = paramDetails.get("format")
  let maxLength = paramDetails.get("maxLength")
  let minLength = paramDetails.get("minLength")
  let pattern = paramDetails.get("pattern")

  /*
    If the parameter is required OR the parameter has a value (meaning
    optional, but filled in)
    then we should do our validation routine.
    Only bother validating the parameter if the
    type was specified.
  */
  if ( type && (required || value) ) {
    let stringCheck = type === "string" && value
    let arrayCheck = type === "array" && Array.isArray(value) && value.length
    let listCheck = type === "array" && Im.List.isList(value) && value.count()
    let fileCheck = type === "file" && value instanceof win.File
    let booleanCheck = type === "boolean" && (value || value === false)
    let numberCheck = type === "number" && (value || value === 0)
    let integerCheck = type === "integer" && (value || value === 0)
    let oas3ObjectCheck = false
    if(!value)
      oas3ObjectCheck = true
    else if(typeof value === "object")
      oas3ObjectCheck = true

    // These checks should evaluate to true if there is a
    // parameter
    if (stringCheck)
      return "Value must follow pattern " + pattern
    if (arrayCheck)
      return "Value must be an array"
    if (listCheck)
      return "Value must be a list"
    if (fileCheck)
      return "Value must be a file"
    if (booleanCheck)
      return "Value must be a boolean"
    if (numberCheck)
      return "Value must be a number"
    if (integerCheck)
      return "Value must be an integer"
    if (oas3ObjectCheck)
      return "Value must be a Guid"

    // validation of parameters
  }

  if (required) {
    if (error)
      errors.push(error)
    if (message)
      errors.push(message)
  }

  if (errors.length > 0)
    throw new Error(errors)
validateGuid(value)
} else {
  err = validateString(value)
} else if (err)
errors.push(err)

} else if (type === "boolean") {
  let err = validateBoolean(value)
  if (!err)
    return errors
  errors.push(err)
} else if (type === "number") {
  let err = validateNumber(value)
  if (!err)
    return errors
  errors.push(err)
} else if (type === "integer") {
  let err = validateInteger(value)
  if (!err)
    return errors
  errors.push(err)
} else if (type === "array") {
  let itemType

  if (!listCheck || !value.count())
    return errors

  itemType = paramDetails.getIn(["items", "type"])

  value.forEach((item, index) => {
    let err

    if (itemType === "number")
      err = validateNumber(item)
    else if (itemType === "integer")
      err = validateInteger(item)
    else if (itemType === "string")
      err = validateString(item)

    if (err)
      errors.push({ index: index, error: err })
  })
}

return errors
}

export const getSampleSchema = (schema, contentType="", config={}) => {
  if (/xml/.test(contentType)) {
    if (!schema.xml || !schema.xml.name) {
      schema.xml = schema.xml || {}

      if (schema.$$ref) {
        let match = schema.$$ref.match(/\S*\/(\S+)$/)
        schema.xml.name = match[1]
      } else if (schema.type || schema.items || schema.properties || schema.additionalProperties)
        return "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n<!-- XML example cannot be generated; root element name is undefined -->"
    } else {
      return null
    }
  
  return memoizedCreateXMLExample(schema, config)
}

const res = memoizedSampleFromSchema(schema, config)

return typeof res === "object" ? JSON.stringify(res, null, 2) : res
}

export const parseSearch = () => {
  let map = {}
  let search = win.location.search

  if (!search)
    return {}

  if (search !== "") {
    let params = search.substr(1).split("&")

    for (let i in params) {
      if (!params.hasOwnProperty(i))
        continue
      i = params[i].split("=")
      map[decodeURIComponent(i[0])] = (i[1] && decodeURIComponent(i[1])) || ""
    }
  }

  return map
}

export const serializeSearch = (searchMap) => {
  return Object.keys(searchMap).map(k => {
    return encodeURIComponent(k) + "=" + encodeURIComponent(searchMap[k])
  }).join("&")
}

export const btoa = (str) => {
  let buffer

  if (str instanceof Buffer)
    buffer = str
  else {
    buffer = new Buffer(str.toString(), "utf-8")
  }

  return buffer.toString("base64")
}

export const sorters = {
  operationsSorter: {
    alpha: (a, b) => a.get("path").localeCompare(b.get("path")),
    method: (a, b) => a.get("method").localeCompare(b.get("method"))
  },
  tagsSorter: {
    alpha: (a, b) => a.localeCompare(b)
  }
}

export function buildFormData(data) {
  let formArr = []

  for (let name in data) {
    let val = data[name]
    if (val !== undefined && val !== "")
      formArr.push([name, "=", encodeURIComponent(val).replace(/%20/g,"+")].join(""))
  }
  return formArr.join("&")
}

// Is this really required as a helper? Perhaps. TODO: expose the system of presets.apis in docs, so we know what is supported

export const shallowEqualKeys = (a, b, keys) => {
  return !!find(keys, (key) => {
    return eq(a[key], b[key])
  })
}

export function sanitizeUrl(url) {
  if (typeof url !== "string" || url === "") {
    return ""
  }

  return braintreeSanitizeUrl(url)
}

export function getAcceptControllingResponse(responses) {
  if (!Im.OrderedMap.isOrderedMap(responses)) {
    // wrong type!
    return null
  }

  if (!responses.size)
    return null

  const suitable2xxResponse = responses.find((res, k) => {
    return k.startsWith("2") && Object.keys(res.get("content") || {}).length > 0
  })

  const defaultResponse = responses.get("default") || Im.OrderedMap()
  const defaultResponseMediaTypes = (defaultResponse.get("content") || Im.OrderedMap()).keySeq().toJS()
  const suitableDefaultResponse = defaultResponseMediaTypes.length ? defaultResponse : null

  return suitable2xxResponse || suitableDefaultResponse
}

// suitable for use in CSS classes and ids

export const createDeepLinkPath = (str) => {
  if (str)
    return cssEscape(str)

  return (str).replace(/%20/g, "\%20")
    .replace(/\%20/g, "\%20")
    .replace(/\%20/g, "\%20")
}

// suitable for use in URL fragments

export const createDeepLinkPath = (str) => {
  if (str)
    return cssEscape(str)

  return (str).replace(/%20/g, "\%20")
    .replace(/\%20/g, "\%20")
    .replace(/\%20/g, "\%20")
}

// Deeply strips a specific key from an object.

// `predicate` can be used to discriminate the stripping further.

// by preserving the key's place in the
object based on its value.

```javascript
function deeplyStripKey(input, keyToStrip, predicate = () => true) {
  if (typeof input !== 'object' || Array.isArray(input) || input === null || !keyToStrip) {
    return input
  }

  const obj = Object.assign({}, input);

  Object.keys(obj).forEach(k => {
    if (k === keyToStrip && predicate(obj[k], k)) {
      delete obj[k];
    }
    obj[k] = deeplyStripKey(obj[k], keyToStrip, predicate);
  })

  return obj;
}

function stringify(thing) {
  if (typeof thing === 'string') {
    return thing
  }

  if (thing && thing.toJS) {
    thing = thing.toJS();
  }

  if (typeof thing === 'object' && Array.isArray(thing) || thing === null || !thing) {
    try {
      return JSON.stringify(thing, null, 2);
    } catch (e) {
      return String(thing);
    }
  }

  if (thing === null || thing === undefined) {
    return ''
  }

  return thing.toString()
}

function numberToString(thing) {
  if (typeof thing === 'number') {
    return thing.toString()
  }

  return thing
}

function paramToIdentifier(param, { returnAll = false, allowHashes = true } = {}) {
  if (!Im.Map.isMap(param)) {
    throw new Error('paramToIdentifier: received a non-Im.Map parameter as input');
  }

  const paramName = param.get('name')
  const paramIn = param.get('in')
  const paramId = param.get('id')

  let generatedIdentifiers = []

  // Generate identifiers in order of most to least specificity

  if (param && param.hashCode && paramIn && paramName && allowHashes) {
    generatedIdentifiers.push(`${paramIn}.${paramName}.hash-${param.hashCode()}`)
  }

  if (paramIn && paramName) {
    generatedIdentifiers.push(`${paramIn}.${paramName}`)
  }

  generatedIdentifiers.push(paramName)

  // Return the most preferred identifier, or all if requested

  return returnAll ? generatedIdentifiers : (generatedIdentifiers[0] || '')
}

function paramToValue(param, paramValues) {
  const allIdentifiers = paramToIdentifier(param, { returnAll: true })

  // Map identifiers to values in the provided value hash, filter undefined values, and return the first value found

  const values = allIdentifiers
    .map(id => {
      return paramValues[id]
    })
    .filter(value => value !== undefined)

  return values[0]
}
```
representing `not set` which equals nothing other than itself, and nothing that could be provided externally.

var NOT_SET = {};

var CHANGE_LENGTH = {
  value: false
};

var DID_ALTER = {
  value: false
};

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}

function MakeRef(ref) {
  ref.value = false;

  return ref;
}

function SetRef(ref) {
  if (ref.value === false)
    ref.value = true;
}
```javascript
emptySequence().toKeyedSeq() :\n  isIterable(value) ?\n    value.fromEntrySeq() :\n  keySeqFromValue(value);

keySeqFromValue(value) :
  return value !== null || value.size !== undefined ?\n    emptySequence() :\n    isIterable(value) ?\n      (isKeyed(value) ? value.toSeq() :\n        value.fromEntrySeq()) :
      keyedSeqFromValue(value);

KeyedSeq.prototype.toKeyedSeq =\n  function() {
    return this;\n  };

IndexedSeq.prototype.toIndexedSeq =\n  function() {
    return this;\n  };

createClass(IndexedSeq, Seq) ;\n  function IndexedSeq(value) {
    return value === null || value === undefined ?\n      emptySequence() :\n      !isIterable(value) ?\n        indexedSeqFromValue(value) :
        isKeyed(value) ? value.entrySeq() : value.toIndexedSeq();\n  }

IndexedSeq.of = function(/*...values*/) {
  return IndexedSeq(arguments);\n};

IndexedSeq.prototype.toSetSeq = function() {
  return SetSeq(arguments);\n};

SetSeq.prototype.toSetSeq = function() {
  return this;\n};

SetSeq.prototype.toString =\n  function() {
    return this.__toString('Seq 
[', '
]');\n};

SetSeq.prototype.__iterate = function(fn,\n  reverse) {
  return seqIterate(this, fn, reverse, false);\n};

SetSeq.prototype.__iterator =\n  function(type, reverse) {
    return seqIterator(this, type, reverse, false);\n};

createClass(ArraySeq, IndexedSeq) ;\n  function ArraySeq(array) {
    this._array = array;
    this.size = array.length;
  }

  ArraySeq.prototype.get = function(index, notSetValue) {
    return this.has(index) ?
      this._array[wrapIndex(this, index)] : notSetValue;
  }

  ArraySeq.prototype.__iterate = function(fn, reverse) {
    var array = this._array;
    var maxIndex = array.length - 1;
    for (var ii = 0; ii <= maxIndex; ii++) {
      if (fn(array[reverse ? maxIndex - ii : ii], ii, this) === false) {
        return ii + 1;
      }
    }
    return ii;
  }

  ArraySeq.prototype.__iterator = function(type, reverse) {
    var object = this._object;
    var keys = this._keys;
    var maxIndex = object.length - 1;
    for (var ii = 0; ii <= maxIndex; ii++) {
      var key = keys[reverse ? maxIndex - ii : ii];
      if (fn(object[key], key, this) === false) {
        return ii + 1;
      }
    }
    return ii;
  }

  ArraySeq.prototype[IS_ORDERED_SENTINEL] = true;

createClass(ObjectSeq, KeyedSeq) ;\n  function ObjectSeq(object) {
    var keys = Object.keys(object);
    this._object = object;
    this._keys = keys;
    this.size = keys.length;
  }

  ObjectSeq.prototype.get = function(key, notSetValue) {
    if (notSetValue !== undefined && !this.has(key)) {
      return notSetValue;
    }
    return this._object[key];
  }

  ObjectSeq.prototype.has = function(key) {
    return this._object.hasOwnProperty(key);\n  }

  ObjectSeq.prototype.__iterate = function(fn, reverse) {
    var object = this._object;
    var keys = this._keys;
    var maxIndex = keys.length - 1;
    var ii = 0;
    return new Iterator(function() {
      return ii > maxIndex ?
        iteratorDone() :
        iteratorValue(type, key, object[key]);\n    });\n  }

  ObjectSeq.prototype.__iterator =\n    function(type, reverse) {
      var object = this._object;
      var keys = this._keys;
      var maxIndex = keys.length - 1;
      var ii = 0;
      return new Iterator(function() {
        return ii > maxIndex ?
          iteratorDone() :
          iteratorValue(type, key, object[key]);\n      });\n  }

  createClass(ObjectSeq, KeyedSeq) ;\n  function ObjectSeq(object) {
    var keys = Object.keys(object);
    this._object = object;
    this._keys = keys;
    this.size = keys.length;
  }

  ObjectSeq.prototype.get =\n    function(key, notSetValue) {
      if (notSetValue !== undefined && !this.has(key)) {
        return notSetValue;
      }
      return this._object[key];\n  }

  ObjectSeq.prototype.__iterate = function(fn, reverse) {
    var object = this._object;
    var keys = this._keys;
    var maxIndex = keys.length - 1;
    var ii = 0;
    return new Iterator(function() {
      return ii > maxIndex ?
        iteratorDone() :
        iteratorValue(type, key, object[key]);\n    });\n  }

  ObjectSeq.prototype.__iterator =\n    function(type, reverse) {
      var object = this._object;
      var keys = this._keys;
      var maxIndex = keys.length - 1;
      var ii = 0;
      return new Iterator(function() {
        return ii > maxIndex ?
          iteratorDone() :
          iteratorValue(type, key, object[key]);\n      });\n  }

  ObjectSeq.prototype[IS_ORDERED_SENTINEL] = true;

createClass(IterableSeq, IndexedSeq) ;\n  function IterableSeq(iterable) {
    this._iterable = iterable;
    this.size = iterable.length || iterable.size;
  }

  IterableSeq.prototype.__iterateUncached = function(fn, reverse) {
    if (reverse) {
      return this.cacheResult().__iterate(fn, reverse);
    }
    var iterable = this._iterable;
    var value = iterable.iterator();\n    var iterations = 0;
    while (!isIterator(iterator)) {
      var step = iterable.next();\n      if (fn(step.value, iterations++) === false) {
        break;\n      }
      var iterations = 0;
      var value = iterable.iterator();\n      if (isIterator(iterator)) {
        return new Iterator(function() {
          return this.cacheResult().__iterate(fn, reverse);
        }));\n      }
    }
  }

  IterableSeq.prototype.__iteratorUncached =\n    function(type, reverse) {
      var iterable = this._iterable;
      var iterations = 0;
      var value = iterable.iterator();\n      var step = iterable.next();\n      var iterations = 0;
      var value = iterable.iterator();\n      if (isIterator(iterator)) {
        return new Iterator(function() {
          return this.cacheResult().__iterate(type, reverse);
        }));\n      }
    }
```

=== 'function') {
      return o.hashCode();
    }
    if (type === 'object') {
      return hashJSObj(o);
    }
    if (typeof o.toString === 'function') {
      return hashString(o.toString());
    }
    throw new Error('Value type ' + type + ' cannot be hashed.');}

  function cachedHashString(string) {
    var hash = stringHashCache[string];
    if (hash === undefined) {
      hash = hashString(string);
      if (STRING_HASH_CACHE_MAX_SIZE === STRING_HASH_CACHE_SIZE) {
        STRING_HASH_CACHE_SIZE = 0;
        stringHashCache = {};
      }
    }
    return hash;
  }

  // http://jsperf.com/hashing-strings
  function hashString(string) {
    // This is the hash from JVM
    // The hash code for a string is computed as:
    // s[0] * 31 ^ (n - 1) + s[1] * 31 ^ (n - 2) + ... + s[n - 1],
    // where s[i] is the ith character of the string and n is the length of s.
    // We "mod" the result to make it between 0 (inclusive) and 2^31
    var hash = 0;
    for (var ii = 0; ii < string.length; ii++) {
      hash = 31 * hash + string.charCodeAt(ii) | 0;
    }
    return smi(hash);
  }

  function hashJSObj(obj) {
    var hash;
    if (usingWeakMap) {
      hash = weakMap.get(obj);
      if (hash !== undefined) {
        return hash;
      }
    }

    hash = obj[UID_HASH_KEY];
    if (hash !== undefined) {
      return hash;
    }

    if (!canDefineProperty) {
      hash = obj.propertyIsEnumerable &&
        obj.propertyIsEnumerable[UID_HASH_KEY] ||
        getIENodeHash(obj);  
      if (hash !== undefined) {
        return hash;
      }
    }

    hash = ++objHashUID;
    if (objHashUID & 0x40000000) {
      objHashUID = 0;
    }

    if (usingWeakMap) {
      weakMap.set(obj, hash);
    } else if (isExtensible !== undefined && isExtensible(obj) === false) {
      throw new Error('Non-extensible objects are not allowed as keys.');}
    } else if (canDefineProperty) {
      Object.defineProperty(obj, UID_HASH_KEY, {
        enumerable: false,
        'writable': false,
        'value': hash
      });
    } else if (obj.propertyIsEnumerable !== undefined &&
      obj.propertyIsEnumerable === obj.constructor.prototype.propertyIsEnumerable) {
      // Since we can't define a non-enumerable property on the object
      // we'll hijack one of the less-used non-enumerable properties to
      // save our hash on it. Since this is a function it will not show up
      // in the JSON.stringify which is what we want.
      obj.propertyIsEnumerable = function() {
        return this.constructor.prototype.propertyIsEnumerable();
      };
    } else if (obj.nodeType !== undefined) {
      // At this point we couldn't get the IE `uniqueID` to use as a hash
      // and we couldn't use a non-enumerable property to exploit the
      // dontEnum bug so we simply add the `UID_HASH_KEY` on the
      // node itself.
      obj[UID_HASH_KEY] = hash;
    } else {  
      throw new Error('Unable to set a non-enumerable property on object.');}

    return hash;
  }

  // Get references to ES5 object methods.
  var isExtensible = Object.isExtensible;

  // True if Object.defineProperty works as expected. IE8 fails this test.
  var canDefineProperty = (function() {
    try {
      Object.defineProperty({}, '@', {});
      return true;
    } catch (e) {
      return false;
    }
  }());

  // IE has a 'uniqueID' property on DOM nodes. We can construct the hash
  // from it. 
  // and avoid memory leaks from the IE cloneNode bug
  function getIENodeHash(node) {
    if (node && node.nodeType > 0) {
      switch (node.nodeType) {
        case 1: // Element
          return node.uniqueID;
        case 9: // Document
          return node.documentElement && node.documentElement.uniqueID;
      }
    }
  }

  // If possible, use a WeakMap.
  var WeakMap;

  // @pragma Construction

  function Map(value) {
    return value === null || value === undefined ? emptyMap() :
      isMap(value) && !isOrdered(value) ? value :
      emptyMap().withMutations(function(map ) {
        var iter = KeyedIterable(value);
        assertNotInfinite(iter.size);
        iter.forEach(function(v, k) {return map.set(k, v)});
      });
  }

  Map.of = function() {var keyValues = SLICE$0.call(arguments, 0);  
    return emptyMap().withMutations(function(map ) {
      for (var i = 0; i < keyValues.length; i += 2) {
        if (i + 1 >=
keyValues.length) { throw new Error('Missing value for key: ' + keyValues[i]); } 

map.set(keyValues[i], keyValues[i + 1]); } 

// @pragma Access 

Map.prototype.get = function(key, notSetValue) { 
  return this._root ? this._root.get(key, undefined, notSetValue) : notSetValue 
}; 

// @pragma Modification 

Map.prototype.set = function(key, v) { 
  if (!v) 
    return notSetValue 
  else 
    return updateMap(this, key, v) 
}; 

Map.prototype.remove = function(key) { 
  return updateMap(this, key, NOT_SET) 
}; 

Map.prototype.update = function(key, notSetValue, updater) { 
  return arguments.length === 1 ? 
    updater(this[this._root ? this._root.getKey(key) : NOT_SET], undefined, notSetValue) 
  : 
    this.updateIn(keyPath, notSetValue, updater) 
}; 

// @pragma Access 

Map.prototype.getKey = function(keyPath) { 
  return this._root ? this._root.getKey(keyPath) : NOT_SET 
}; 

Map.prototype.size = function() { 
  return this._root ? this._root.size : 0 
}; 

Map.prototype.clear = function() { 
  if (this.size === 0) 
    return this 
  else if (this.__ownerID) 
    this.size = 0 
  this._root = null 
  this.__hash = undefined 
  this.__altered = true 
  return this 
}; 

Map.prototype.toString = function() { 
  return this.__toString('Map {', '}') 
}; 

// @pragma Modification 

Map.prototype.setIn = function(keyPath, v) { 
  return updateInMap(this, keyPath, notSetValue, updater) 
}; 

Map.prototype.removeIn = function(keyPath) { 
  return updateInMap(this, keyPath, NOT_SET, updater) 
}; 

Map.prototype.updateIn = function(keyPath, notSetValue, updater) { 
  return updateInMap(this, keyPath, notSetValue, updater) 
}; 

Map.prototype.merge = function(/*...iters*/) { 
  return mergeIntoMapWith(this, undefined, arguments) 
}; 

Map.prototype.mergeWith = function(merger) { 
  var iters = SLICE$0.call(arguments, 1); 
  return mergeIntoMapWith(this, merger, iters) 
}; 

Map.prototype.mergeIn = function(keyPath) { 
  var iters = SLICE$0.call(arguments, 1); 
  return this.updateIn(keyPath, emptyMap(), function(m) { 
    return typeof m.merge === 'function' ? m.merge.apply(m, iters) : iters[iters.length - 1] 
  }) 
}; 

Map.prototype.mergeDeep = function(/*...iters*/) { 
  return mergeIntoMapWith(this, deepMerger, arguments) 
}; 

Map.prototype.mergeDeepWith = function(merger) { 
  var iters = SLICE$0.call(arguments, 1); 
  return mergeIntoMapWith(this, deepMergerWith(merger), iters) 
}; 

Map.prototype.mergeDeepIn = function(keyPath) { 
  var iters = SLICE$0.call(arguments, 1); 
  return this.updateIn(keyPath, emptyMap(), function(m) { 
    return typeof m.mergeDeep === 'function' ? m.mergeDeep.apply(m, iters) : iters[iters.length - 1] 
  }) 
}; 

// Late binding 

Map.prototype.sort = function(comparator) { 
  return OrderedMap(sortFactory(this, comparator)) 
}; 

Map.prototype.sortBy = function(mapper, comparator) { 
  return OrderedMap(sortFactory(this, comparator, mapper)) 
}; 

Map.prototype.withMutations = function(fn) { 
  var mutable = this.asMutable() 
  fn(mutable) 
  return mutable.wasAltered() ? mutable.__ensureOwner(this.__ownerID) : this 
}; 

Map.prototype.asMutable = function() { 
  return this.__ensureOwner(new OwnerID()) 
}; 

Map.prototype.asImmutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.wasAltered = function() { 
  return this.__altered 
}; 

Map.prototype.__iterator = function(type, reverse) { 
  return new MapIterator(this, type, reverse) 
}; 

Map.prototype.__iterate = function(fn, reverse) { 
  this._root && this._root.iterate(function(entry) { 
    return fn(entry[1], entry[0], this) 
  }, reverse) 
}; 

Map.prototype.__ensureOwner = function(ownerID) { 
  return this.__ensureOwner(ownerID) ? this : 
    this.__ensureOwner(new OwnerID()) 
}; 

Map.prototype.asMutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.asImmutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.wasAltered = function() { 
  return this.__altered 
}; 

Map.prototype.__iterator = function(type, reverse) { 
  return new MapIterator(this, type, reverse) 
}; 

Map.prototype.__iterate = function(fn, reverse) { 
  this._root && this._root.iterate(function(entry) { 
    return fn(entry[1], entry[0], this) 
  }, reverse) 
}; 

Map.prototype.__ensureOwner = function(ownerID) { 
  return this.__ensureOwner(ownerID) ? this : 
    this.__ensureOwner(new OwnerID()) 
}; 

Map.prototype.asMutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.asImmutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.wasAltered = function() { 
  return this.__altered 
}; 

Map.prototype.__iterator = function(type, reverse) { 
  return new MapIterator(this, type, reverse) 
}; 

Map.prototype.__iterate = function(fn, reverse) { 
  this._root && this._root.iterate(function(entry) { 
    return fn(entry[1], entry[0], this) 
  }, reverse) 
}; 

Map.prototype.__ensureOwner = function(ownerID) { 
  return this.__ensureOwner(ownerID) ? this : 
    this.__ensureOwner(new OwnerID()) 
}; 

Map.prototype.asMutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.asImmutable = function() { 
  return this.__ensureOwner() 
}; 

Map.prototype.wasAltered = function() { 
  return this.__altered 
};
key, value, didChangeSize, didAlter) {
  var removed = value === NOT_SET;
  var entries = this.entries;
  var idx = 0;
  for (var len = entries.length; idx < len; idx++) {
    var entry = entries[idx];
    if (entry[1] == removed) {
      return this;
    }
  }
  SetRef(didAlter);
  (removed || entries.length <= MAX_ARRAY_MAP_SIZE) ?
    return createNodes(ownerID, key, value) : (this.entries.length || 1) ?
    return this;
}

BitmapIndexedNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var bit = (1 << ((shift === 0 ? keyHash : keyHash >>> shift) & MASK));
  var bitmap = this.bitmap;
  return (bitmap & bit) === 0 ? notSetValue :
    this.nodes[popCount(bitmap & (bit - 1))].get(shift + SHIFT, keyHash, key, notSetValue);
}

BitmapIndexedNode.prototype.update = function(ownerID, shift, keyHash, key, value, didChangeSize, didAlter) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var keyHashFrag = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = exists ? nodes[idx] : undefined;
  var newNode = updateNode(node, ownerID, shift + SHIFT, keyHash, key, value, didChangeSize, didAlter);

  if (newNode === node) {
    return this;
  }

  var newCount = this.count;
  if (!node) {
    newCount++;
  } else if (!newNode) {
    newCount--;
    if (newCount < MIN_HASH_ARRAY_MAP_SIZE) {
      return packNodes(ownerID, nodes, newCount, idx);
    }
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newBitmap = exists ? newNode ? bitmap : bitmap ^ bit :
    bitmap | bit;
  var newNodes = setIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.count = newCount;
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new HashArrayMapNode(ownerID, count, newNodes);
}

HashCollisionNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var idx = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = nodes[idx];
  var var entry = entries[idx];
  var var exists = idx < len;
  if (exists) {
    var idx = len - 1;
  }

  if (removes & entries.length === 1) {
    return undefined;
  }

  return MAX_ARRAY_MAP_SIZE;
}

return createNodes(ownerID, newEntries, key, value);
}

function BitmapIndexedNode(ownerID, bitmap, nodes) {
  this.ownerID = ownerID;
  this.bitmap = bitmap;
  this.nodes = nodes;
}

BitmapIndexedNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var bit = (1 << ((shift === 0 ? keyHash : keyHash >>> shift) & MASK));
  var bitmap = this.bitmap;
  return (bitmap & bit) === 0 ? notSetValue :
    this.nodes[popCount(bitmap & (bit - 1))].get(shift + SHIFT, keyHash, key, notSetValue);
}

BitmapIndexedNode.prototype.update = function(ownerID, shift, keyHash, key, value, didChangeSize, didAlter) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var keyHashFrag = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = exists ? nodes[idx] : undefined;
  var newNode = updateNode(node, ownerID, shift + SHIFT, keyHash, key, value, didChangeSize, didAlter);

  if (newNode === node) {
    return this;
  }

  var newCount = this.count;
  if (!node) {
    newCount++;
  } else if (!newNode) {
    newCount--;
    if (newCount < MIN_HASH_ARRAY_MAP_SIZE) {
      return packNodes(ownerID, nodes, newCount, idx);
    }
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newBitmap = exists ? newNode ? bitmap : bitmap ^ bit :
    bitmap | bit;
  var newNodes = setIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.count = newCount;
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new BitmapIndexedNode(ownerID, newBitmap, newNodes);
}

function HashArrayMapNode(ownerID, count, nodes) {
  this.ownerID = ownerID;
  this.count = count;
  this.nodes = nodes;
}

HashArrayMapNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var idx = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = nodes[idx];

  if (removed && !node) {
    return this;
  }

  var newNode = updateNode(node, ownerID, shift + SHIFT, keyHash, key, value, didChangeSize, didAlter);
  if (newNode === node) {
    return this;
  }

  var newCount = this.count;
  if (!node) {
    newCount++;
  } else if (!newNode) {
    newCount--;
    if (newCount < MIN_HASH_ARRAY_MAP_SIZE) {
      return packNodes(ownerID, nodes, newCount, idx);
    }
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newBitmap = exists ? newNode ? bitmap : bitmap ^ bit :
    bitmap | bit;
  var newNodes = setIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.count = newCount;
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new HashArrayMapNode(ownerID, count, newNodes);
}

function HashCollisionNode(ownerID, keyHash, entries) {
  this.ownerID = ownerID;
  this.keyHash = keyHash;
  this.entries = entries;
}

HashCollisionNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var idx = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = exists ? nodes[idx] : undefined;
  var newNode = updateNode(node, ownerID, shift + SHIFT, keyHash, key, value, didChangeSize, didAlter);

  if (newNode === node) {
    return this;
  }

  var newCount = this.count;
  if (!node) {
    newCount++;
  } else if (!newNode) {
    newCount--;
    if (newCount < MIN_HASH_ARRAY_MAP_SIZE) {
      return packNodes(ownerID, nodes, newCount, idx);
    }
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newBitmap = exists ? newNode ? bitmap : bitmap ^ bit :
    bitmap | bit;
  var newNodes = setIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.count = newCount;
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new HashArrayMapNode(ownerID, count, newNodes);
}

function packNodes(ownerID, nodes, idx, newCount, count) {
  if (isLeafNode(nodes[idx ^ 1])) {
    return nodes[idx ^ 1];
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newNodes = setIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.count = newCount;
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new HashArrayMapNode(ownerID, count, newNodes);
}

function LeafNode(ownerID, nodes) {
  this.ownerID = ownerID;
  this.nodes = nodes;
}

LeafNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var idx = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = exists ? nodes[idx] : undefined;
  var newNode = updateNode(node, ownerID, shift + SHIFT, keyHash, key, value, didChangeSize, didAlter);

  if (newNode === node) {
    return this;
  }

  var newCount = this.count;
  if (!node) {
    newCount++;
  } else if (!newNode) {
    newCount--;
    if (newCount < MIN_HASH_ARRAY_MAP_SIZE) {
      return packNodes(ownerID, nodes, newCount, idx);
    }
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newBitmap = exists ? newNode ? bitmap : bitmap ^ bit :
    bitmap | bit;
  var newNodes = setIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.count = newCount;
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new HashArrayMapNode(ownerID, count, newNodes);
}
newRoot;
var newSize;
if (!map._root) {
  if (v === NOT_SET) {
    return map;
  }
  newSize = 1;
  newRoot = new ArrayMapNode(map._ownerID, [[k, v]]);
} else {
  var didChangeSize = MakeRef(CHANGE_LENGTH);
  var didAlter = MakeRef(DID_ALTER);
  newRoot = updateNode(map._root, map._ownerID, 0, undefined, k, v, didChangeSize, didAlter);
  if (!didAlter.value) {
    return map;
  }
  newSize = map.size + (didChangeSize.value ? v === NOT_SET ? -1 : 1 : 0);
}

if (map._root) {
  map.size = newSize;
  map._root = newRoot;
  map._hash = undefined;

  map._altered = true;
  return newRoot
}

function updateNode(node, ownerID, shift, keyHash, key, value, didChangeSize, didAlter) {
  if (value === NOT_SET) {
    return node;
  }
  SetRef(didAlter);
  SetRef(didChangeSize);

  return new ValueNode(ownerID, keyHash, [key, value]);
}

function isLeafNode(node) {
  return node.constructor === ValueNode || node.constructor === HashCollisionNode;
}

function mergeIntoNode(node, ownerID, shift, keyHash, entry) {
  if (node.keyHash === keyHash) {
    return new HashCollisionNode(ownerID, keyHash, [node.entry, entry]);
  }

  var idx1 = (shift === 0 ? node.keyHash : node.keyHash >>> shift) & MASK;
  var idx2 = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;

  var newNode;
  var nodes = idx1 === idx2 ? [mergeIntoNode(node, ownerID, shift + SHIFT, keyHash, entry)] :
    ((newNode = new ValueNode(ownerID, keyHash, entry)), idx1 < idx2 ? [node, newNode] : [newNode, node]);

  return new BitmapIndexedNode(ownerID, (1 << idx1) | (1 << idx2), nodes);
}

function createNodes(ownerID, entries, key, value) {
  if (!ownerID) {
    ownerID = new OwnerID();
  }
  var node = new ValueNode(ownerID, hash(key), [key, value]);
  for (var ii = 0; ii < entries.length; ii++) {
    var entry = entries[ii];
    node = node.update(ownerID, 0, undefined, entry[0], entry[1]);
  }
  return node;
}

function packNodes(ownerID, nodes, count, excluding) {
  var bitmap = 0;
  var packedII = 0;
  var packedNodes = new Array(count);
  for (var ii = 0, bit = 1, len = nodes.length; ii < len; ii++, bit <<= 1) {
    var node = nodes[ii];
    if (node !== undefined && ii !== excluding) {
      bitmap |= bit;
      packedNodes[packedII++] = node;
    }
  }
  return new BitmapIndexedNode(ownerID, bitmap, packedNodes);
}

function expandNodes(ownerID, nodes, bitmap, including, node) {
  var count = 0;
  var expandedNodes = new Array(SIZE);
  for (var ii = 0; bitmap !== 0; ii++, bitmap >>>= 1) {
  }
  expandedNodes[including] = node;
  return new HashArrayMapNode(ownerID, count + 1, expandedNodes);
}

function mergeIntoMapWith(map, merger, iterables) {
  var iters = [];
  for (var ii = 0; ii < iterables.length; ii++) {
    var value = iterables[ii];
    var iter = KeyedIterable(value);
    if (!isIterable(value)) {
      iter = iter.map(function(v) {return fromJS(v)});
    }
    iters.push(iter);
  }
  return mergeIntoCollectionWith(map, merger, iters);
}

function deepMerger(existing, value, key) {
  return existing && existing.mergeDeep && isIterable(value) ?
    existing.mergeDeep(value) :
      is(existing, value) ? existing : value;
}

function deepMergerWith(merger) {
  return function(existing, value, key) {
    if (existing && existing.mergeDeepWith && isIterable(value)) {
      return existing.mergeDeepWith(merger, value);
    }
    var nextValue = merger(existing, value, key);
    return is(existing, nextValue) ? existing : nextValue;
  };
}

function mergeIntoCollectionWith(collection, merger, iters) {
  iters = iters.filter(function(x) {return x.size !== 0});
  if (iters.length === 0) {
    return collection;
  }
  if (collection.size === 0 && !collection._ownerID && iters.length === 1) {
    return collection.constructor(iterers[0]);
  }

  return collection.withMutations(function(collection) {
    var mergeIntoMap = merger
      ? function(value, key) {
          collection.update(key, NOT_SET, function(existing) {
            return existing === NOT_SET ? value : merger(existing, value, key));
        }
      : function(value, key) {
          collection.set(key, value);
        }
    for (var ii = 0; ii < iters.length; ii++) {
      var iter = iters[ii];
      for (var x = iter.next(); !x.done; x) {
        var mergeIntoMap = x.value
          ? function(value, key) {
              collection.update(x.key, NOT_SET, function(existing) {
                return existing === NOT_SET ? value : merger(existing, value, key));
              }
            }
          : function(value, key) {
              collection.set(x.key, value);
            }
        for (var x = iter.next(); !x.done; x) {
          var mergeIntoMap = x.value
            ? function(value, key) {
                collection.update(x.key, NOT_SET, function(existing) {
                  return existing === NOT_SET ? value : merger(existing, value, key));
                }
              }
            : function(value, key) {
                collection.set(x.key, value);
              }
          for (var x = iter.next(); !x.done; x) {
            var mergeIntoMap = x.value
              ? function(value, key) {
                  collection.update(x.key, NOT_SET, function(existing) {
                    return existing === NOT_SET ? value : merger(existing, value, key));
                  }
                }
              : function(value, key) {
                  collection.set(x.key, value);
                }
            for (var x = iter.next(); !x.done; x) {
              var mergeIntoMap = x.value
                ? function(value, key) {
                    collection.update(x.key, NOT_SET, function(existing) {
                      return existing === NOT_SET ? value : merger(existing, value, key));
                    }
                  }
                : function(value, key) {
                    collection.set(x.key, value);
                  }
                for (var x = iter.next(); !x.done; x) {
                  var mergeIntoMap = x.value
                    ? function(value, key) {
                        collection.update(x.key, NOT_SET, function(existing) {
                          return existing === NOT_SET ? value : merger(existing, value, key));
                        }
                      }
                    : function(value, key) {
                        collection.set(x.key, value);
                      }
                    for (var x = iter.next(); !x.done; x) {
                      var mergeIntoMap = x.value
                        ? function(value, key) {
                            collection.update(x.key, NOT_SET, function(existing) {
                              return existing === NOT_SET ? value : merger(existing, value, key));
                            }
                          }
                        : function(value, key) {
                            collection.set(x.key, value);
                          }
                        for (var x = iter.next(); !x.done; x) {
                          var mergeIntoMap = x.value
                            ? function(value, key) {
                                collection.update(x.key, NOT_SET, function(existing) {
                                  return existing === NOT_SET ? value : merger(existing, value, key));
                                  }
                                }
                            : function(value, key) {
                                collection.set(x.key, value);
                              }
                            for (var x = iter.next(); !x.done; x) {
                              var mergeIntoMap = x.value
                                ? function(value, key) {
                                    collection.update(x.key, NOT_SET, function(existing) {
                                      return existing === NOT_SET ? value : merger(existing, value, key));
                                      }
                                    }
                                  : function(value, key) {
                                    collection.set(x.key, value);
                                  }
                                }
                          }
                      }
                    }
                  }
                }
              }
            }
          }
        }
      }
    }
  });
}

function fromJS(value) {
  if (null == value) {
    return null;
  }
  if (typeof value == "object") {
    if (value instanceof Map) {
      return new ArrayMapNode(value._ownerID, value._root);
    }
    if (value instanceof Set) {
      return new SetMapNode(value._ownerID, value._root);
    }
    if (value instanceof Map) {
      return new ArrayMapNode(value._ownerID, value._root);
    }
    if (value instanceof Set) {
      return new SetMapNode(value._ownerID, value._root);
    }
    return value;
  }
  return value;
}

function toJS(value) {
  if (null == value) {
    return null;
  }
  if (typeof value == "object") {
    if (value instanceof ArrayMapNode) {
      return value._root;
    }
    if (value instanceof SetMapNode) {
      return value._root;
    }
    if (value instanceof ArrayMapNode) {
      return value._root;
    }
    if (value instanceof SetMapNode) {
      return value._root;
    }
    return value;
  }
  return value;
}

function fromJS(value) {
  if (null == value) {
    return null;
  }
  if (typeof value == "object") {
    if (value instanceof Map) {
      return new ArrayMapNode(value._ownerID, value._root);
    }
    if (value instanceof Set) {
      return new SetMapNode(value._ownerID, value._root);
    }
    if (value instanceof Map) {
      return new ArrayMapNode(value._ownerID, value._root);
    }
    if (value instanceof Set) {
      return new SetMapNode(value._ownerID, value._root);
    }
    return value;
  }
  return value;
}

function toJS(value) {
  if (null == value) {
    return null;
  }
  if (typeof value == "object") {
    if (value instanceof ArrayMapNode) {
      return value._root;
    }
    if (value instanceof SetMapNode) {
      return value._root;
    }
    if (value instanceof ArrayMapNode) {
      return value._root;
    }
    if (value instanceof SetMapNode) {
      return value._root;
    }
    return value;
  }
  return value;
}
```javascript
var node = listNodeFor(this, index);
      return node && node.array[index & MASK];
    }
    return
```

var values = iterateList(this, reverse);
return new Iterator(function() {
  var value = values();
  return value === DONE ?
    iteratorDone() :
    iteratorValue(type, index++, value);
});

List.prototype.__iterate = function(fn, reverse) {
  var index = 0;
  var values = iterateList(this, reverse);
  while ((values() !== DONE) {
    if (fn(value, index++, this) === false) {
      break;
    }
  }
  return index;
};

List.prototype.__ensureOwner = function(ownerID) {
  if (ownerID === this.__ownerID) {
    return this;
  }
  if (!ownerID) {
    this.__ownerID = ownerID;
    return this;
  }
  return makeList(this._origin, this._capacity, this._level, this._root, this._tail, ownerID,
  this._hash);
};

function isList(maybeList) {
  return !!(maybeList &&
  maybeList[IS_LIST_SENTINEL]);
}

List.isList = isList;

var IS_LIST_SENTINEL = '@@_IMMUTABLE_LIST@@';

ListPrototype[IS_LIST_SENTINEL] = true;
ListPrototype[DELETE] = ListPrototype.remove;
ListPrototype.setIn = MapPrototype.setIn;
ListPrototype.deleteIn = = ListPrototype.removeIn =
ListPrototype.update = MapPrototype.update;
ListPrototype.updateIn =
MapPrototype.updateIn;
ListPrototype.mergeIn = MapPrototype.mergeIn;
ListPrototype.mergeDeepIn =
ListPrototype.withMutations = MapPrototype.withMutations;

ListPrototype.asMutable = MapPrototype.asMutable;
ListPrototype.asImmutable = MapPrototype.asImmutable;
ListPrototype.wasAltered = MapPrototype.wasAltered;

function VNode(array, ownerID) {
  this.array = array;
  this.ownerID = ownerID;
};

function iterateList(list, reverse) {
  var left = list._origin;
  var right = list._capacity;
  var tailPos =
  getTailOffset(right);
  var tail = list._tail;

  return iterateNodeOrLeaf(list._root, list._level, 0);

  function iterateNodeOrLeaf(node, level, offset) {
    return level === 0 ?
      iterateLeaf(node, offset) :
      iterateNode(node, level, offset);
  }

  function iterateLeaf(node, offset) {
    var array = offset === tailPos ?
      tail && tail.array :
      node && node.array;
    var from = offset > left ? 0 : left - offset;
    var to = right - offset;

    if (to > SIZE) {
      to = SIZE;
    }

    return function() {
      do {
        var value = values();
        if (value !==
        DONE) {
          return value;
        }
        values = null;
      } while (true);
    };
  }

  function iterateNode(node, level, offset) {
    var returnValue = null;
    return function() {
      if (from === to) {
        return DONE;
      }
      var idx = reverse ?
        from++ :
        to;
      var value = values();
      var returnValue = node && node.array;
      var from = offset > left ?
        0 : left - offset;
      var to = right - offset;
      var levelValue = level;

      if (to > SIZE) {
        to = SIZE;
      }

      var value = values();
      if (value !==
      DONE) {
        return value;
      }
    };
  }

  function makeList(origin, capacity, level, root, tail, ownerID, hash) {
    var list = Object.create(ListPrototype);
    list.size
= capacity - origin; list._origin = origin; list._capacity = capacity; list._level = level; list._root = root; list._tail = tail; list._ownerID = ownerID; list._hash = hash; list._altered = false; return list;
} var EMPTY_LIST;
function emptyList() {
  return EMPTY_LIST || (EMPTY_LIST = makeList(0, 0, SHIFT));
}
function updateList(list, index, value) {
  index = wrapIndex(list, index);
  if (index !== index) {
    return list;
  }
  if (index >= list.size || index < 0) {
    return list.withMutations(function(list) {
      return list;
    });
  }
  var newRoot = list._root;
  var didAlter = MakeRef(DID_ALTER);
  if (index > getTailOffset(list._capacity)) {
    newRoot = updateVNode(newRoot, list._ownerID, 0, index, value, didAlter);
  } else {
    newRoot = updateVNode(newRoot, list._ownerID, list._level, index, value, didAlter);
  }
  if (!didAlter.value) {
    return list;
  }
  list._root = newRoot;
  list._tail = list._tail = newTail;
  list._hash = undefined;
  list._altered = true;
  return list;
}
function updateVNode(node, ownerID, level, index, value, didAlter) {
  var idx = (index >>> level) & MASK;
  if (!nodeHas && value === undefined) {
    return node;
  }
  var newNode;
  if (level > 0) {
    var lowerNode = node && node.array[idx];
    var newLowerNode = updateVNode(lowerNode, ownerID, level - SHIFT, index, value, didAlter);
    if (newLowerNode === lowerNode) {
      return node;
    }
    newNode = editableVNode(node, ownerID);
    newNode.array[idx] = newLowerNode;
    return newNode;
  }
  if (nodeHas && node.array[idx] === value) {
    return node;
  }
  SetRef(didAlter);
  newNode = editableVNode(node, ownerID);
  if (value === undefined && idx >= newNode.array.length) {
    return node;
  }
  else {
    newNode.array[idx] = value;
    return newNode;
  }
}
function makeList(origin, capacity, level, root, tail) {
  var list = {__ownerID: ownerID, __hash: undefined, __altered: false};
  list._origin = origin;
  list._capacity = capacity;
  list._level = level;
  list._root = root;
  list._tail = tail;
  list._size = 0;
  return list;
}
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if (newCapacity < oldCapacity) { newTail = newTail && newTail.removeAfter(owner, 0, newCapacity); } // If the new origin is within the tail, then we do not need a root.
if (newOrigin >= newTailOffset) { newOrigin -= newTailOffset; } // Otherwise, if the root has been trimmed, garbage collect.
if (newOrigin > oldOrigin || newTailOffset < oldTailOffset) { offsetShift = 0; } // Identify the new top root node of the subtree of the old root.
while (newRoot) { var beginIndex = (newOrigin >> newLevel) & MASK; if (beginIndex !== (newTailOffset >>> newLevel) & MASK) { break; } if (beginIndex) { var varSize = 0; for (var ii = 0; ii < iterables.length; ii++) { var value = iterables[ii]; var iter = IndexedIterable(value); if (iter.size > maxSize) { maxSize = iter.size; } } if (!isIterable(value)) { iter = iter.map(function(v) { return fromJS(v) }); } } } OrderedMap.prototype.toString = function() { return this.__toString('OrderedMap {', '}'); } OrderedMap.prototype.__iterate = function(fn, reverse) { this._list.__iterate(function(entry) { return entry && fn(entry[1], entry[0], this$0); }, reverse); } OrderedMap.prototype.__iterator = function(type, reverse) { return this._list.fromEntrySeq().__iterator(type, reverse); } OrderedMap.prototype.__ensureOwner = function(ownerID) { if (ownerID === this.__ownerID) { return this; } var newMap = this._map.__ensureOwner(ownerID); var newList = this._list.__ensureOwner(ownerID); if (!ownerID) { this.__ownerID = ownerID; this._map = newMap; this._list = newList; return this; } return makeOrderedMap(newMap, newList, ownerID, this.__hash); } OrderedMap.prototype.wasAltered = function() { return this._map.wasAltered() || this._list.wasAltered(); } OrderedMap.prototype.remove = function(k) { return updateOrderedMap(this, k, NOT_SET); } OrderedMap.prototype.__ensureOwner(ownerID) { var newMap = this._map.__ensureOwner(ownerID); var newList = this._list.__ensureOwner(ownerID); var newList = this._list; var oldList = this._list; var oldRoot = this._root; var oldTail = this._tail; var oldTailOffset = this._tailOffset; var newOrigin = newOrigin || oldOrigin; var newTailOffset = newTailOffset || oldTailOffset; var newLevel = SHIFT; var newRoot = oldRoot; var newTail = newTail && newTail.removeBefore(owner, oldOrigin, oldLevel - offsetShift); if (newOrigin > oldOrigin || newTailOffset < oldTailOffset) { offsetShift = 0; } // Identify the new top root node of the subtree of the old root.
while (newRoot) { var varBeginIndex = (newOrigin >> newLevel) & MASK; if (varBeginIndex !== (newTailOffset >>> newLevel) & MASK) { break; } if (varBeginIndex) { var varMaxSize = 0; for (var ii = 0; ii < iterables.length; ii++) { var value = iterables[ii]; var iter = IndexedIterable(value); if (iter.size > maxSize) { maxSize = iter.size; } } if (!isIterable(value)) { iter = iter.map(function(v) { return fromJS(v) }); } } } OrderedMap.prototype.toString = function() { return this.__toString('OrderedMap {', '}'); } OrderedMap.prototype.__iterate = function(fn, reverse) { this._list.__iterate(function(entry) { return entry && fn(entry[1], entry[0], this$0); }, reverse); } OrderedMap.prototype.__iterator = function(type, reverse) { return this._list.fromEntrySeq().__iterator(type, reverse); } OrderedMap.prototype.__ensureOwner = function(ownerID) { if (ownerID === this.__ownerID) { return this; } var newMap = this._map.__ensureOwner(ownerID); var newList = this._list.__ensureOwner(ownerID); if (!ownerID) { this.__ownerID = ownerID; this._map = newMap; this._list = newList; return this; } return makeOrderedMap(newMap, newList, ownerID, this._hash); } OrderedMap.prototype.remove = function(k) { return updateOrderedMap(this, k, NOT_SET); } OrderedMap.prototype.wasAltered = function() { return this._map.wasAltered() || this._list.wasAltered(); } OrderedMap.prototype.__ensureOwner(ownerID) { var newMap = this._map.__ensureOwner(ownerID); var newList = this._list.__ensureOwner(ownerID); var newList = this._list; var oldList = this._list; var oldRoot = this._root; var oldTail = this._tail; var oldTailOffset = this._tailOffset; var newOrigin = newOrigin || oldOrigin; var newTailOffset = newTailOffset || oldTailOffset; var newLevel = SHIFT; var newRoot = oldRoot; var newTail = newTail && newTail.removeBefore(owner, oldOrigin, oldLevel - offsetShift); if (newOrigin > oldOrigin || newTailOffset < oldTailOffset) { offsetShift = 0; } // Identify the new top root node of the subtree of the old root.
while (newRoot) { var varBeginIndex = (newOrigin >> newLevel) & MASK; if (varBeginIndex !== (newTailOffset >>> newLevel) & MASK) { break; } if (varBeginIndex) { var varMaxSize = 0; for (var ii = 0; ii < iterables.length; ii++) { var value = iterables[ii]; var iter = IndexedIterable(value); if (iter.size > maxSize) { maxSize = iter.size; } } if (!isIterable(value)) { iter = iter.map(function(v) { return fromJS(v) }); } } } OrderedMap.prototype.toString = function() { return this.__toString('OrderedMap {', '}'); } OrderedMap.prototype.__iterate = function(fn, reverse) { this._list.__iterate(function(entry) { return entry && fn(entry[1], entry[0], this$0); }, reverse); } OrderedMap.prototype.__iterator = function(type, reverse) { return this._list.fromEntrySeq().__iterator(type, reverse); } OrderedMap.prototype.__ensureOwner = function(ownerID) { if (ownerID === this.__ownerID) { return this; } var newMap = this._map.__ensureOwner(ownerID); var newList = this._list.__ensureOwner(ownerID); if (!ownerID) { this.__ownerID = ownerID; this._map = newMap; this._list = newList; return this; } return makeOrderedMap(newMap, newList, ownerID, this._hash); } OrderedMap.prototype.remove = function(k) { return updateOrderedMap(this, k, NOT_SET); } OrderedMap.prototype.wasAltered = function() { return this._map.wasAltered() || this._list.wasAltered(); } OrderedMap.prototype.__ensureOwner(ownerID) { var newMap = this._map.__ensureOwner(ownerID); var newList = this._list.__ensureOwner(ownerID); var newList = this._list; var oldList = this._list; var oldRoot = this._root; var oldTail = this._tail; var oldTailOffset = this._tailOffset; var newOrigin = newOrigin || oldOrigin; var newTailOffset = newTailOffset || oldTailOffset; var newLevel = SHIFT; var newRoot = oldRoot; var newTail = newTail && newTail.removeBefore(owner, oldOrigin, oldLevel - offsetShift); if (newOrigin > oldOrigin || newTailOffset < oldTailOffset) { offsetShift = 0; } // Identify the new top root node of the subtree of the old root.
while (newRoot) { var varBeginIndex = (newOrigin >> newLevel) & MASK; if (varBeginIndex !== (newTailOffset >>> newLevel) & MASK) { break; } if (varBeginIndex) { var varMaxSize = 0; for (var ii = 0; ii < iterables.length; ii++) { var value = iterables[ii]; var iter = IndexedIterable(value); if (iter.size > maxSize) { maxSize = iter.size; } } if (!isIterable(value)) { iter = iter.map(function(v) { return fromJS(v) }); } } }
get: function() {
  return this.get(name);
},
set: function(value) {
  invariant(this.__ownerID,
    'Cannot set on an immutable record.');
  this.set(name, value);
  return this;
},

// @pragma Construction

function Set(value) {
  invariant(this.__ownerID,
    'Cannot set on an immutable record.');
  this.set(name, value);
}

createClass(Set,
  SetCollection);

  // @pragma Construction

  function Set(value) {
    return value === null || value ===
      undefined ? emptySet() :
        isSet(value) && !isOrdered(value) ? value :

      emptySet().withMutations(function(set ) {
        var iter = SetIterable(value);
        assertNotInfinite(iter.size);
        iter.forEach(function(v ) {return set.add(v)});
      });

    Set.of = function(/*...values*/) {
      return this(arguments);
    };

    Set.fromKeys = function(value) {
      return this(KeyedIterable(value).keySeq());
    };

    Set.prototype.toString = function() {
      return this.__toString('Set {', '}');
    };

    // @pragma Access

    Set.prototype.has = function(value) {
      return this._map.has(value);
    };

    // @pragma Modification

    Set.prototype.union = function() {var iters = SLICE$0.call(arguments, 0);
      iters = iters.filter(function(x ) {return x.size !== 0});
      if (iters.length === 0) {
        return this;
      }
      if (this.size === 0 && !this.__ownerID && iters.length === 1) {
        return return this.constructor(iter[0]);
      }
      return this.withMutations(function(set ) {
        for (var ii = 0; ii < iters.length; ii++) {
          SetIterable(iters[ii]).forEach(function(value ) {return set.add(value)});
        }
      });

    Set.prototype.intersect = function() {var iters = SLICE$0.call(arguments, 0);
      if (iters.length === 0) {
        return this;
      }
      iters = iters.map(function(iter ) {return SetIterable(iter)});
      var originalSet = this;
      return this.withMutations(function(set ) {
        originalSet.forEach(function(value ) {
          if (!iters.every(function(iter ) {return iter.includes(value)})) {
            set.remove(value);
          }
        });
      });

    Set.prototype.subtract = function() {var iters = SLICE$0.call(arguments, 0);
      if (iters.length === 0) {
        return this;
      }
      iters = iters.map(function(iter ) {return SetIterable(iter)});
      var originalSet = this;
      return this.withMutations(function(set ) {
        originalSet.forEach(function(value ) {
          if (iters.some(function(iter ) {return iter.includes(value)})) {
            set.remove(value);
          }
        });
      });

    Set.prototype.merge = function() {
      return this.union.apply(this, arguments);
    };

    Set.prototype.mergeWith = function(merger) {var iters = SLICE$0.call(arguments, 1);
      return this.union.apply(this, iters);
    };

    Set.prototype.sort = function(comparator) {
      // Late binding
      return OrderedSet(sortFactory(this, comparator));
    };

    Set.prototype.sortBy = function(mapper, comparator) {
      // Late binding
      return OrderedSet(sortFactory(this, comparator, mapper));
    };

    Set.prototype.wasAltered = function() {
      return this._map.wasAltered();
    };

    Set.prototype.__iterate = function(fn, reverse) {var
      this$0 = this;
      return this._map.__iterate(function(_, k)  {return fn(k, k, this$0)}, reverse);
    };

    Set.prototype.__iterator = function(type, reverse) {
      return this._map.map(function(_, k)  {return
        k}).__iterator(type, reverse);
    };

    Set.prototype.__ensureOwner = function(ownerID) {
      if (ownerID
        !== this.__ownerID) {
        return return this;
      }
      var newMap = this._map._ensureOwner(ownerID);
      if (typeof ownerID
        !== 'undefined') {
        if (newMap == this._map)
          return this;
        this._map = newMap;
        return this;
      }
      return this._map.make(newMap, ownerID);
    };

    function updateSet(set, newMap) {
      if (set.__ownerID
        !== newMap.size) {
        set.map = newMap;
        return newMap;
      }
      return newMap.size === 0 ? set._empty() :
        set._make(newMap);
    };

    function makeSet(map, ownerID) {
      var set = Object.create(SetPrototype);
      set.size = map ? map.size : 0;
      set._map = map;
      set._ownerID = ownerID;
      return set;
    };

    function emptySet() {
      return EMPTY_SET || (EMPTY_SET = makeSet(emptyMap()));
    };
createClass(OrderedSet, Set);

    // @pragma Construction

    function OrderedSet(value) {
      return value === null || value === undefined ? emptyOrderedSet() :
        isOrderedSet(value) ? value :
          emptyOrderedSet().withMutations(function(set) {
            var iter = SetIterable(value);
            iter.forEach(function(v) {return set.add(v)});
          });
    }

    OrderedSet.of = function/*...values*/() {
      return this(arguments/* */);
    }

    OrderedSet.prototype.toString = function() {
      return this._toString('OrderedSet {', '}');
    }

    function isOrderedSet(maybeOrderedSet) {
      return isSet(maybeOrderedSet) && isOrdered(maybeOrderedSet);
    }

    OrderedSet.isOrderedSet = isOrderedSet;

    var OrderedSetPrototype = OrderedSet.prototype;
    OrderedSetPrototype[IS_ORDERED_SENTINEL] = true;

    OrderedSetPrototype.__empty = emptyOrderedSet;
    OrderedSetPrototype.__make = makeOrderedSet;

    function makeOrderedSet(map, ownerID) {
      var set = Object.create(OrderedSetPrototype);
      set.size = map ? map.size : 0;
      set._map = map;
      set.__ownerID = ownerID;
      return set;
    }

    // @pragma Iteration

    OrderedSet.prototype.__iterate = function(fn, reverse) {
      if (reverse) {
        return this.reverse().__iterate(fn);
      }
    }

    // @pragma Mutability

    OrderedSet.prototype.__ensureOwner = function(ownerID) {
      if (ownerID === this.__ownerID) {
        return this;
      }
      if (!ownerID) {
        this.__ownerID = ownerID;
        this.__altered = false;
        return this;
      }
      return makeOrderedSet(this.size, this._head, ownerID, this.__hash);
    }

    // @pragma Access

    Stack.prototype.get = function(index, notSetValue) {
      var head = this._head;
      index = wrapIndex(this, index);
      while (head && index--) {
        head = head.next;
      }
      return head ? head.value : notSetValue;
    }

    Stack.prototype.peek = function() {
      return this._head ? this._head.value : undefined;
    }

    Stack.prototype.push = function/*...values*/() {
      if (arguments.length === 0) {
        return this;
      }
      var newSize = this.size + arguments.length;
      var head = this._head;
      for (var ii = arguments.length - 1; ii >= 0; ii--) {
        head = {
          value: arguments[ii],
          next: head
        };
      }
      if (this.__ownerID) {
        this.size = newSize;
        this._head = head;
        this.__hash = undefined;
        this.__altered = true;
        return this;
      }
      return makeStack(newSize, head);
    }

    Stack.prototype.pop = function() {
      return this.slice(1);
    }

    Stack.prototype.pushAll = function(iter) {
      return this.push.apply(this, arguments);
    }

    Stack.prototype.shift = function() {
      return this.pop.apply(this, arguments);
    }

    Stack.prototype.clear = function() {
      if (this.size === 0) {
        return this;
      }
      if (this.__ownerID) {
        this.size = 0;
        this._head = undefined;
        this.__hash = undefined;
        this.__altered = true;
        return this;
      }
      return emptyStack();
    }

    Stack.prototype.slice = function(begin, end) {
      if (wholeSlice(begin, end, this.size)) {
        return this;
      }
      var resolvedBegin = resolveBegin(begin, this.size);
      var resolvedEnd = resolveEnd(end, this.size);
      if (resolvedEnd !== this.size) {
        return super.slice(begin, end);
      }
      return IndexedCollection.prototype.slice.call(this, begin, end);
    }

    var resolvedBegin = resolveBegin(begin, this.size);
    var resolvedEnd = resolveEnd(end, this.size);
    if (resolvedEnd !== this.size) {
      return super.slice(begin, end);
    }
    return IndexedCollection.prototype.slice.call(this, begin, end);
  }

  // @pragma Access

  function isStack(value) {
    return isSet(value) && isStack(value);
  }

  Stack.isStack = isStack;

  var StackPrototype = Stack.prototype;

  function Stack(value) {
    return value === null || value === undefined ? emptyStack() :
      isStack(value) ? value :
        emptyStack().unshiftAll(value);
    }

    Stack.of = function/*...values*/() {
      return this(arguments/* */);
    }

    Stack.prototype.toString = function() {
      return this.__toString('Stack [', ']');
    }

    Stack.prototype.__iterate = function(fn, reverse) {
      if (reverse) {
        return this.reverse().__iterate(fn);
      }
    }

    // @pragma Construction

    function Stack(value) {
      return value === null || value === undefined ? emptyStack() :
        isStack(value) ? value :
        emptyStack().unshiftAll(value);
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    }

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      return this(arguments/* */);
    }

    Stack.prototype.toString = function() {
      return this.__toString('Stack [', ']');
    }

    Stack.prototype.__iterate = function(fn, reverse) {
      if (reverse) {
        return this.reverse().__iterate(fn);
      }
    }
iter.isSubset === 'function' ? iter : Iterable(iter);

return iter.isSubset(this);

keyOf: function(searchValue) {
  return this.findKey(function(value) { return is(value, searchValue); });
}

keySeq: function() {
  return this.toSeq().map(keyMapper).toIndexedSeq();
}

last: function() {
  return lastKeyOf: function(searchValue) {
    return firstOf: function() {
      return this.toKeyedSeq().reverse().keyOf(searchValue);
    },

    max: function(comparator) {
      return maxFactory(this, comparator);
    },

    maxBy: function(comparator, mapper) {
      return maxFactory(this, comparator, mapper);
    },

    min: function(comparator) {
      return minFactory(this, comparator);
    },

    minBy: function(comparator, mapper) {
      return minFactory(this, comparator, mapper);
    },

    rest: function() {
      return this.slice(1);
    },

    skip: function(amount) {
      return this.slice(Math.max(0, amount));
    },

    skipLast: function(amount) {
      return this.toSeq().reverse().skip(amount).reverse();
    },

    skipWhile: function(predicate, context) {
      return this.skipWhile(predicate, context);
    },

    skipUntil: function(predicate, context) {
      return this.skipUntil(predicate, context);
    },

    sort: function(mapper) {
      return this.sort().map(mapper);
    },

    sortBy: function(mapper) {
      return this.sortBy(mapper);
    },

    take: function(amount) {
      return this.slice(0, Math.max(0, amount));
    },

    takeLast: function(amount) {
      return this.takeLast(amount);
    },

    takeWhile: function(predicate, context) {
      return this.takeWhile(predicate, context);
    },

    takeUntil: function(predicate, context) {
      return this.takeUntil(predicate, context);
    },

    valueSeq: function() {
      return this.toSeq();
    },

    // ### Hashable Object

    hashCode: function() {
      return this.__hash || (this.__hash = hashIterable(this));
    }

    // ### Internal

    // abstract __iterate(fn, reverse)

    // abstract __iterator(type, reverse)
  });

  // var IS_ITERABLE_SENTINEL = '@@__IMMUTABLE_ITERABLE__@@';
  // var IS_KEYED_SENTINEL = '@@__IMMUTABLE_KEYED__@@';
  // var IS_INDEXED_SENTINEL = '@@__IMMUTABLE_INDEXED__@@';
  // var IS_ORDERED_SENTINEL = '@@__IMMUTABLE_ORDERED__@@';

  var IterablePrototype = Iterable.prototype;

  // abstract __iterate(fn, reverse)
  // abstract __iterator(type, reverse)
  var IS_ITERABLE_SENTINEL = '@@__IMMUTABLE_ITERABLE__@@';
  var IS_KEYED_SENTINEL = '@@__IMMUTABLE_KEYED__@@';
  var IS_INDEXED_SENTINEL = '@@__IMMUTABLE_INDEXED__@@';
  var IS_ORDERED_SENTINEL = '@@__IMMUTABLE_ORDERED__@@';

  var IterablePrototype = new IterativeCollectionImpl();

  var IterablePrototype = Iterable.prototype;

  // ### Conversion to other types

  toKeyedSeq: function() {
    return new ToKeyedSequence(this, false);
  },

  // ### ES6 Collection methods (ES6 Array and Map)

  filter: function(predicate, context) {
    return filterFactory(this, predicate, context);
  },

  findIndex: function(predicate, context) {
    var key = this.keyOf(predicate);
    return key === undefined ? -1 : key;
  },

  indexOf: function(searchValue) {
    return this.keyOf(searchValue);
  },

  lastIndexOf: function(searchValue) {
    return this.toKeyedSeq().reverse().lastIndexOf(searchValue);
  },

  reverse: function(mapper) {
    return reverseFactory(mapper);
  },

  slice: function(begin, end) {
    return sliceFactory(begin, end);
  },

  splice: function(index, removeNum /*, ...values*/) {
    return spliceFactory(index, removeNum /*, ...values*/);
  },

  // ### More sequential methods

  // abstract __iterate(fn, reverse)
  // abstract __iterator(type, reverse)
  flip: function() {
    return flipFactory(this);
  },

  mapEntries: function(mapper, context) {
    return mapEntriesFactory(mapper, context);
  },

  mapKeys: function(mapper, context) {
    return mapKeysFactory(mapper, context);
  },

  findEntry: function(predicate, context) {
    return findEntryFactory(predicate, context);
  },

  findEntry: function(predicate, context) {
    return findEntryFactory(predicate, context);
  },

  return new ToKeyedSequence(this, false);
},

// ES6 Collection methods (ES6 Array and Map)

filter: function(predicate, context) {
  return filterFactory(this, predicate, context);
},

findIndex: function(predicate, context) {
  var entry = this.findEntry(predicate, context);
  return entry ? entry[0] : -1;
},

indexOf: function(searchValue) {
  return this.keyOf(searchValue);
},

lastIndexOf: function(searchValue) {
  return this.toKeyedSeq().reverse().lastIndexOf(searchValue);
},

reverse: function(mapper) {
  return reverseFactory(mapper);
},

slice: function(begin, end) {
  return sliceFactory(begin, end);
},

splice: function(index, removeNum /*, ...values*/) {
  return spliceFactory(index, removeNum /*, ...values*/);
},

var numArgs = arguments.length;

var removeNum = Math.max(removeNum | 0, 0);

if (numArgs === 0 ||
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```javascript
function isFunction(value) {
  if (!isObject(value)) {
    return false;
  }
  // The use of `Object#toString` avoids issues with the `typeof` operator
  // in Safari 9 which returns 'object' for typed arrays and other constructors.
  var tag = baseGetTag(value);
  return tag === functionTag;
}

module.exports = isFunction;
```

Recursively compare arrays (susceptible to call stack limits). \n if (seen) { \n \n if (!arraySome(other, function(othValue, othIndex) { \n \n if (!cacheHas(seen, othIndex) &\n \n arrValue === othValue ||
 equalFunc(arrValue, othValue, bitmask, customizer, stack)) { \n \n return push(othIndex); \n } \n })} { \n \n result = false; \n \n break; \n } \n } else if (!([!arrValue === othValue ||
 equalFunc(arrValue, othValue, bitmask, customizer, stack) \n \n })} { \n \n result = false; \n \n break; \n }

\n \n stack[\'delete\'](array); \n \n stack[\'delete\'](other); \n \n return result; \n \n module.exports =

```javascript
function arraySome(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length;

  while (++index < length) {
    if (predicate(array[index], index, array)) {
      return true;
    }
  }
  return false;
}
```

```
module.exports = arraySome;
```

```javascript
if (seen) {
  if (!arraySome(other,
function(othValue, othIndex) {
            if (!cacheHas(seen, othIndex) &&
                (arrValue === othValue ||
                equalFunc(arrValue, othValue, bitmask, customizer, stack))) {
              return seen.push(othIndex);
            }
        })) {
        result = false;
        break;
      }
    } else if (!(
          arrValue === othValue ||
          equalFunc(arrValue, othValue, bitmask, customizer, stack)
        )) {
      result = false;
      break;
    }
  }
```

```
stack[\'delete\'](array);
```
function (err, cb) { this.push(null); cb(err); }

Unshift should *always* be something directly out of read

Readable.prototype.unshift = function (chunk) {
  return readableAddChunk(this, chunk, false);
};

function readableAddChunk(stream, chunk, encoding, addToFront, skipChunkCheck) {
  var state = stream._readableState;
  if (chunk === null) {
    state.reading = false;
    onEofChunk(stream, state);
  } else {
    var er;
    if (!skipChunkCheck)
      er = chunkInvalid(state, chunk);
    if (er) {
      stream.emit('error', er);
    } else if (state.objectMode || chunk && chunk.length > 0) {
      if (typeof chunk !== 'string' && !state.objectMode)
        chunk = _uint8ArrayToBuffer(chunk);
      if (addToFront) {
        if (state.endEmitted)
          stream.emit('error', new Error('stream.unshift() after end event'));
        else
          addChunk(stream, state, chunk, true);
      } else if (state.ended) {
        stream.emit('error', new Error('stream.push() after EOF'));
      } else {
        state.reading = false;
        if (state.decoder && !encoding) {
          chunk = state.decoder.write(chunk);
        } else {
          addChunk(stream, state, chunk, false);
        }
      }
    } else if (!addToFront) {
      state.reading = false;
    }
  }

  return needMoreData(state);
}

function addChunk(stream, state, chunk, addToFront) {
  if (state.flowing && state.length === 0 && !state.sync) {
    stream.emit('data', chunk);
    stream.read(0);
  } else {
    // update the buffer info.
    state.length += state.objectMode ? 1 : chunk.length;
    if (addToFront)
      state.buffer.unshift(chunk); else state.buffer.push(chunk);
    if (state.needReadable)
      emitReadable(stream);
  }

  maybeReadMore(stream, state);
}

function chunkInvalid(state, chunk) {
  var er;
  if (!_isUint8Array(chunk) && typeof chunk !== 'string' && chunk !== undefined && !state.objectMode) {
    er = new TypeError('Invalid non-string/buffer chunk');
  }
  return er;
}

function howMuchToRead(n, state) {
  if (n <= 0 || state.length === 0) return 0;
  if (state.objectMode)
    return 1;
  if (n !== n) {
    // Only flow one buffer at a time
    if (state.flowing && state.length)
      state.buffer.head.data.length;
    else return state.read.length;
  }

  if (n > state.highWaterMark)
    return computeNewHighWaterMark(n, state);
  if (state.ended)
    return 0;

  if (state.objectMode)
    return 1;

  return n;
}

// backwards compatibility
Readable.prototype.setEncoding = function (enc) {
  if (!StringDecoder)
    StringDecoder = require('string_decoder/').StringDecoder;
  this._readableState.decoder = new StringDecoder(enc);
  this._readableState.encoding = enc;
  return this;
};

// Don't raise the hwm > 8MB unfunction
computeNewHighWaterMark(n) {
  n = MAX_HW
  if (n <= MAX_HW) return n;
  else {
    // Get the next highest power of 2 to prevent increasing hwm excessively in
    // tiny amounts
    n >>> 2; n |= n >>> 4; n |= n >>> 8; n |= n >>> 16;
    n += n;
    function (err, cb) { this.push(null); cb(err); }

    return n;
  }

  // This is work around cases where hwm=0/un
  // such as the repl.  Also, if the push() triggered un// readable event, and the user called read(largeNumber) such
  // that un// needReada
  // was set, then we ought to push more, so that another/un// readable' event will be
  // triggered/unfunction
  needMoreData(state) {
    return state.ended && (state.needReadable); state.length <
  state.highWaterMark || state.length === 0;}

  function (err, cb) { this.push(null); cb(err); }

  return n;
}

// If we're asking for more than the current hwm, then
raise the hwm.
if (n > state.highWaterMark) state.highWaterMark = computeNewHighWaterMark(n);
if (n <= state.highWaterMark) return n;

// Don't have enough
if (!state.ended)
  state.needReada
  return 0;

// callback
}
return state.length;
}

// you can override either this method, or the async _read(n)
below:
Readable.prototype.read = function (n) {
  var nOrig = n;
  if (n !== 0) state.emittedReadable = false;
  var state = this._readableState;
  n = parseInt(n, 10);
  var var state =
  this._readableState;
  var nOrig = n;
  if (n !== 0) state.emittedReadable = false;
  n = howMuchToRead(n, state);
  // if we've ended, and we're now clear, then finish it up.
  if (n !== 0 && state.ended) {
    endReadable(this);
    return null;
  }

  n = howMuchToRead(n, state);

  // if we need a readable event, then we need to do some reading.
  var doRead = state.needReadable;

  // if we currently have less than the highWaterMark,
  then also read some
  if (state.length === 0 || state.length - n < state.highWaterMark) {
    doRead = true;
  }

  state.ended = true;

  // emit 'readable' now to make sure it gets picked up.
  emitReadable(state.readable);
}

// Don't emit readable right away in sync mode, because this can trigger
// another _read(n) call, in which case
// if we're not ended, or reading, and the length < hwm,
// then go
// as soon as we *do* get something into the buffer.
// If we tried to read() past the EOF, then emit end on the next tick.
if (nOrig !== n && state.ended) endReadable(state.readable);

// at this point, the user has presumably seen the 'readable' event,
// and called read() to consume some data.
// that may have triggered
// in turn another _read(n) call, in which case
// it might trigger
// a nextTick recursion warning, but that's not so bad.

// Don't emit readable right away in sync mode, because this can trigger
// another _read() call, which
// if we're not ended, or reading, and the length < hwm,
// then go
// ahead and try to read some more preemptively.

// if (!state.ended) state.readable = true;
// If we tried to read() past the EOF, then emit end on the next tick.
if (nOrig !== n && state.ended) endReadable(state.readable);

// at this point, the user has presumably seen the 'readable' event,
// and called read() to consume some data.
// that may have triggered
// in turn another _read(n) call, in which case
// it might trigger
// a nextTick recursion warning, but that's not so bad.

// Don't emit readable right away in sync mode, because this can trigger
// another _read() call, which
// if we're not ended, or reading, and the length < hwm,
// then go
// ahead and try to read some more preemptively.
state.length;\n }\n state.readingMore = false;\n}\n\n// abstract method. to be overridden in specific implementation
classes.\n// call cb(er, data) where data is <= n in length.\n// for virtual (non-string, non-buffer) streams, \"length\" is
somewhat\n// arbitrary, and perhaps not very meaningful.\nReadable.prototype._read = function (n) {\n
this.emit('error', new Error('_read() is not implemented'));\n};\n\nReadable.prototype.pipe = function (dest,
pipeOpts) {\n var src = this;\n var state = this._readableState;\n\n switch (state.pipesCount) {\n case 0:\n
state.pipes = dest;\n
break;\n case 1:\n
state.pipes = [state.pipes, dest];\n
break;\n default:\n
state.pipes.push(dest);\n
break;\n }\n state.pipesCount += 1;\n debug('pipe count=%d opts=%j',
state.pipesCount, pipeOpts);\n\n var doEnd = (!pipeOpts || pipeOpts.end !== false) && dest !== process.stdout &&
dest !== process.stderr;\n\n var endFn = doEnd ? onend : unpipe;\n if (state.endEmitted) pna.nextTick(endFn);else
src.once('end', endFn);\n\n dest.on('unpipe', onunpipe);\n function onunpipe(readable, unpipeInfo) {\n
debug('onunpipe');\n if (readable === src) {\n
if (unpipeInfo && unpipeInfo.hasUnpiped === false) {\n
unpipeInfo.hasUnpiped = true;\n
cleanup();\n
}\n }\n }\n\n function onend() {\n debug('onend');\n
dest.end();\n }\n\n // when the dest drains, it reduces the awaitDrain counter\n // on the source. This would be
more elegant with a .once()\n // handler in flow(), but adding and removing repeatedly is\n // too slow.\n var
ondrain = pipeOnDrain(src);\n dest.on('drain', ondrain);\n\n var cleanedUp = false;\n function cleanup() {\n
debug('cleanup');\n // cleanup event handlers once the pipe is broken\n dest.removeListener('close', onclose);\n
dest.removeListener('finish', onfinish);\n dest.removeListener('drain', ondrain);\n dest.removeListener('error',
onerror);\n dest.removeListener('unpipe', onunpipe);\n src.removeListener('end', onend);\n
src.removeListener('end', unpipe);\n src.removeListener('data', ondata);\n\n cleanedUp = true;\n\n // if the
reader is waiting for a drain event from this\n // specific writer, then it would cause it to never start\n // flowing
again.\n // So, if this is awaiting a drain, then we just call it now.\n // If we don't know, then assume that we are
waiting for one.\n if (state.awaitDrain && (!dest._writableState || dest._writableState.needDrain)) ondrain();\n
}\n\n // If the user pushes more data while we're writing to dest then we'll end up\n // in ondata again. However, we
only want to increase awaitDrain once because\n // dest will only emit one 'drain' event for the multiple writes.\n //
=> Introduce a guard on increasing awaitDrain.\n var increasedAwaitDrain = false;\n src.on('data', ondata);\n
function ondata(chunk) {\n debug('ondata');\n increasedAwaitDrain = false;\n var ret = dest.write(chunk);\n
if (false === ret && !increasedAwaitDrain) {\n
// If the user unpiped during `dest.write()`, it is possible\n
// to
get stuck in a permanently paused state if that write\n
// also returned false.\n
// => Check whether `dest` is
still a piping destination.\n
if ((state.pipesCount === 1 && state.pipes === dest || state.pipesCount > 1 &&
indexOf(state.pipes, dest) !== -1) && !cleanedUp) {\n
debug('false write response, pause',
src._readableState.awaitDrain);\n
src._readableState.awaitDrain++;\n
increasedAwaitDrain = true;\n
}\n
src.pause();\n }\n }\n\n // if the dest has an error, then stop piping into it.\n // however, don't suppress the
throwing behavior for this.\n function onerror(er) {\n debug('onerror', er);\n unpipe();\n
dest.removeListener('error', onerror);\n if (EElistenerCount(dest, 'error') === 0) dest.emit('error', er);\n }\n\n //
Make sure our error handler is attached before userland ones.\n prependListener(dest, 'error', onerror);\n\n // Both
close and finish should trigger unpipe, but only once.\n function onclose() {\n dest.removeListener('finish',
onfinish);\n unpipe();\n }\n dest.once('close', onclose);\n function onfinish() {\n debug('onfinish');\n
dest.removeListener('close', onclose);\n unpipe();\n }\n dest.once('finish', onfinish);\n\n function unpipe() {\n
debug('unpipe');\n src.unpipe(dest);\n }\n\n // tell the dest that it's being piped to\n dest.emit('pipe', src);\n\n //
start the flow if it hasn't been started already.\n if (!state.flowing) {\n debug('pipe resume');\n src.resume();\n
}\n\n return dest;\n};\n\nfunction pipeOnDrain(src) {\n return function () {\n var state = src._readableState;\n
debug('pipeOnDrain', state.awaitDrain);\n if (state.awaitDrain) state.awaitDrain--;\n if (state.awaitDrain === 0
&& EElistenerCount(src, 'data')) {\n
state.flowing = true;\n
flow(src);\n }\n
};\n}\n\nReadable.prototype.unpipe = function (dest) {\n var state = this._readableState;\n var unpipeInfo = {
hasUnpiped: false };\n\n // if we're not piping anywhere, then do nothing.\n if (state.pipesCount === 0) return
this;\n\n // just one destination. most common case.\n if (state.pipesCount === 1) {\n // passed in one, but it's not
the right one.\n if (dest && dest !== state.pipes) return this;\n\n if (!dest) dest = state.pipes;\n\n // got a
match.\n state.pipes = null;\n state.pipesCount = 0;\n state.flowing = false;\n if (dest) dest.emit('unpipe', this,

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list
ret = fromListPartial(n, state.buffer, state.decoder);
} return ret;

// Extracts only enough buffered data to satisfy the amount requested.
// This function is designed to be inlinable, so please take care when
// making changes to the function body.
function fromListPartial(n, list, hasStrings) {
  var ret;
  if (n < list.head.data.length) {
    var ret = list.head.data.slice(0, n);
    list.head.data = list.head.data.slice(n);
  } else if (n == list.head.data.length) {
    if (list.head == null) {
      ret = list.shift();
    } else {
      ret = list.shift();
    }
  }
  return ret;
}

// Extracts only enough buffered data to satisfy the amount requested.
// This function is designed to be inlinable, so please take care when
// making changes to the function body.
function fromListPartial(n, list, hasStrings) {
  var ret;
  if (n < list.head.data.length) {
    var ret = list.head.data.slice(0, n);
  } else if (n == list.head.data.length) {
    ret = list.shift();
  }
  return ret;
}

// Copies a specified amount of characters from the list of buffered data chunks.
// This function is designed to be inlinable, so please take care when
// making changes to the function body.
function copyFromBufferString(n, list) {
  var ret = list.shift();
  return ret;
}

// Copies a specified amount of bytes from the list of buffered data chunks.
// This function is designed to be inlinable, so please take care when
// making changes to the function body.
function copyFromBuffer(n, list) {
  var ret = Buffer.allocUnsafe(n);
  list.forEach(function (p) {
    p.data.copy(ret, ret.length - p.data.length);
    ret.length += p.data.length;
    p.data = null;
  });
  return ret;
}

function endReadable(stream) {
  var state = stream._readableState;
  if (state.length > 0) throw new Error('endReadable() called on non-empty stream');
  if (!state.endEmitted) {
    state.ended = true;
    pna.nextTick(endReadableNT, state, stream);
  }
}

function endReadableNT(state, stream) {
  if (state.length === 0) {
    state.endEmitted = true;
    stream.readable = false;
    stream.emit('end');
  }
}

function indexOf(xs, x) {
  for (var i = 0, l = xs.length; i < l; i++) {
    if (xs[i] === x) return i;
  }
  return -1;
}

module.exports = {
  destroy: destroy,
  undestroy: undestroy
};

module.exports = {
  destroy: destroy,
  undestroy: undestroy
};
buf.toString('utf16le', i, buf.length - 1);
}

// For UTF-16LE we do not explicitly append special replacement
}
    }
    return r;
  }
  this.lastNeed = 1;
  this.lastTotal = 2;
  this.lastChar[0] = buf[buf.length - 1];
  return
this.lastChar[0] = buf[buf.length - 2];
        this.lastChar[1] = buf[buf.length - 1];
        return r.slice(0, -1);

1);
      if (c >= 0xD800 && c <= 0xDBFF) {
        this.lastNeed = 2;
        this.lastTotal = 4;

((buf.length - i) % 2 === 0) {
    var r;
    var i;
    if (this.lastNeed) {<text class="highlight">r = this.fillLast(buf, i);
    if (r === undefined) return "\n    i = this.lastNeed;
    this.lastNeed = 0; \n    return this.lastChar.toString(this.encoding, 0, this.lastTotal);</text>
} buf.copy(this.lastChar, this.lastTotal - this.lastNeed, 0);

buf.copy(this.lastChar, this.lastTotal - this.lastNeed);<text class="highlight">return this.lastChar.toString(this.encoding, 0, this.lastTotal);</text>

} buf.copy(this.lastChar, this.lastTotal - this.lastNeed);

return this.lastChar.toString(this.encoding, 0, this.lastTotal);

}

var r;
var i;
if (this.lastNeed) {
    r = this.fillLast(buf);
    if (r === undefined) return '';
    i = 0;
}

if (i < buf.length) return r ? r + this.text(buf, i) : this.text(buf, i);

</text>
characters if we\n// end on a partial character, we simply let v8 handle that.\nfunction utf16End(buf) {\n  var r = buf \n  && buf.length ? this.write(buf) : ''; \n  if (this.lastNeed) {\n    var n = (buf.length - i) \n    % 3; \n    if (n === 0) return buf.toString('base64', i); \n  } \n  var r = this.lastTotal - this.lastNeed; \n  this.lastChar.toString('utf16le', 0, end); \n  return r;
} \n
function base64End(buf) {\n  var r = buf && buf.length ? this.write(buf) : ''; \n  if (this.lastNeed) return r + this.lastChar.toString('base64', 0, 3 - \n  this.lastNeed);
} \n
// Pass bytes on through for single-byte encodings (e.g. ascii, latin1, hex)\nfunction simpleWrite(buf) {\n  return buf.toString(this.encoding);
} \n
function simpleEnd(buf) {\n  return buf && buf.length ? this.write(buf) : ''; \n}

// a transform\nstream is a readable/writable stream where you do\n// something with the data.  Sometimes it's called a "filter",\n// but that's not a great name for it, since that implies a thing where\n// some bits pass through, and others are simply\n// ignored.  (That would\n// be a valid example of a transform, of course.)\n// While the output is causally related to\n// the input, it's not\n// necessarily symmetric or synchronous transformation. For example,\n// a zlib stream might\n// take multiple plain-text writes(), and then\n// emit a single compressed chunk some time in the future.\n// Here's how\n// this works:\n
// The Transform stream has all the aspects of the readable and writable\n// stream classes. When you write(chunk), that calls _write(chunk,cb)\n// internally, and returns false if there's a lot of pending\n// writes buffered up. When you call read(), that calls _read(n) until\n// there's enough pending readable data\n// buffered up.\n
// In a transform stream, the written data is placed in a buffer. When\n// _read(n) is called, it\n// transforms the queued up data, calling the\n// buffered _write cb's as it consumes chunks. If consuming a single\n// written chunk would result in multiple output chunks, then the first\n// outputted bit calls the readcb, and subsequent\n// chunks just go into the read buffer, and will cause it to emit 'readable' if necessary.\n
// This way, back-\n// pressure is actually determined by the reading side, since _read has to be called to start processing a new chunk.\n
// a pathological inflating\n// mechanism, there'd be no way to tell the\n// system to stop doing the transform. A single 4MB write could\n// cause the system to run out of memory.\n
// However, even in such a pathological case, only a single written chunk\n// would be consumed, and then the rest would wait (un-transformed) until the results of the previous transformed\n// chunk were consumed.\n
var Duplex = require('./_stream_duplex');\nvar util = require('core-util-is');\nutil.inherits = require('inherits');\nvar Module = require('module');\nvar exports = Transform;\n
var var Duplex = require('./_stream_duplex');\nvar util = require('core-util-is');\nutil.inherits = require('inherits');\n
var Module = require('module');\nvar exports = Transform;\n
/*<replacement>*/\nvar util = require('core-util-is');\nutil.inherits = require('inherits');\n/*</replacement>*/

util.inherits(Transform, Duplex);

function afterTransform(er, data) {
  var ts = this._transformState;
  ts.transforming = false;
  var cb = ts.writecb;
  if (!cb) {\n    return this.emit('error', new Error('write callback called multiple times'));\n  }
  ts.writechunk = null;\n  ts.writecb = \n
235\n// module chunks = 0","// 22.1.3.31 Array.prototype[@@unscopables]\nvar UNSCOPABLES =
require('./_wks')('unscopables');\nvar ArrayProto = Array.prototype;\nif (ArrayProto[UNSCOPABLES] ==
undefined) require('./_hide')(ArrayProto, UNSCOPABLES, {});\nmodule.exports = function (key) {\n
ArrayProto[UNSCOPABLES][key] = true;\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/modules/_add-to-unscopables.js\n// module id = 236\n// module chunks =
0","module.exports = function (done, value) {\n return { value: value, done: !!done };\n};\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/core-js/modules/_iter-step.js\n// module id = 237\n// module chunks =
0","'use strict';\nvar LIBRARY = require('./_library');\nvar global = require('./_global');\nvar ctx =
require('./_ctx');\nvar classof = require('./_classof');\nvar $export = require('./_export');\nvar isObject = require('./_isobject');\nvar aFunction = require('./_a-function');\nvar anInstance = require('./_an-instance');\nvar forOf =
require('./_for-of');\nvar speciesConstructor = require('./_species-constructor');\nvar task = require('./_task').set;\nvar
microtask = require('./_microtask')();\nvar newPromiseCapabilityModule = require('./_new-promisecapability');\nvar perform = require('./_perform');\nvar promiseResolve = require('./_promise-resolve');\nvar
PROMISE = 'Promise';\nvar TypeError = global.TypeError;\nvar process = global.process;\nvar $Promise =
global[PROMISE];\nvar isNode = classof(process) == 'process';\nvar empty = function () { /* empty */ };\nvar
Internal, newGenericPromiseCapability, OwnPromiseCapability, Wrapper;\nvar newPromiseCapability =
newGenericPromiseCapability = newPromiseCapabilityModule.f;\n\nvar USE_NATIVE = !!function () {\n try {\n
// correct subclassing with @@species support\n var promise = $Promise.resolve(1);\n var FakePromise =
(promise.constructor = {})[require('./_wks')('species')] = function (exec) {\n
exec(empty, empty);\n };\n //
unhandled rejections tracking support, NodeJS Promise without it fails @@species test\n return (isNode || typeof
PromiseRejectionEvent == 'function') && promise.then(empty) instanceof FakePromise;\n } catch (e) { /* empty */
}\n}();\n\n// helpers\nvar isThenable = function (it) {\n var then;\n return isObject(it) && typeof (then = it.then) ==
'function' ? then : false;\n};\nvar notify = function (promise, isReject) {\n if (promise._n) return;\n promise._n =
true;\n var chain = promise._c;\n microtask(function () {\n var value = promise._v;\n var ok = promise._s ==
1;\n var i = 0;\n var run = function (reaction) {\n
var handler = ok ? reaction.ok : reaction.fail;\n var
resolve = reaction.resolve;\n
var reject = reaction.reject;\n
var domain = reaction.domain;\n
var result, then,
exited;\n
try {\n
if (handler) {\n
if (!ok) {\n
if (promise._h == 2)
onHandleUnhandled(promise);\n
promise._h = 1;\n
}\n
if (handler === true) result = value;\n
else {\n
if (domain) domain.enter();\n
result = handler(value); // may throw\n
if (domain) {\n
domain.exit();\n
exited = true;\n
}\n
}\n
if (result === reaction.promise) {\n
reject(TypeError('Promise-chain cycle'));\n
} else if (then = isThenable(result)) {\n
then.call(result,
resolve, reject);\n
} else resolve(result);\n
} else reject(value);\n
} catch (e) {\n
if (domain &&
!exited) domain.exit();\n
reject(e);\n
}\n };\n while (chain.length > i) run(chain[i++]); // variable length can't use forEach\n promise._c = [];\n promise._n = false;\n if (isReject && !promise._h)
onUnhandled(promise);\n });\n};\nvar onUnhandled = function (promise) {\n task.call(global, function () {\n var
value = promise._v;\n var unhandled = isUnhandled(promise);\n var result, handler, console;\n if (unhandled)
{\n
result = perform(function () {\n
if (isNode) {\n
process.emit('unhandledRejection', value,
promise);\n
} else if (handler = global.onunhandledrejection) {\n
handler({ promise: promise, reason:
value });\n
} else if ((console = global.console) && console.error) {\n
console.error('Unhandled promise
rejection', value);\n
}\n
});\n
// Browsers should not trigger `rejectionHandled` event if it was handled
here, NodeJS - should\n
promise._h = isNode || isUnhandled(promise) ? 2 : 1;\n } promise._a = undefined;\n
if (unhandled && result.e) throw result.v;\n });\n};\nvar isUnhandled = function (promise) {\n return promise._h
!== 1 && (promise._a || promise._c).length === 0;\n};\nvar onHandleUnhandled = function (promise) {\n
task.call(global, function () {\n var handler;\n if (isNode) {\n
process.emit('rejectionHandled', promise);\n }
else if (handler = global.onrejectionhandled) {\n
handler({ promise: promise, reason: promise._v });\n }\n
});\n};\nvar $reject = function (value) {\n var promise = this;\n if (promise._d) return;\n promise._d = true;\n
promise = promise._w || promise; // unwrap\n promise._v = value;\n promise._s = 2;\n if (!promise._a) promise._a
= promise._c.slice();\n notify(promise, true);\n};\nvar $resolve = function (value) {\n var promise = this;\n var

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res.push(code < 0x10000 ? fromCharCode(code) :
  fromCharCode(((code -= 0x10000) >> 10) + 0xd800, code % 0x400 + 0xdc00));
  }
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.from-code-point.js
// module id = 252
// module chunks = 0,

\"use strict\;

var $export = require('./_export');
var toIObject = require('./_to-iobject');
var toLength = require('./_to-length');

$export($export.S, 'String', {
  // 21.1.2.4 String.raw(callSite, ...substitutions) raw: function
  raw: function(raw) {
    var tpl = toIObject(callSite.raw);
    var len = toLength(tpl.length);
    var aLen = arguments.length;
    var res = [], resLen = 0;
    var i = 0;
    while (len > i) {
      res.push(String(tpl[i++]));
      if (i < aLen) res.push(String(arguments[i]));
    }
    return res.join('');
  }
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.raw.js
// module id = 253
// module chunks = 0,

\"use strict\;

// 21.1.3.25 String.prototype.trim()
$export($export.P, 'String', {
  // 21.1.3.3 String.prototype.codePointAt(pos)
  codePointAt: function(codePointAt) {
    return $at(this, arguments.length > 1 ? arguments[1] : undefined);
  }
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_string-trim.js
// module id = 255
// module chunks = 0,

\"use strict\;

var $export = require('./_export');
var $at = require('./_string-at');
$export($export.P, 'String', {
  // 21.1.3.6 String.prototype.endsWith(searchString [, endPosition])
  endsWith: function endsWith(searchString /* , endPosition = @length */) {
    var that = context(this, searchString, 'endsWith');
    var len = toLength(that.length);
    var search = String(searchString);
    return $endsWith
      ? $endsWith.call(that, search, end)
      : that.slice(end - search.length, end) === search;
  }
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.ends-with.js
// module id = 258
// module chunks = 0,

\"use strict\;

var $export = require('./_export');

$export($export.P, 'String', {
  // 21.1.3.7 String.prototype.includes(searchString, position = 0)
  includes: function includes(searchString /* , position = 0 */) {
    return !!~context(this, searchString, 'includes')
      .indexOf(searchString, arguments.length > 1 ? arguments[1] : undefined);
  }
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.repeat.js
// module id = 260
// module chunks = 0,
RangeError(\"Count can't be negative\")};
  for (n > 0; (n >>= 1) && (str += str)) if (n & 1) res += str;
  return res;
}


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_string-repeat.js
// module id = 261
// module chunks = 0

'use strict';
var $export = require('./_export');
var toLength = require('./_to-length');
var context = require('./_string-context');

var STARTS_WITH = 'startsWith';
var $startsWith = ''[STARTS_WITH];

$export($export.P + $export.F * require('./_fails-is-regexp')(STARTS_WITH), 'String', {
  startsWith: function startsWith(searchString /* , position = 0 */) {
    var that = context(this, searchString, STARTS_WITH);
    var index = toLength(Math.min(arguments.length > 1 ? arguments[1] : undefined, that.length));
    var search = String(searchString);

    return $startsWith ? $startsWith.call(that, search, index) : that.slice(index, index + search.length === search.length);
  }
});


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.anchor.js
// module id = 263
// module chunks = 0

'\n  require('./_string-html')('anchor', function(createHTML) {
    return function anchor(name) {
      return createHTML(this, 'a', 'name', name);
    };
  });


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.bold.js
// module id = 266
// module chunks = 0

'\n  require('./_string-html')('bold', function(createHTML) {
    return function bold() {
      return createHTML(this, 'b', '', '');
    };
  });


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.fixed.js
// module id = 267
// module chunks = 0

'\n  require('./_string-html')('fixed', function(createHTML) {
    return function fixed() {
      return createHTML(this, 'tt', '', '');
    };
  });


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.fontcolor.js
// module id = 268
// module chunks = 0

'\n  require('./_string-html')('fontcolor', function(createHTML) {
    return function fontcolor(color) {
      return createHTML(this, 'font', 'color', color);
    };
  });


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/es6.string.fontsize.js
// module id = 269
// module chunks = 0

'\n  require('./_string-html')('fontsize', function(createHTML) {
    return function fontsize(size) {
      return createHTML(this, 'font', 'size', size);
    };
  });


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require('object-assign');

var ReactBaseClasses = require('./ReactBaseClasses');
var ReactChildren = require('./ReactChildren');
var ReactDOMFactories = require('./ReactDOMFactories');
var ReactElement = require('./ReactElement');
var ReactPropTypes = require('./ReactPropTypes');
var ReactVersion = require('./ReactVersion');
var createReactClass = require('./createClass');
var onlyChild = require('./onlyChild');

var createElement = ReactElement.createElement;
var createFactory = ReactElement.createFactory;

if (process.env.NODE_ENV !== 'production') {
  var warnedForSpread = false;
  var warnedForCreateMixin = false;
  __spread = function () {
    if (canDefineProperty) {
      var mixin = function (mixin) {
        return mixin
      };
    }
  }
}

var React = {
  Children: {
    map: ReactChildren.map,
    forEach: ReactChildren.forEach,
    count: ReactChildren.count,
    toArray: ReactChildren.toArray,
    only: onlyChild
  },

  Component: ReactBaseClasses.Component,
  PureComponent: ReactBaseClasses PureComponent,

  createElement: createElement,
  cloneElement: cloneElement,
  isValidElement: ReactElement.isValidElement,

  // Classic

  PropTypes: ReactPropTypes,
  createClass: createReactClass,
  createFactory: createFactory,
  createMixin: createMixin,

  // This looks DOM specific but these are actually isomorphic helpers
  // since they are just generating DOM strings
  DOM: ReactDOMFactories,

  version: ReactVersion,

  // Deprecated hook for JSX spread, don't use this for anything.
  __spread: __spread
};

if (process.env.NODE_ENV !== 'production') {
  var warnedForCreateClass = false;
  if (canDefineProperty) {
    Object.defineProperty(React, 'PropTypes', {
      get: function () {
        return ReactPropTypes
      }
    });
    Object.defineProperty(React, 'createClass', {
      get: function () {
        return createReactClass
      }
    });
  }

  // React.DOM factories are deprecated. Wrap these methods so that
  // invocations of the React.DOM namespace and alert users to switch
  // to the `react-dom-factories` package.
  React.DOM = {};
  var warnedForFactories = false;
  Object.defineProperty(React, 'warnedForFactories', {
    get: function () {
      return React.DOMFactories
    }
  });

  React.DOM[factory] = function () {
    if (!warnedForFactories) {
      throw new Error('Accessing React.DOM.%s has been deprecated, + and will be removed in v16.0. Use the +react-dom-factories package instead.
    + Version 1.0 provides a drop-in replacement. + For more info, see https://facebook.github.io/react/docs/react-dom-factories.html
  }

  module.exports = React;

  module.chunks = 0,

  LICENSE

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  This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
Warning: 'strict';

/**
 * Forked from fbjs/warning.js
 *
 * Only change is we use console.warn instead of console.error.
 * This really simplifies the code.
 * Similar to invariant but only logs a warning if the condition
 * is not met.
 * This can be used to log issues in development environments in critical paths.
 * Removing the logging code for production environments will keep the same logic and follow the same code paths.
 */

var lowPriorityWarning = function () {};

if (process.env.NODE_ENV !== 'production') {
  var printWarning = function (format) {
    for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
      args[_key - 1] = arguments[_key];
    }

    var argIndex = 0;
    var message = 'Warning: ' + format.replace(/%s/g, function () {
      return args[argIndex++];
    });
    if (typeof console !== 'undefined') {
      console.warn(message);
    }
    try {
      // --- Welcome to debugging React ---
      throw new Error(message);
    } catch (x) {}
  };

  lowPriorityWarning = function (condition, format) {
    if (format === undefined) {
      throw new Error('`warning(condition, format, ...args)` requires a warning message argument');
    }
    if (!condition) {
      printWarning.apply(undefined, [format].concat(args));
    }
  };
}

module.exports = lowPriorityWarning;


function escapeUserProvidedKey(text) {
  return ('' + text).replace(userProvidedKeyEscapeRegex, '$&/');
}

/**
 * PooledClass representing the bookkeeping associated with performing a child traversal. Allows avoiding binding callbacks.
 * @constructor ForEachBookKeeping
 * @param {!function} forEachFunction Function to perform traversal with.
 * @param {?*} forEachContext Context to perform traversal with.
 */
function ForEachBookKeeping(forEachFunction, forEachContext) {
  this.func = forEachFunction;
  this.context = forEachContext;
  this.count = 0;
}

forEachBookKeeping.prototype.destructor = function () {
  this.func = null;
  this.context = null;
  this.count = 0;
};
PooledClass.addPoolingTo(ForEachBookKeeping, twoArgumentPooler);

function forEachSingleChild(bookKeeping, child, name) {
  var func = bookKeeping.func,
      context = bookKeeping.context;

  func.call(context, child, bookKeeping.count++);
}

/**
 * Iterates through children that are typically specified as `props.children`.
 * The provided function will be called for each child in a traversal.
 * Allows avoiding binding callbacks.
 * @constructor MapBookKeeping
 * @param {!*} mapResult Object containing the ordered map of results.
 * @param {!function} mapFunction Function to perform mapping with.
 * @param {?*} mapContext Context to perform mapping with.
 */
function MapBookKeeping(mapResult, keyPrefix, mapFunction, mapContext) {
  this.result = mapResult;
  this.keyPrefix = keyPrefix;
  this.func = mapFunction;
  this.context = mapContext;
  this.count = 0;
}

MapBookKeeping.prototype.destructor = function () {
  this.result = null;
  this.keyPrefix = null;

  mapResult = MapBookKeeping.prototype.destructor = function () {
    this.result = null;
    this.keyPrefix = null;
  };

  var oldMapResult = mapResult;
  mapResult = MapBookKeeping.mapResult;
  mapResult.prototype = MapBookKeeping.prototype;
  mapResult.prototype.destructor = oldMapResult.destructor;
  return mapResult;
};
this.func = null;
this.context = null;
this.count = 0;
PooledClass.addPoolingTo(MapBookKeeping,
 fourArgumentPooler);

function mapSingleChildIntoContext(bookKeeping, child, childKey) {
  var result = bookKeeping.result;
  var keyPrefix = bookKeeping.keyPrefix;
  var func = bookKeeping.func;
  var context = bookKeeping.context;
  var mappedChild = func.call(context, child, bookKeeping.count++);
  if (Array.isArray(mappedChild)) {
    var escapedPrefix = "\";
    if (prefix != null) {
      escapedPrefix = escapeUserProvidedKey(prefix) + ";\";
    }
    var traverseContext = MapBookKeeping.getPooled(array, escapedPrefix, func, context);
    traverseAllChildren(children, mapSingleChildIntoContext, traverseContext);
    MapBookKeeping.release(traverseContext);
  }
}

function mapIntoWithKeyPrefixInternal(children, result, prefix, func, context) {
  var traverseContext = MapBookKeeping.getPooled(array, escapedPrefix, func, context);
  traverseAllChildren(children, mapSingleChildIntoContext, traverseContext);
  MapBookKeeping.release(traverseContext);
}

/**
 * Maps children that are typically specified as
 * 'props.children'.
 *
 * See https://facebook.github.io/react/docs/top-level-api.html#react.children.map
 *
 * The provided mapFunction(child, key, index) will be called for each
 * leaf child.
 *
 * @param {?*} children
 * @param {function(*, int)} func
 * @param {*} context
 * @return {object} Object containing the ordered map of results.
 */
function mapChildren(children, func, context) {
  if (children == null) {
    return children;
  }
  var result = [];
  mapIntoWithKeyPrefixInternal(children, result, null, func, context);
  return result;
}

/**
 * Count the number of
 * children that are typically specified as
 * 'props.children'.
 *
 * See https://facebook.github.io/react/docs/top-level-api.html#react.children.count
 *
 * @param {?*} children
 * @return {number}
 */
function countChildren(children, context) {
  return traverseAllChildren(children,
    forEachSingleChildDummy, null);
}

/**
 * Flatten a children object (typically specified as
 * 'props.children') and
 * return an array with appropriately re-keyed children.
 *
 * See https://facebook.github.io/react/docs/top-level-api.html#react.children.toArray
 */
function toArray(children) {
  var result = [];
  mapIntoWithKeyPrefixInternal(children, result, null, emptyFunction.thatReturnsArgument);
  return result;
}

var ReactChildren = {
  forEach: forEachChildren,
  map: mapChildren,
  mapIntoWithKeyPrefixInternal: mapIntoWithKeyPrefixInternal,
  count: countChildren,
  toArray: toArray
};

module.exports = ReactChildren;
new Klass(a1, a2, a3, a4);
}

var standardReleaser = function (instance) {
  var Klass = this;
  !(instance instanceof Klass) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Trying to release an instance into a pool of a different type.') : _prodInvariant('25') : void 0;
  instance.destructor();
  if (Klass.instancePool.length < Klass.poolSize) {
    Klass.instancePool.push(instance);
  }
};

var standardReleaser = function (instance) {
  var Klass = this;
  !(instance instanceof Klass) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Trying to release an instance into a pool of a different type.') : _prodInvariant('25') : void 0;
  instance.destructor();
  if (Klass.instancePool.length < Klass.poolSize) {
    Klass.instancePool.push(instance);
  }
};

var DEFAULT_POOL_SIZE = 10;

var DEFAULT_POOLER = oneArgumentPooler;

/**
 * Augments `CopyConstructor` to be a poolable class,
 * augmenting only the class
 * giving this may have a `poolSize` property, and will look for
 * a poolable class (statically) not adding any prototypical fields. Any CopyConstructor
 * you
 * @param {Function} CopyConstructor Constructor that can be used to reset.
 * @param {Function} pooler Customizable pooler.
 */
var addPoolingTo = function (CopyConstructor, pooler) {
  // Casting as any so that
  // flow ignores the actual implementation and trusts
  // it to match the type we declared
  var NewKlass = CopyConstructor;
  NewKlass.instancePool = [];
  NewKlass.getPooled = pooler || DEFAULT_POOLER;
  if (!NewKlass.poolSize) {
    NewKlass.poolSize = DEFAULT_POOL_SIZE;
  }
  NewKlass.release = standardReleaser;
  return NewKlass;
};

var PooledClass = {
  addPoolingTo: addPoolingTo,
  oneArgumentPooler: oneArgumentPooler,
  twoArgumentPooler: twoArgumentPooler,
  threeArgumentPooler: threeArgumentPooler,
  fourArgumentPooler: fourArgumentPooler
};

module.exports = PooledClass;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react/lib/PooledClass.js
// module id = 308
// module chunks = 0

/* Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

var ReactCurrentOwner = require('./ReactCurrentOwner');
var REACT_ELEMENT_TYPE = require('./ReactElementSymbol');

var getIteratorFn = require('./getIteratorFn');
var invariant = require('fbjs/lib/invariant');
var KeyEscapeUtils = require('./KeyEscapeUtils');
var warning = require('fbjs/lib/warning');

var SEPARATOR = '.';
var SUBSEPARATOR = ':';

/**
 * Augments `CopyConstructor` to be a poolable class,
 * augmenting only the class
 * giving this may have a `poolSize` property, and will look for
 * a poolable class (statically) not adding any prototypical fields. Any CopyConstructor
 * you
 * @param {Function} CopyConstructor Constructor that can be used to reset.
 * @param {Function} pooler Customizable pooler.
 */
var addPoolingTo = function (CopyConstructor, pooler) {
  // Casting as any so that
  // flow ignores the actual implementation and trusts
  // it to match the type we declared
  var NewKlass = CopyConstructor;
  NewKlass.instancePool = [];
  NewKlass.getPooled = pooler || DEFAULT_POOLER;
  if (!NewKlass.poolSize) {
    NewKlass.poolSize = DEFAULT_POOL_SIZE;
  }
  NewKlass.release = standardReleaser;
  return NewKlass;
};

var PooledClass = {
  addPoolingTo: addPoolingTo,
  oneArgumentPooler: oneArgumentPooler,
  twoArgumentPooler: twoArgumentPooler,
  threeArgumentPooler: threeArgumentPooler,
  fourArgumentPooler: fourArgumentPooler
};

module.exports = PooledClass;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react/lib/PooledClass.js
// module id = 308
// module chunks = 0
step.value;\n
nextName = nextNamePrefix + getComponentKey(child, ii++);\n
subtreeCount +=
traverseAllChildrenImpl(child, nextName, callback, traverseContext);\n
}\n
} else {\n
if
(process.env.NODE_ENV !== 'production') {\n
var mapsAsChildrenAddendum = '';\n
if
(ReactCurrentOwner.current) {\n
var mapsAsChildrenOwnerName =
ReactCurrentOwner.current.getName();\n
if (mapsAsChildrenOwnerName) {\n
mapsAsChildrenAddendum = ' Check the render method of `' + mapsAsChildrenOwnerName + '`.';\n
}\n
}\n
process.env.NODE_ENV !== 'production' ? warning(didWarnAboutMaps, 'Using Maps as children is not
yet fully supported. It is an ' + 'experimental feature that might be removed. Convert it to a ' + 'sequence / iterable of
keyed ReactElements instead.%s', mapsAsChildrenAddendum) : void 0;\n
didWarnAboutMaps = true;\n
}\n
// Iterator will provide entry [k,v] tuples rather than values.\n
while (!(step = iterator.next()).done) {\n
var entry = step.value;\n
if (entry) {\n
child = entry[1];\n
nextName = nextNamePrefix +
KeyEscapeUtils.escape(entry[0]) + SUBSEPARATOR + getComponentKey(child, 0);\n
subtreeCount +=
traverseAllChildrenImpl(child, nextName, callback, traverseContext);\n
}\n
}\n
}\n } else if (type
=== 'object') {\n
var addendum = '';\n
if (process.env.NODE_ENV !== 'production') {\n
addendum = ' If
you meant to render a collection of children, use an array ' + 'instead or wrap the object using
createFragment(object) from the ' + 'React add-ons.';\n
if (children._isReactElement) {\n
addendum = \" It
looks like you're using an element created by a different \" + 'version of React. Make sure to use only one copy of
React.';\n
}\n
if (ReactCurrentOwner.current) {\n
var name =
ReactCurrentOwner.current.getName();\n
if (name) {\n
addendum += ' Check the render method of `' +
name + '`.';\n
}\n
}\n
}\n
var childrenString = String(children);\n
!false ?
process.env.NODE_ENV !== 'production' ? invariant(false, 'Objects are not valid as a React child (found: %s).%s',
childrenString === '[object Object]' ? 'object with keys {' + Object.keys(children).join(', ') + '}' : childrenString,
addendum) : _prodInvariant('31', childrenString === '[object Object]' ? 'object with keys {' +
Object.keys(children).join(', ') + '}' : childrenString, addendum) : void 0;\n }\n }\n\n return
subtreeCount;\n}\n\n/**\n * Traverses children that are typically specified as `props.children`, but\n * might also be
specified through attributes:\n *\n * - `traverseAllChildren(this.props.children, ...)`\n * `traverseAllChildren(this.props.leftPanelChildren, ...)`\n *\n * The `traverseContext` is an optional argument that is
passed through the\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
might find relevant.\n *\n * @param {?*} children Children tree object.\n * @param {!function} callback To invoke
upon traversing each child.\n * @param {?*} traverseContext Context for traversal.\n * @return {!number} The
number of children in this subtree.\n */\nfunction traverseAllChildren(children, callback, traverseContext) {\n if
(children == null) {\n return 0;\n }\n\n return traverseAllChildrenImpl(children, '', callback,
traverseContext);\n}\n\nmodule.exports = traverseAllChildren;\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/react/lib/traverseAllChildren.js\n// module id = 309\n// module chunks = 0","/**\n * Copyright (c)
2013-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n * \n */\n\n'use strict';\n\n/* global Symbol */\n\nvar
ITERATOR_SYMBOL = typeof Symbol === 'function' && Symbol.iterator;\nvar FAUX_ITERATOR_SYMBOL
= '@@iterator'; // Before Symbol spec.\n\n/**\n * Returns the iterator method function contained on the iterable
object.\n *\n * Be sure to invoke the function with the iterable as context:\n *\n * var iteratorFn =
getIteratorFn(myIterable);\n * if (iteratorFn) {\n *
var iterator = iteratorFn.call(myIterable);\n *
...\n *
}\n *\n * @param {?object} maybeIterable\n * @return {?function}\n */\nfunction getIteratorFn(maybeIterable) {\n
var iteratorFn = maybeIterable && (ITERATOR_SYMBOL && maybeIterable[ITERATOR_SYMBOL] ||
maybeIterable[FAUX_ITERATOR_SYMBOL]);\n if (typeof iteratorFn === 'function') {\n return iteratorFn;\n
}\n}\n\nmodule.exports = getIteratorFn;\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/react/lib/getIteratorFn.js\n// module id = 310\n// module chunks = 0","/**\n * Copyright (c) 2013present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE file in
the root directory of this source tree.\n *\n * \n */\n\n'use strict';\n\n/**\n * Escape and wrap key so it is safe to use
as a reactid\n *\n * @param {string} key to be escaped.\n * @return {string} the escaped key.\n */\n\nfunction

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escape(key) {
  var escapeRegex = /\[=:\]/g;
  var escaperLookup = {
    '=': '=0',
    ':': '=2'
  };
  var escapedString = ('' + key).replace(escapeRegex, function (match) {
    return escaperLookup[match];
  });

  return '$' + escapedString;
}

/**
 * Unescape and unwrap key for human-readable display
 *
 * @param {string} key to unescape.
 * @return {string} the unescaped key.
 */
function unescape(key) {
  var unescapeRegex = /(=0|=2)/g;
  var unescaperLookup = {
    '=0': '=',
    '=2': ':'
  };
  var keySubstring = key[0] === '.' && key[1] === '$' ? key.substring(2) : key.substring(1);

  return ('' + keySubstring).replace(unescapeRegex, function (match) {
    return unescaperLookup[match];
  });
}

var KeyEscapeUtils = {
  escape: escape,
  unescape: unescape
};

module.exports = KeyEscapeUtils;

//////////////////
// WEBPACK FOOTER
// ./node_modules/react/lib/KeyEscapeUtils.js
// module id = 311
// module chunks = 0
/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 */

'use strict';

var ReactElement = require('./ReactElement');

/**
 * Create a factory that creates HTML tag elements.
 *
 * @private
 */
var createDOMFactory = ReactElement.createFactory;
if (process.env.NODE_ENV !== 'production') {
  var ReactElementValidator = require('./ReactElementValidator');
  createDOMFactory = ReactElementValidator.createFactory;
}

/**
 * Creates a mapping from supported HTML tags to `ReactDOMComponent` classes.
 */
var ReactDOMFactories = {
  a: createDOMFactory('a'),
  abbr: createDOMFactory('abbr'),
  address: createDOMFactory('address'),
  area: createDOMFactory('area'),
  article: createDOMFactory('article'),
  aside: createDOMFactory('aside'),
  audio: createDOMFactory('audio'),
  b: createDOMFactory('b'),
  base: createDOMFactory('base'),
  bdi: createDOMFactory('bdi'),
  bdo: createDOMFactory('bdo'),
  big: createDOMFactory('big'),
  blockquote: createDOMFactory('blockquote'),
  body: createDOMFactory('body'),
  br: createDOMFactory('br'),
  button: createDOMFactory('button'),
  canvas: createDOMFactory('canvas'),
  caption: createDOMFactory('caption'),
  cite: createDOMFactory('cite'),
  code: createDOMFactory('code'),
  col: createDOMFactory('col'),
  colgroup: createDOMFactory('colgroup'),
  data: createDOMFactory('data'),
  datalist: createDOMFactory('datalist'),
  dd: createDOMFactory('dd'),
  del: createDOMFactory('del'),
  details: createDOMFactory('details'),
  dfn: createDOMFactory('dfn'),
 dialog: createDOMFactory('dialog'),
  div: createDOMFactory('div'),
  dl: createDOMFactory('dl'),
  dt: createDOMFactory('dt'),
  em: createDOMFactory('em'),
  embed: createDOMFactory('embed'),
  fieldset: createDOMFactory('fieldset'),
  figcaption: createDOMFactory('figcaption'),
  figure: createDOMFactory('figure'),
  footer: createDOMFactory('footer'),
  form: createDOMFactory('form'),
  h1: createDOMFactory('h1'),
  h2: createDOMFactory('h2'),
  h3: createDOMFactory('h3'),
  h4: createDOMFactory('h4'),
  h5: createDOMFactory('h5'),
  h6: createDOMFactory('h6'),
  head: createDOMFactory('head'),
  header: createDOMFactory('header'),
  hr: createDOMFactory('hr'),
  html: createDOMFactory('html'),
  i: createDOMFactory('i'),
  iframe: createDOMFactory('iframe'),
  img: createDOMFactory('img'),
  input: createDOMFactory('input'),
  ins: createDOMFactory('ins'),
  kbd: createDOMFactory('kbd'),
  keygen: createDOMFactory('keygen'),
  label: createDOMFactory('label'),
  legend: createDOMFactory('legend'),
  li: createDOMFactory('li'),
  link: createDOMFactory('link'),
  main: createDOMFactory('main'),
  map: createDOMFactory('map'),
  mark: createDOMFactory('mark'),
  menu: createDOMFactory('menu'),
  menultem: createDOMFactory('menultem'),
  meta: createDOMFactory('meta'),
  meter: createDOMFactory('meter'),
  nav: createDOMFactory('nav'),
  noscript: createDOMFactory('noscript'),
  object: createDOMFactory('object'),
  ol: createDOMFactory('ol'),
  optgroup: createDOMFactory('optgroup'),
  option: createDOMFactory('option'),
  output: createDOMFactory('output'),
  p: createDOMFactory('p'),
  param: createDOMFactory('param'),
  picture: createDOMFactory('picture'),
  pre: createDOMFactory('pre'),
  progress: createDOMFactory('progress'),
  q: createDOMFactory('q'),
  rp: createDOMFactory('rp'),
  rt: createDOMFactory('rt'),
  ruby: createDOMFactory('ruby'),
  s: createDOMFactory('s'),
  samp: createDOMFactory('samp'),
  script: createDOMFactory('script'),
  section: createDOMFactory('section'),
  select: createDOMFactory('select'),
  small: createDOMFactory('small'),
  source: createDOMFactory('source'),
  span: createDOMFactory('span'),
  strong: createDOMFactory('strong'),
  style: createDOMFactory('style'),
  sub: createDOMFactory('sub'),
  sup: createDOMFactory('sup'),
  table: createDOMFactory('table'),
  tbody: createDOMFactory('tbody'),
  td: createDOMFactory('td'),
  textarea: createDOMFactory('textarea'),
  tfoot: createDOMFactory('tfoot'),
  th: createDOMFactory('th'),
  thead: createDOMFactory('thead'),
  time: createDOMFactory('time'),
  tr: createDOMFactory('tr'),
  track: createDOMFactory('track'),
  u: createDOMFactory('u'),
  ul: createDOMFactory('ul'),
  video: createDOMFactory('video'),
  wbr: createDOMFactory('wbr')
};

module.exports = ReactDOMFactories;
A more formal specification of how these methods are used:

```
type := array|bool|func|object|number|string|oneOf([...])|instanceOf(...)
```

Each and every declaration produces a function with the same
signature. This allows the creation of custom validation functions. For example:

```
var MyLink = React.createClass({
  * propTypes: {
    * href: function(props, propName, componentName) {
      * if (propValue != null && typeof propValue !== 'string') {
        * return new Error('Expected a string for the ' + propName + ' in ' + componentName + ' in ' + componentName + ' with ' + componentName + ' .');
      }
    },
```

```
  * render: function() {...}
```
componentName + ", but its value is 'undefined'.

}`
}

var return null;
}

return

var chainedCheckType = checkType.bind(null, false);

chainedCheckType.isRequired = checkType.bind(null, true);

return chainedCheckType;

function createPrimitiveTypeChecker(expectedType) {

function validate(props, propName, componentName, location, propFullName, secret) {

var propValue = props[propName];

if (typeof propValue !== 'function') {

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected a single ReactElement.');

}

function createInstanceTypeChecker(expectedClass) {

function validate(props, propName, componentName, location, propFullName) {

var propValue = props[propName];

if (!isValidElement(propValue)) {

var propType = getPropType(propValue);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected an array.'));

}

for (var i = 0; i < propValue.length; i++) {

var error = typeChecker(propValue, i, componentName, location, propFullName + '[' + i + ']', ReactPropTypesSecret);

if (error instanceof Error) {

return error;

}
}

return null;

}

return createChainedTypeChecker(validate);

}

function createEnumTypeChecker(expectedValues) {

if (!Array.isArray(expectedValues)) {

process.env.NODE_ENV !== 'production' ? warning(false, 'Invalid argument supplied to oneOf, expected an instance of array.') : void 0;

return emptyFunction.thatReturnsNull;

}

function validate(props, propName, componentName, location, propFullName) {

var propValue = props[propName];

if (!isValidElement(propValue)) {

var propType = getPropType(propValue);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected an array.'));

}

for (var i = 0; i < propValue.length; i++) {

if (is(propValue, expectedValues[i])) {

return null;

}
}

var valuesString = JSON.stringify(expectedValues);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected one of ' + valuesString + '.'));

}

return createChainedTypeChecker(validate);

}

function createObjectOfTypeChecker(typeChecker) {

function validate(props, propName, componentName, location, propFullName) {

var propValue = props[propName];

if (typeof typeChecker !== 'function') {

return new PropTypeError('Property `' + propFullName + '` of component `' + componentName + '`, expected propType notation inside objectOf.'));

}

var propType = getPropType(propValue);

if (!Array.isArray(propValue)) {

var propType = getPropType(propValue);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected an array.'));

}

for (var i = 0; i < propValue.length; i++) {

var error = typeChecker(propValue, i, componentName, location, propFullName + '[' + i + ']', ReactPropTypesSecret);

if (error instanceof Error) {

return error;

}
}

return null;

}

return createChainedTypeChecker(validate);

}

function createArrayOfTypeChecker(typeChecker) {

function validate(props, propName, componentName, location, propFullName) {

if (typeof typeChecker !== 'function') {

return new PropTypeError('Property `' + propFullName + '` of component `' + componentName + '`, expected an array.'));

}

var propValue = props[propName];

if (!Array.isArray(propValue)) {

var propType = getPropType(propValue);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected an array.'));

}

for (var i = 0; i < propValue.length; i++) {

var error = typeChecker(propValue, i, componentName, location, propFullName + '[' + i + ']', ReactPropTypesSecret);

if (error instanceof Error) {

return error;

}
}

return null;

}

return createChainedTypeChecker(validate);

}

function createElementTypeChecker() {

function validate(props, propName, componentName, location, propFullName) {

var propValue = props[propName];

if (!isValidElement(propValue)) {

var propType = getPropType(propValue);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected a single ReactElement.'));

}

function createArrayOfTypeChecker(typeChecker) {

function validate(props, propName, componentName, location, propFullName) {

var propValue = props[propName];

if (Array.isArray(propValue)) {

var propType = getPropType(propValue);

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected an array.'));

}

for (var i = 0; i < propValue.length; i++) {

var error = typeChecker(propValue, i, componentName, location, propFullName + '[' + i + ']', ReactPropTypesSecret);

if (error instanceof Error) {

return error;

}
}

return null;

}

return createChainedTypeChecker(validate);

}

function createObjectOfTypeChecker(typeChecker) {

function validate(props, propName, componentName, location, propFullName) {

var propValue = props[propName];

if (typeof typeChecker !== 'function') {

return new PropTypeError('Property `' + propFullName + '` of component `' + componentName + '`, expected propType notation inside objectOf.'));

}

var propType = getPropType(propValue);

if (typeof propType !== 'object') {

return new PropTypeError('Invalid ' + location + ' `' + propFullName + '`, expected an object.'));

}

var error = typeChecker(propValue, key, componentName, location, propFullName + '.' + key, ReactPropTypesSecret);

if (error instanceof Error) {

return error;

}

return


'typeof' but with special handling for array and regexp.

```javascript
function getPropType(propValue) {
  var propType = typeof propValue;
  if (Array.isArray(propValue)) {
    return 'array';
  }
  if (propValue instanceof RegExp) {
    // Old webkits (at least until Android 4.0) return 'function' rather than
    // 'object' for typeof a RegExp. We'll normalize this here so that /bla/ // passes PropTypes.object.
    return 'object';
  }
  if (isSymbol(propType, propValue)) {
    return 'symbol';
  }
  return propType;
}

// This handles more types than 'getPropType'. Only used for error messages.

function getPreciseType(propValue) {
  if (typeof propValue === 'undefined' || propValue === null) {
    return '' + propValue;
  }
  var propType = getPropType(propValue);
  if (propType === 'object') {
    if (propValue instanceof Date) {
      return 'date';
    } else if (propValue instanceof RegExp) {
      return 'regexp';
    }
  } else if (propValue instanceof ANONYMOUS) {
    return propValue.constructor.name;
  }
  return propType;
}

// Returns a string that is postfixed to a warning about an invalid type.
// For example, '\'undefined' or 'of type array''

function getPostfixForTypeWarning(value) {
  var type = getPreciseType(value);
  switch (type) {
    case 'array':
    case 'object':
      return 'an ' + type;
    case 'boolean':
      return 'case ' + type;
    default:
      return type;
  }
}

// Returns class name of the object, if any.

function getClassName(propValue) {
  if (!propValue.constructor || !propValue.constructor.name) {
    return ANONYMOUS;
  }
  return propValue.constructor.name;
}

ReactPropTypes.checkPropTypes = checkPropTypes;
ReactPropTypes.PropTypes = ReactPropTypes;

return ReactPropTypes;
}
```

```javascript
/*
 * Copyright (c) 2013-present, Facebook, Inc.
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 * the root directory of this source tree.
 */

'use strict';

var _require = require('./ReactBaseClasses'), Component = _require.Component;

var _require2 = require('./ReactElement'), isValidElement = _require2.isValidElement;

var ReactNoopUpdateQueue = require('./ReactNoopUpdateQueue');
var factory = require('create-react-class/factory');

module.exports = factory(Component, isValidElement, ReactNoopUpdateQueue);

```

```javascript
''

```
* Invoked when the component has been mounted and has a DOM representation. However, there is no guarantee that the DOM node is in the document. Use this as an opportunity to operate on the DOM when the component has been mounted (initialized and rendered) for the first time. @param {DOMElement} rootNode DOM element representing the component. componentDidMount: 'DEFINE_MANY';

* Invoked before the component receives new props.

* Use this as an opportunity to react to a prop transition by updating the state using `this.setState`. Current props are accessed via `this.props`. @param {object} nextProps @optional

componentWillReceiveProps: 'DEFINE_MANY';

* Invoked while deciding if the component should be updated as a result of receiving new props, state and/or context. @optional

* Use this as an opportunity to `return false` when you're certain that transition to the new props/state/context will not require a component update. 

shouldComponentUpdate: 'DEFINE_ONCE';

* Invoked when the component is about to update due to a transition from `this.props`, `this.state` and `this.context` to `nextProps`, `nextState` and `nextContext`. @param {object} nextProps @param {?object} nextState @param {?object} nextContext @return {boolean} True if the component should update. 

componentWillUpdate: 'DEFINE_MANY';

* Invoked when the component's DOM representation has been updated. @optional

* Use this as an opportunity to operate on the DOM when the component has been updated. @param {object} prevProps @param {?object} prevState @param {DOMElement} rootNode DOM element representing the component. componentDidUpdate: 'DEFINE_MANY';

* Invoked when the component is about to be removed from its parent and have its DOM representation destroyed. @optional

* Use this as an opportunity to deallocate any external resources. NOTE: There is no `componentDidUnmount` since your component will have been destroyed by that point. @optional

componentWillUnmount: 'DEFINE_MANY';

* Replacement for (deprecated) `componentWillMount`. @optional

UNSAFE_componentWillMount: 'DEFINE_MANY';

* Replacement for (deprecated) `componentWillReceiveProps`. @optional

UNSAFE_componentWillReceiveProps: 'DEFINE_MANY';

* Replacement for (deprecated) `componentWillUpdate`. @optional

UNSAFE_componentWillUpdate: 'DEFINE_MANY';

* Advanced methods

Similar to ReactClassInterface but for static methods. var ReactClassStaticInterface = {

* This method is invoked after a component is instantiated and when it receives new props. Return an object to update state in response to prop changes. Return null to indicate no change to state. @optional

getDerivedStateFromProps: 'DEFINE_MANY_MERGED';

* Mapping from class specification keys to special processing functions. Although these are declared like instance properties in the specification when defining classes using `React.createClass`, they are actually static and are accessible on the constructor instead of the prototype. Despite being static, they must be defined outside of the
"statics" key under
* which all other static methods are defined.

*An var RESERVED_SPEC_KEYS = {

  displayName: function(Constructor, displayName) { 
    Constructor.displayName = displayName;
  },

  mixins: function(Constructor, mixins) { 
    if (mixins) {
      for (var i = 0; i < mixins.length; i++) {
        mixSpecIntoComponent(Constructor, mixins[i]);
      }
    }
  },

  childContextTypes: function(Constructor, childContextTypes) { 
    if (process.env.NODE_ENV !== 'production') {
      validateTypeDef(Constructor, childContextTypes, 'childContext');
    }
  },

  contextTypes: function(Constructor, contextTypes) { 
    if (process.env.NODE_ENV !== 'production') {
      validateTypeDef(Constructor, contextTypes, 'context');
    }
  },

  statics: function(Constructor, statics) { 
    mixStaticSpecIntoComponent(Constructor, statics);
  },

  autobind: function() {}
};

/**
 * Special case getDefaultProps which
 * should move into statics but requires
 * automatic merging.
 * An function(Constructor, getDefaultProps) {

  if (Constructor.getDefaultProps) {
    Constructor.getDefaultProps = createMergedResultFunction(Constructor, getDefaultProps);
  } else {
    Constructor.getDefaultProps = getDefaultProps;
  }

} else {

  Constructor.getDefaultProps = function(Constructor, propTypes) {

  } else {

    _invariant(
      !isValidElement(spec),
      "ReactClass: You're attempting to " +
        'use a component as a 
    mixin. Instead, just use a regular object.'
  );

  _invariant(
    !isAlreadyDefined, name) {
    var specPolicy = ReactClassInterface.hasOwnProperty(name) ? ReactClassInterface[name] : null;
    // Disallow overriding of base class methods unless explicitly allowed.
    if (ReactClassMixin.hasOwnProperty(name)) {
      _invariant(specPolicy === 'OVERRIDE_BASE', 'ReactClassInterface: You are attempting to override 
    ' + name, " 's%" from your class specification. Ensure that your method names ' +
    'don't overlap with React methods.');
    } else {
      _invariant(!isAlreadyDefined, name) {
        var specPolicy === 'DEFINE_MANY_MERGED', name) {
            ReactClassInterface: You are attempting to define ' + name " 's%" on your 
        component more than once. This conflict may be due ' + null || 'as well as any mixins they include themselves.' + name || 'Expected object but got
      });
    }

    return;
  }

  function validateMethodOverride(isAlreadyDefined, name) {
    var specPolicy = ReactClassInterface.hasOwnProperty(name) ? ReactClassInterface[name] : null;
    // Disallow defining methods more than once unless explicitly allowed.
    if (isAlreadyDefined) {
      _invariant(specPolicy === 'DEFINE_MANY' || specPolicy === 'DEFINE_MANY_MERGED', name) {
        ReactClassInterface: You are attempting to define ' + name " 's%" on your component.
        It's ' + name || 'as well as any mixins they include themselves.' + name || 'Expected object but got
      });
    }

    if (process.env.NODE_ENV !== 'production') {
      warning(
        isMixValid && specType === 'object' & & specValue != null, 
        "You're attempting to include a mixin that is either null \" + name || 'or not an object. Check the mixins included by
        the component, \" + name || 'as well as any mixins they include themselves.' + name || 'Expected object but got
      });
    }

    if (process.env.NODE_ENV !== 'production') {
      var proto = Constructor.prototype;

      var autoBindPairs = proto.__reactAutoBindPairs;

      // By handling mixins before any other properties, we ensure the same
      // chaining order is applied to methods with DEFINE_MANY policy, whether
      // mixins are listed before or after these methods in the spec.
      if (spec.hasOwnProperty(MIXINS_KEY)) {
        RESERVED_SPEC_KEYS.mixins(Constructor, spec.mixins);
      } for (var name in spec) {
        if (!spec.hasOwnProperty(name)) {
          continue;
        } else {
          if (name === MIXINS_KEY) {
            // We have
already handled mixins in a special case above.\n  continue;\n}\nvar property = spec[name];\nvar isAlreadyDefined = proto.hasOwnProperty(name);\nvalidateMethodOverride(isAlreadyDefined, name);\nif (RESERVED_SPEC_KEYS.hasOwnProperty(name)) {\n  RESERVED_SPEC_KEYS[name](Constructor, property);\n} else {\n  // Setup methods on prototype.\n  // The following member methods should not be automatically bound.\n  // 1. Expected ReactClass methods (in the \"interface\")\n  // 2. Overridden methods (that were mixed in).\n  var isReactClassMethod = ReactClassInterface.hasOwnProperty(property);\n  var isFunction = typeof property === 'function';
  var shouldAutoBind = 
    (shouldAutoBind) {\n      autoBindPairs.push(name, property);\n    } else {\n      if (isAlreadyDefined) {\n        var specPolicy = ReactClassInterface[name];\n        _invariant(specPolicy === 'DEFINE_MANY_MERGED' ||
          specPolicy === 'DEFINE_MANY_MERGED') \n        'ReactClass: Unexpected spec policy %s for key %s.' +
          specPolicy, name \n      } // Methods for which we define methods more than once, call the 
      existing \n      // methods before calling the new property, merging if appropriate.\n      if (specPolicy ===
        'DEFINE_MANY_MERGED') {\n        proto[name] = createMergedResultFunction(proto[name], property);\n      } else if (specPolicy === 'DEFINE_MANY') {\n        proto[name] = createChainedFunction(proto[name], property);\n      } else if (isAlreadyDefined) {\n        RESERVED_SPEC_KEYS[name](Constructor, property);\n        return;
      }
      Constructor[name] = property;
    }
  }
}

function mixStaticSpecIntoComponent(Constructor, statics) {
  if (!statics) {
    return;
  }

  for (var name in statics) {
    var property = statics[name];
    if (!statics.hasOwnProperty(name)) {
      continue;
    }

    var isReserved = name in RESERVED_SPEC_KEYS;
    _invariant(!isReserved,
      'ReactClass: You are attempting to define a reserved property, `%s`, ' +
        'that shouldn\'t be on the \"statics\" key. Define it as an instance property ' +
        'instead; it will still be accessible on the \'+
        'constructor.\');
    var isAlreadyDefined = name in Constructor;
    if (isAlreadyDefined) {
      var specPolicy = ReactClassStaticInterface.hasOwnProperty(name);
      ReactClassStaticInterface[name] : null;\n      _invariant(specPolicy ===
        'DEFINE_MANY_MERGED', \n      'ReactClass: You are attempting to define \'+
        '\%s\' on your component more than once. This conflict may be ' +
        '\'+
        'due to a mixin.\';
      var name;\n      Constructor[name] = createMergedResultFunction(Constructor[name], property);
      return;
    }\n  }
}

\"statics\" key. Define it \'+
      '\"statics\" \'+
      'property, \"%s\", that shouldn\'t be on the \"statics\" key. Define it as an instance property instead; it will still be accessible on the \'+
      '\"reactorstructor.\';
    var name;\n    Constructor[name] = createMergedResultFunction(Constructor[name], property);
  }

  function mixIntoWithNoDuplicateKeys(one, two) {\n    _invariant(one && two && typeof one === 'object' &&
      typeof two === 'object',
      '\`mergeIntoWithNoDuplicateKeys\`(): Cannot merge non-objects.\');\n    for (var key in two) {\n      \n    if (two.hasOwnProperty(key)) {\n      _invariant(one[key] !== undefined,\n        '\`mergeIntoWithNoDuplicateKeys\`(): Tried to merge two objects with the same key: \"%s\". This conflict ' +
        '\'+
        '\n    return one;\n  }\n
  function getInitialState() {\n    this.firstObject = one;\n    this.secondObject = two;
  }\n
  function mergeIntoWithNoDuplicateKeys() \n  getInitialState();\n
  Function returning objects with clashing keys.\';\n  one[key] = two[key];\n  return one;\n  }\n
  if (a == null) {\n    return b;\n  } else if (b == null) {\n    return a;\n  }\n  return c;\n}\n
mergeIntoWithNoDuplicateKeys(c, a);\nmergeIntoWithNoDuplicateKeys(c, b);\nreturn c;\n}


functions and ignores their return values.

```javascript
* @param {function} one Function to invoke first.
* @param {function} two Function to invoke second.
* @return {function} A function that invokes the two argument functions.
* @private

function createChainedFunction(one, two) {
  return function chainedFunction() {
    one.apply(this, arguments);
    two.apply(this, arguments);
  };
}
```

### Binds all auto-bound methods in a component.

```javascript
function bindAutoBindMethods(component) {
  var pairs = component.__reactAutoBindPairs;
  for (var i = 0; i < pairs.length; i += 2) {
    var autoBindKey = pairs[i];
    var method = pairs[i + 1];
    component[autoBindKey] = bindAutoBindMethod(component, method);
  }
}
```

### React component methods may only be bound to the '+' one component instance. See %s

```javascript
function bindAutoBindMethod(component, method) {
  var boundMethod = method.bind(component);
  if (process.env.NODE_ENV !== 'production') {
    boundMethod.__reactBoundContext = component;
    boundMethod.__reactBoundMethod = method;
    boundMethod.__reactBoundArguments = null;
    var componentName = component.constructor.displayName;
    var _bind = boundMethod.bind;
    boundMethod.bind = function(newThis) {
      for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
        args[_key - 1] = arguments[_key];
      }

      // User is trying to bind() an autobound method; we effectively will ignore the value of "this" that the user is trying to use, so
      // let's warn.
      if (newThis !== component &&
          if (newThis !== null) {
            if (process.env.NODE_ENV !== 'production') {
              warning(false,
                'bind(): React component methods may only be bound to the ' +
                'component instance. See %s.', componentName
              );
            }
          } else if (!args.length) {
            if (process.env.NODE_ENV !== 'production') {
              warning(false,
                'bind(): You are binding a component method to the component. '+'
                'React does this for you automatically in a high-performance '+'
                'way, so you can safely remove this call. See %s.', componentName
              );
            }
            return boundMethod;
          }
        var reboundMethod = _bind.apply(boundMethod, arguments);
        reboundMethod.__reactBoundContext = component;
        reboundMethod.__reactBoundMethod = method;
        reboundMethod.__reactBoundArguments = args;
        return reboundMethod;
      };
    }
  }
  return boundMethod;
}
```

### Create a composite component class given a class specification.

```javascript
function createClass(spec) {
  var Constructor = identity(function(props, context,
```

---

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updater) { 
   // This constructor gets overridden by mocks. The argument is used
   // by mocks to assert on what gets mounted.
   if (process.env.NODE_ENV !== 'production') { 
     warning(this instanceof Constructor, 'Something is calling a React component directly. Use a factory or JSX instead. See: https://fb.me/react-legacyfactory');
   }

   this.context = context;
   this.refs = emptyObject;
   this.updater = updater || ReactNoopUpdateQueue;
   this.state = null;

   ReactClasses doesn't have constructors. Instead, they use the
   // getInitialState and constructorWillMount methods for initialization.

   var initialState = this.getInitialState();
   if (process.env.NODE_ENV !== 'production') {
     // We allow auto-mocks to proceed as if they're returning
     // null.
     if (initialState === undefined &
         this.getInitialState.isMockFunction) {
       // This is probably bad practice. Consider warning here and
       // deprecating this convenience.
       initialState = null;
     }
   }
   _invariant(
     typeof initialState === 'object' && !Array.isArray(initialState),
     '%s.getInitialState(): must return an object or null',
     Constructor.displayName || 'ReactCompositeComponent'
   );

   this.state = initialState;
}

Constructor.prototype = new ReactClassComponent();
Constructor.prototype.constructor = Constructor;

Constructor.prototype._reactAutoBindPairs = [];
injectedMixins.forEach(mixSpecIntoComponent.bind(null, Constructor));

mixSpecIntoComponent(Constructor, spec);

// Initialize the defaultProps property after all mixins have been merged.
if (Constructor.getDefaultProps) {
  Constructor.defaultProps = Constructor.getDefaultProps();
}

if (process.env.NODE_ENV !== 'production') {
  // This is a tag to indicate that the use of these method names is ok,
  // since it's used with createClass. If it's not, then it's likely
  // a mistake so we'll warn you to use the static property, property
  // initializer or constructor respectively.
  if (Constructor.getDefaultProps) {
    Constructor.getDefaultProps.isReactClassApproved = {};
  }
  if (Constructor.prototype.getInitialState) {
    Constructor.prototype.getInitialState.isReactClassApproved = {};
  }
}

_invariant(
  Constructor.prototype.render,
  'createClass(...): Class specification must implement a `render` method.'
);

if (process.env.NODE_ENV !== 'production') {
  warning(!Constructor.prototype.componentShouldUpdate,
    '%s has a method called `componentShouldUpdate()`. Did you mean `shouldComponentUpdate()`?
  );
  warning(!Constructor.prototype.componentWillRecieveProps,
    '%s has a method called `componentWillRecieveProps()`.
  ');
}

// Reduce time spent doing lookups by setting these on the prototype.
for (var methodName in ReactClassInterface) {
  if (!Constructor.prototype[methodName]) {
    Constructor.prototype[methodName] = null;
  }
}

if (Constructor.prototype.componentShouldUpdate) {'
    %s has a method called `shouldUpdate()`.
    Did you mean `shouldComponentUpdate()`? +}
}

// The name is phrased as a question because the function is
// `expected to return a value.` +

invariant(spec.displayName || 'A component',
  'componentWillRecieveProps(). Did you mean `componentWillReceiveProps()`? +
  '
  %s has a method called `UNSAFE_componentWillRecieveProps()`.
  Did you mean `UNSAFE_componentWillReceiveProps()`? +
')
rows = []
urls.forEach((link, i) => {
  rows.push(<option key={i}
    value={link.url}>{link.name}</option>)
})

control.push(<label htmlFor="select"><span>Select a definition</span>
  <select id="select" disabled={isLoading}
    onChange={this.onUrlSelect}
    value={urls[this.state.selectedIndex].url}>
    {rows}
  </select>
</label>)

else {
  formOnSubmit = this.downloadUrl
  control.push(<input
    className="download-url-input" type="text" onChange={this.onUrlChange}
    value={this.state.url}
    disabled={isLoading}
    style={inputStyle} />)
  control.push(<Button className="download-url-button"
    onClick={this.downloadUrl}>Explore</Button>)
}

return (
  <div className="topbar">
    <div className="wrapper">
      <div className="topbar-wrapper">
        <Link>
          <img height="40" src={Logo} alt="Swagger UI"/>
        </Link>
        <form className="download-url-wrapper" onSubmit={formOnSubmit}>
          {control.map((el, i) => cloneElement(el, { key: i }))}
        </form>
      </div>
    </div>
  </div>
)
function byteLength(b64) {
  var len = getLens(b64)
  return ((validLen + placeHoldersLen) * 3 / 4) - placeHoldersLen
}

function toByteArray(b64) {
  var tmp = (revLookup[b64.charCodeAt(i)] << 18) |
    (revLookup[b64.charCodeAt(i + 1)] << 12) |
    (revLookup[b64.charCodeAt(i + 2)] << 6) |
    revLookup[b64.charCodeAt(i + 3)]
}

function byteLength(b64) {
  var lens = getLens(b64)
  var validLen = lens[0]
  var placeHoldersLen = lens[1]
  var arr = new Array(64 * validLen + placeHoldersLen)
  var curByte = 0
  var validLen = placeHoldersLen
  var placeHoldersLen = 0
  return curByte == 0
}

function base64(byteLength) {
  return ((validLen + placeHoldersLen) * 3 / 4) - placeHoldersLen
}

function _byteLength(b64, validLen, placeHoldersLen) {
  return ((validLen + placeHoldersLen) * 3 / 4) - placeHoldersLen
}

function byteLength(b64) {
  var lens = getLens(b64)
  var validLen = lens[0]
  return placeHoldersLen
}

function toByteArray(b64) {
  var tmp
  var lens = getLens(b64)
  var validLen = lens[0]
  var placeHoldersLen = lens[1]
  var arr = new Array(_byteLength(b64, validLen, placeHoldersLen))
  var curByte = 0
  // if there are placeholders, only get up to the last 4 chars
  var len = placeHoldersLen > 0
    ? validLen - 4
    : validLen
  for (var i = 0; i < len; i++) {
    tmp =
      (revLookup[b64.charCodeAt(i)] << 18) |
      (revLookup[b64.charCodeAt(i + 1)] << 12) |
      (revLookup[b64.charCodeAt(i + 2)] << 6) |
      revLookup[b64.charCodeAt(i + 3)]
    arr[curByte++] = (tmp >> 16) & 0xFF
    arr[curByte++] = (tmp >> 8) & 0xFF
    arr[curByte++] = tmp & 0xFF
  }

  if (placeHoldersLen === 2) {
    tmp =
      (revLookup[b64.charCodeAt(i)] << 2) |
      (revLookup[b64.charCodeAt(i + 1)] >> 4)
    arr[curByte++] = tmp & 0xFF
  }

  if (placeHoldersLen === 1) {
    tmp =
      (revLookup[b64.charCodeAt(i)] << 10) |
      (revLookup[b64.charCodeAt(i + 1)] << 4) |
      (revLookup[b64.charCodeAt(i + 2)] >> 2)
    arr[curByte++] = (tmp >> 8) & 0xFF
    arr[curByte++] = tmp & 0xFF
  }

  return arr
}

function tripletToBase64(num) {
  return lookup[num >> 18 & 0x3F] +
    lookup[num >> 12 & 0x3F] +
    lookup[num >> 6 & 0x3F] +
    lookup[num & 0x3F]
}

function encodeChunk(uint8, start, end) {
  var tmp
  var output = []
  for (var i = start; i < end; i += 3) {
    tmp =
      ((uint8[i] << 16) & 0xFF0000) +
      ((uint8[i + 1] << 8) & 0xFF00) +
      (uint8[i + 2] & 0xFF)
    output.push(tripletToBase64(tmp))
  }
  return output.join('')
}

function fromByteArray(uint8) {
  var tmp
  var len = uint8.length
  var extraBytes = len % 3 // if we have 1 byte left, pad 2 bytes
  var parts = []
  var maxChunkLength = 16383 // must be multiple of 3
  // go through the array every three bytes, we'll deal with
  // trailing stuff later
  for (var i = 0, len2 = len - extraBytes; i < len2; i += maxChunkLength) {
    parts.push(encodeChunk(uint8, i, (i + maxChunkLength) > len2 ? len2 : (i + maxChunkLength)))
  }

  // pad the end with zeros, but make sure to not forget the extra bytes
  if (extraBytes === 1) {
    tmp = uint8[len - 1]
    parts.push(tripletToBase64(tmp))
  } else if (extraBytes === 2) {
    tmp = (uint8[len - 2] << 8) + uint8[len - 1]
    parts.push(tripletToBase64(tmp))
  }

  return parts.join('')
}

return [validLen, placeHoldersLen]
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```javascript
hasUnicodeWord(string) ? unicodeWords(string) : asciiWords(string);
  }
  return string.match(pattern) ||
  toString(string);
  pattern = guard ? undefined : pattern;

  if (pattern === undefined) {
    return
+]/g);
* // => ['fred', 'barney', '&', 'pebbles']
*/
function words(string, pattern, guard) {
  string =
_.words('fred, barney, & pebbles');
 * // => ['fred', 'barney', 'pebbles']
 *
 * _.words('fred, barney, & pebbles', /

@returns {Array} Returns the words of `string`.
 * @param {Object} object The object to query.
 * @returns {Function} Returns the new accessor function.

*Anfunction deburr(string) {\n string = toString(string);\n return return string &\& string.replace(reLatin,
 deburrLetter).replace(reLatinWord);\n};//\n\n\nmodule.exports = deburr;\n\n```

[combining diacritical marks](https://en.wikipedia.org/wiki/Combining_Diacritical_Marks).\n *\n * @static\n * @memberOf \n * @since 3.0.0\n * @category String\n * @param {string} [string=''] The string to deburr.\n * @returns {string} Returns the deburred string.\n * @example\n *\n * // => 'deja vu'\n *Anfunction deburr(string) {\n string = toString(string);\n return return string &\& string.replace(reLatin,
 deburrLetter).replace(reLatinWord);\n};//\n\n\nmodule.exports = deburr;\n\n```

```
Splits an ASCII `string` into an array of its words.

```javascript
function asciiWords(string) {
  return string.match(reAsciiWord) || [];
}
```

Used to detect strings that need a more robust regexp to match words.

```javascript
function hasUnicodeWord(string) {
  return reHasUnicodeWord.test(string);
}
```

Used to compose unicode character classes.

```javascript
var rsBreak = '[' + rsBreakRange + ']',
    rsCombo = '[' + rsComboRange + ']',
    rsDigits = '\d+',
    rsDingbat = '[' + rsDingbatRange + ']',
    rsLower = '[' + rsLowerRange + ']',
    rsMisc = '[^' + rsAstralRange + rsBreakRange + rsDigits + rsDingbatRange + rsLowerRange + rsUpperRange + ']',
    rsFitz = '\ud83c[\udffb-\udfff]',
    rsModifier = '(?:' + rsCombo + '|' + rsFitz + ')',
    rsOptVar = '[' + rsVarRange + ']?',
    rsOptJoin = '(?:' + rsZWJ + '(?:' + [rsNonAstral, rsRegional, rsSurrPair].join('|') + ')' + rsOptVar + reOptMod + ')*',
    rsOrdLower = '\d*(?:1st|2nd|3rd|(?![123])\dth)(?=\b|\[A-Z_])',
    rsOrdUpper = '\d*(?:1ST|2ND|3RD|(?![123])\dTH)(?=\b[a-z_])',
    reOptMod = rsModifier + '?',
    rsOrdVar = '[+\-]?(?:\d|\d\.\d+)(?:\d|\d\.\d+)\d*\d*[fF]?[lL][lL]*',
    rsSeq = rsOptJoin + '.*';

Used to compose unicode regexes.

```javascript
var reUnicodeWord = RegExp(\``
  \w\b|\[a-zA-Z]\[A-Z]\[2]\[a-z]\[0-9]\[a-zA-Z]\[0-9]\]|\\b[^\x00-\x2f\x3a-\x40\x5b-\x60\x7b-\x7f]+\\b/', 'g');
```

Splits a Unicode `string` into an array of its words.

```javascript
function unicodeWords(string) {
  return string.match(reUnicodeWord) || [];
}
```

Used to compose unicode capture groups.

```javascript
var rsApos = "['\\u2019']",
    rsBreak = '\[' + rsBreakRange + '\]',
    rsCombo = '\[' + rsComboRange + '\]',
    rsDigits = '\\d+',
    rsDingbat = '\[' + rsDingbatRange + '\]',
    rsLower = '\[' + rsLowerRange + '\]',
    rsMisc = '[^\ud800-\udbff\udf00-\udfff]',
    rsOptContrLower = '(?:' + rsApos + '(?:d|ll|m|re|s|t|ve))?',
    rsOptContrUpper = '(?:' + rsApos + '(?:D|LL|M|RE|S|T|VE))?',
    rsOrdLower = '(?:\d(?:1st|2nd|3rd|(?![123])\dth))(?=\b|\[A-Z_])',
    rsOrdUpper = '(?:\d(?:1ST|2ND|3RD|(?![123])\dTH))(?=\b[a-z_])',
    reOptMod = rsModifier + '?',
    rsOrdVar = '[+\-]?(?:\d|\d\.\d+)(?:\d|\d\.\d+)\d*\d*[fF]?[lL][lL]*',
    rsSeq = rsOptJoin + '.*';

Used to match complex or compound words.

```javascript
var reUnicodeWord = RegExp(\``
  \w\b|\[a-zA-Z]\[A-Z]\[2]\[a-z]\[0-9]\[a-zA-Z]\[0-9]\]|\\b[^\x00-\x2f\x3a-\x40\x5b-\x60\x7b-\x7f]+\\b/', 'g');
```

Splits a Unicode `string` into an array of its words.

```javascript
function unicodeWords(string) {
  return string.match(reUnicodeWord) || [];
}
```
// node_modules/lodash/_mapCacheClear.js

var hashClear = require('./_hashClear'),
    hashDelete = require('./_hashDelete'),
    hashGet = require('./_hashGet'),
    hashHas = require('./_hashHas'),
    hashSet = require('./_hashSet'),
    Hash = require('./_Hash'),
    __data__: = new Hash();

/**
 * Creates a hash object.
 *
 * @private
 * @constructor
 * @param {Array} entries The key-value pairs to cache.
 */
function Hash(entries) {
  var index = -1,
      length = entries == null ? 0 : entries.length;

  while (++index < length) {
    var entry = entries[index];
    this.set(entry[0], entry[1]);
  }
}

// Add methods to Hash.
Hash.prototype.clear = hashClear;
Hash.prototype['delete'] = hashDelete;
Hash.prototype.get = hashGet;
Hash.prototype.has = hashHas;
Hash.prototype.set = hashSet;

module.exports = Hash;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_Hash.js

var nativeCreate = require('./_nativeCreate');

/**
 * Removes all key-value entries from the hash.
 * @param {Array} entries The key-value pairs to cache.
 * @returns {Array} Returns the entries.
 */
function hashClear(entries) {
  this.__data__ = nativeCreate ? nativeCreate(null) : {};
  this.size = 0;
  return entries || [];
}

module.exports = hashClear;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isMasked.js

function getValue(object, key) {
  return object == null ? undefined : object[key];
}

module.exports = getValue;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_getValue.js

var coreJsData = require('./_coreJsData');

function getOwnPropertyDescriptor(object, property) {
  var result = hasOwnProperty.call(object, property) ? object[property] : undefined;
  return result;
}

module.exports = getOwnPropertyDescriptor;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_getOwnPropertyDescriptor.js

var root = require('./_root');

function isNative(value) {
  return value == null || isFunction(value) || typeof value == 'function';
}

module.exports = isNative;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isNative.js

function isObject(value) {
  return typeof value == 'object' && value != null;
}

module.exports = isObject;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isObject.js

var isFunction = require('./isFunction'),
    isMasked = require('./_isMasked'),
    isObject = require('./isObject'),
    toSource = require('./_toSource');

function isFunction(value) {
  return isObject(value) && isFunction(value); // Safari, WebKit, and Opera.
}

module.exports = isFunction;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isFunction.js

var isObject = require('./isObject');

function isObject(value) {
  return typeof value == 'object' && value != null;
}

module.exports = isObject;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isObject.js

var coreJsData = require('./_coreJsData');

function getOwnPropertyDescriptor(object, property) {
  var result = hasOwnProperty.call(object, property) ? object[property] : undefined;
  return result;
}

module.exports = getOwnPropertyDescriptor;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_getOwnPropertyDescriptor.js

var root = require('./_root');

function isNative(value) {
  return value == null || isFunction(value) || typeof value == 'function';
}

module.exports = isNative;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isNative.js

function isObject(value) {
  return typeof value == 'object' && value != null;
}

module.exports = isObject;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isObject.js

var isFunction = require('./isFunction'),
    isMasked = require('./_isMasked'),
    isObject = require('./isObject'),
    toSource = require('./_toSource');

function isFunction(value) {
  return isObject(value) && isFunction(value); // Safari, WebKit, and Opera.
}

module.exports = isFunction;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isFunction.js

var isObject = require('./isObject');

function isObject(value) {
  return typeof value == 'object' && value != null;
}

module.exports = isObject;
 function baseMatches(source) {
  var matchData = getMatchData(source);
  if (matchData.length == 1 && matchData[0][2]) {
    return matchesStrictComparable(matchData[0][0], matchData[0][1]);
  }
  return function(object) {
    return object === source || baseIsMatch(object, source, matchData);
  };
}

module.exports = baseMatches;


function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}

module.exports = stackClear;


function stackDelete(key) {
  var data = this.__data__,
      result = data['delete'](key);

  this.size = data.size;
  return result;
}

module.exports = stackDelete;


function stackGet(key) {
  return this.__data__.get(key);
}

module.exports = stackGet;


function stackHas(key) {
  return this.__data__.has(key);
}

module.exports = stackHas;


var ListCache = require('./_ListCache'),
    Map = require('./_Map'),
    MapCache = require('./_MapCache');

/**
 * Used as the size to enable large array optimizations. */
var LARGE_ARRAY_SIZE = 200;

/**
 * Gets the stack value for `key`.
 *
 * @private
 * @name stackGet
 * @memberOf Stack
 * @param {string} key The key of the value to get.
 * @returns {*} Returns the value at `key`.


function stackHas(key) {
  return this._data__has(key);
}

module.exports = stackHas;


function stackDelete(key) {
  var data = this._data__;
  var results = data['delete'](key);

  this.size = data.size;
  return results;
}

module.exports = stackDelete;
search for.

```javascript
* @returns {number} Returns `true` if `value` is found, else `false`.
*/
function setCacheHas(value)
{
  return this.__data__.has(value);
}

module.exports = setCacheHas;

```

```javascript
// WEBPACK FOOTER
// ./node_modules/lodash/_setCacheHas.js
// module id = 395
// module chunks = 0

```
function arrayPush(array, values) {
  var index = -1,
      length = values.length,
      offset = array.length;

  while (++index < length) {
    array[offset + index] = values[index];
  }
  return array;
}

module.exports = arrayPush;


var arrayFilter = require('./_arrayFilter'),
    stubArray = require('./stubArray');

/** Used for built-in method references. */
var objectProto = Object.prototype;

/** Built-in value references. */
var propertyIsEnumerable = objectProto.propertyIsEnumerable;

/* Built-in method references for those with the same name as other 'lodash'
methods. */
var nativeGetSymbols = Object.getOwnPropertySymbols;

/* Built-in method references for those with the same name as other 'lodash'
methods. */
var getSymbols = !nativeGetSymbols ? stubArray : function(object) {
  if (object == null) {
    return [];
  }
  object = Object(object);
  return arrayFilter(nativeGetSymbols(object),
    function(symbol) {
      return propertyIsEnumerable.call(object, symbol);
    });
};

module.exports = getSymbols;


function arrayFilter(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length,
      resIndex = 0,
      result = [];

  while (++index < length) {
    var value = array[index];
    if (predicate(value, index, array)) {
      result[resIndex++] = value;
    }
  }
  return result;
}

module.exports = arrayFilter;


var baseTimes = require('./_baseTimes'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray'),
    isBuffer = require('./isBuffer'),
    isIndex = require('./_isIndex'),
    isTypedArray = require('./isTypedArray');

/**
 * Creates an array of the enumerable property names of the array-like `value`.
 *
 * @private
 * @param {*} value The value to query.
 * @param {boolean} inherited Specify returning inherited property names.
 * @returns {Array} Returns the array of property names.
 */
function arrayLikeKeys(value, inherited) {
  var isArr = isArray(value),
      isArg = !isArr && isArguments(value),
      isBuff = !isArr && !isArg && isBuffer(value),
      isType = !isArr && !isArg && !isBuff && isTypedArray(value),
      skipIndexes = isArr || isType || !isBuffer
    || isIndex
    || isBuffer
    || isTypedArray
    || baseTimes(value.length, String)
    : [];
  var length = result.length;
  for (var key
    in value) {
    if ((inherited || hasOwnProperty.call(value, key))
      && !skipIndexes
      && (key // Safari 9
        has enumerable
        arguments.length
        in strict mode
        key == 'length'
        || Node.js 0.10 has enumerable
        non-index properties on buffers
        isBuffer
        || (key == 'offset'
          || key == 'parent'))
      || (PhantomJS 2
        has enumerable
        non-index properties on typed arrays
        isType
        || (key == 'buffer'
          || key == 'byteLength'
          || key == 'byteOffset'))
      || (skip index properties
        || isIndex(key, length))
      ) {
      result.push(key);
    }
  }
  return result;
}

module.exports = arrayLikeKeys;


function stubArray() {
  return [];
}

module.exports = stubArray;


baseTimes = require('./_baseTimes'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray'),
    isBuffer = require('./isBuffer'),
    isIndex = require('./_isIndex'),
    isTypedArray = require('./isTypedArray');

/**
 * The base implementation of `_.times` without support for iteratee shorthands
 * or max array length checks.
 * @private
 * @param {number} n The number of times to invoke `iteratee`.
 * @returns {Array} The number of times to invoke `iteratee`.
 */
function baseTimes(n, iteratee) {
  var index = -1,
      result = Array(n);
  while (++index < n) {
    result[index] = iteratee(index);
  }
  return result;
}

module.exports = baseTimes;
Node.js < 10

```javascript
var objectProto = Object.prototype;

/** Used for built-in method references. */
var objectProto = Object.prototype;

/**
 * Checks if `value` is likely a prototype object. *\n *
 * @param {Any} value
 * @returns {Boolean}
 */
function isPrototype(value) {
  var Ctor = value && value.constructor,
      proto = (typeof Ctor == 'function' &&
        Ctor.prototype) || objectProto;

  return value === proto;
}

module.exports = isPrototype;
```
be native. */

```javascript
var Promise = getNative(root, 'Promise');

module.exports = Promise;
```
exceeds `MAX_MEMOIZE_SIZE`.

```javascript
function memoizeCapped(func) {
  var result = memoize(func, function(key) {
    if (cache.size >= MAX_MEMOIZE_SIZE) {
      cache.clear();
      return null;
    } else {
      var baseHasIn = require('_/baseHasIn'),
      hasPath = require('_/hasPath'),
      hasOwnProperty = require('object/keys');
    }
  });

  var cache = result.cache;
  return result;
}

module.exports = memoizeCapped;
```
Used to detect bad signed hexadecimal string values. `var reIsBadHex = /\^[-+]?0x[0-9a-f]+$/;`

Used to detect binary string values. `var reIsBinary = /^0b[01]+$/;`

Used to detect octal string values. `var reIsOctal = /^0[0-7]+$/;`

Built-in method references without a dependency on `root`.

```javascript
/**
 * Converts `value` to a number.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 *
 * @category Lang
 * @param {*} value The value to process.
 * @returns {number} Returns the number.
 *
 * @example
 *
 * _.toNumber(3.2);
 * // => 3.2
 *
 * _.toNumber(Number.MIN_VALUE);
 * // => 5e-324
 *
 * _.toNumber(Infinity);
 * // => Infinity
 * 
 *
 * // The `_.matchesProperty` iteratee shorthand.
 * _.toNumber(10, { 'property': 5 });
 * // => 5
 */
function toNumber(value) {
  if (typeof value == 'number') {
    return value;
  }
  if (isSymbol(value)) {
    return NaN;
  }
  if (isObject(value)) {
    var other = typeof value.valueOf == 'function' ? value.valueOf() : value;
    value = isObject(other) ? (other + '') : other;
  }
  if (typeof value != 'string') {
    return value === 0 ? value + value : value;
  }
  value = value.replace(reTrim, '');
  var isBinary = reIsBinary.test(value);
  return (isBinary || reIsOctal.test(value))
    ? freeParseInt(value.slice(2), isBinary ? 2 : 8)
    : (reIsBadHex.test(value) ? NaN : +value);
}

module.exports = toNumber;
```
implementation of `baseForOwn` which iterates over `object
* properties returned by `keysFunc` and invokes
`iteratee` for each property.
* Iteratee functions may exit iteration early by explicitly returning `false`.
* `iteratee` functions may exit iteration early by explicitly returning `false`.

```javascript
function baseFor(object, iteratee, keysFunc) {
  if (iteratee(Iterable[Object], key, iterable) === false) {
    break;
  }
}
```
```javascript
let props = objectify(properties)
let obj = {}
for (var name in props) {
  if ( props[name] && props[name].deprecated ) {
    continue
  }
  if ( props[name] && props[name].readOnly && !includeReadOnly ) {
    continue
  }
  if ( props[name] && props[name].writeOnly && !includeWriteOnly ) {
    continue
  }
  obj[name] = sampleFromSchema(props[name], config)
}

if ( additionalProperties === true ) {
  obj.additionalProp1 = {}
} else if ( additionalProperties ) {
  let additionalProps = objectify(additionalProperties)
  let additionalPropVal = sampleFromSchema(additionalProps, config)
  for (let i = 1; i < 4; i++) {
    obj['additionalProp' + i] = additionalPropVal
  }
}

return obj
}

if(type === "array") {
  if(Array.isArray(items.anyOf)) {
    return items.anyOf.map(i =>
      sampleFromSchema(i, config))
  }

  if(Array.isArray(items.oneOf)) {
    return items.oneOf.map(i =>
      sampleFromSchema(i, config))
  }

  return [ sampleFromSchema(items, config) ]
}

if(schema["enum"]) {
  if(schema["default"])
    return schema["default"]
  return normalizeArray(schema["enum"])[0]
}

if (type === "file") {
  return
}

return primitive(schema)
```

Open Source Used In SDWan 20.4.1 6203
callback(args[0], args[1], args[2]);
            break;
        default:
            callback.apply(undefined, args);
        case 2:
            callback(args[0], args[1]);
            break;
        case 3:
            task.args;
        switch (args.length) {
        case 0:
            callback();
            break;
        case 1:
            delete tasksByHandle[handle];
    }

    function run(task) {
        var callback = task.callback;
        var args =
            registerImmediate(nextHandle);
        return nextHandle++;
    }

    function clearImmediate(handle) {
        var task
      var task = { callback: callback, args: args };
      tasksByHandle[nextHandle] = task;
      return nextHandle;
    }

    function setImmediate(callback) {
      // Allow for unix-like usage: A.pipe(B).pipe(C)
      var return dest;
        // module id = 454
        // module chunks = 0
        if (global.setImmediate) {
            return;
        }

        var registerImmediate;
        var currentlyRunningATask = false;
        var doc = global.document;
        var require('util');

        function copyBuffer(src, target, offset) {
            src.copy(target, offset);
        }

        module.exports =
            function BufferList() {
                _classCallCheck(this, BufferList);

                this.head = null;
                this.tail = null;
                this.length = 0;
            };

        BufferList.prototype.push = function push(v) {
            var entry = { data: v, next: null };
            if (this.length > 0) this.tail.next = entry;
            this.tail = entry;
            ++this.length;
        };

        BufferList.prototype.unshift = function unshift(v) {
            var entry = { data: v, next: null };
            if (this.length === 0) this.tail = entry;
            this.head = entry;
            ++this.length;
        };

        BufferList.prototype.shift = function shift() {
            var ret = this.head.data;
            if (this.length === 1) this.head = this.tail = null;
            this.length = 0;
            return ret;
        };

        BufferList.prototype.clear = function clear() {
            this.head = this.tail = null;
            this.length = 0;
        };

        BufferList.prototype.join = function join(s) {
            return s + this.toString();
        };

        BufferList.prototype.concat = function concat(n) {
            if (this.length === 0) return '';
            var i = 0;
            while (p) {
                copyBuffer(p.data, ret, i);
                i += p.data.length;
                p = p.next;
            }
            return ret;
        };

        BufferList.prototype.push = function push(v) {
            var entry = { data: v, next: null };
            if (this.length === 0) this.tail = entry;
            this.head = entry;
            ++this.length;
        };

        BufferList.prototype.shift = function shift() {
            var ret = this.head.data;
            if (this.length === 1) this.head = this.tail = null;
            this.length = 0;
            return ret;
        };

        BufferList.prototype.clear = function clear() {
            this.head = this.tail = null;
            this.length = 0;
        };

        BufferList.prototype.join = function join(s) {
            return s + this.toString();
        };

        BufferList.prototype.concat = function concat(n) {
            if (this.length === 0) return '';
            var i = 0;
            while (p) {
                copyBuffer(p.data, ret, i);
                i += p.data.length;
                p = p.next;
            }
            return ret;
        };

        BufferList.prototype.push = function push(v) {
            var entry = { data: v, next: null };
            if (this.length === 0) this.tail = entry;
            this.head = entry;
            ++this.length;
        };

        BufferList.prototype.shift = function shift() {
            var ret = this.head.data;
            if (this.length === 1) this.head = this.tail = null;
            this.length = 0;
            return ret;
        };

        BufferList.prototype.clear = function clear() {
            this.head = this.tail = null;
            this.length = 0;
        };

        BufferList.prototype.join = function join(s) {
            return s + this.toString();
        };

        BufferList.prototype.concat = function concat(n) {
            if (this.length === 0) return '';
            var i = 0;
            while (p) {
                copyBuffer(p.data, ret, i);
                i += p.data.length;
                p = p.next;
            }
            return ret;
        };

        BufferList.prototype.push = function push(v) {
            var entry = { data: v, next: null };
            if (this.length === 0) this.tail = entry;
            this.head = entry;
            ++this.length;
        };

        BufferList.prototype.shift = function shift() {
            var ret = this.head.data;
            if (this.length === 1) this.head = this.tail = null;
            this.length = 0;
            return ret;
        };

        BufferList.prototype.clear = function clear() {
            this.head = this.tail = null;
            this.length = 0;
        };

        BufferList.prototype.join = function join(s) {
            return s + this.toString();
        };

        BufferList.prototype.concat = function concat(n) {
            if (this.length === 0) return '';
function runIfPresent(handle) {
    // From the spec: "Wait until any invocations of this algorithm started before this one have completed." // So if we're currently running a task, we'll need to delay this invocation.
    if (currentlyRunningATask) {
        // Delay by doing a setTimeout. setImmediate was tried instead, but in Firefox 7 it generated an // "too much recursion" error.
        setTimeout(runIfPresent, 0, handle);
    } else {
        var task = tasksByHandle[handle];
        if (task) {
            currentlyRunningATask = true;
            try {
                run(task);
            } finally {
                clearImmediate(handle);
                currentlyRunningATask = false;
            }
        }
    }
}

function installNextTickImplementation() {
    registerImmediate = function(handle) {
        process.nextTick(function() { runIfPresent(handle); });
    }
}

function canUsePostMessage() {
    // The test against `importScripts` prevents this implementation from being installed inside a web worker, where `global.postMessage` means something completely different and can't be used for this purpose.
    if (global.postMessage && !global.importScripts) {
        var postMessageIsAsynchronous = true;
        var oldOnMessage = global.onmessage;
        global.onmessage = function(event) {
            if (event.source === global && typeof event.data === "string" && event.data.indexOf(messagePrefix) === 0) {
                runIfPresent(+event.data.slice(messagePrefix.length));
            }
        };
        global.postMessage("", "*");
        global.onmessage = oldOnMessage;
        return postMessageIsAsynchronous;
    }
}

function installMessageChannelImplementation() {
    var channel = new MessageChannel();
    channel.port1.onmessage = function(event) {
        var handle = event.data;
        runIfPresent(handle);
    };
    registerImmediate = function(handle) {
        channel.port2.postMessage(handle);
    }
}

function installReadyStateChangeImplementation() {
    var html = doc.documentElement;
    registerImmediate = function(handle) {
        // Create a <script> element; its readystatechange event will be fired asynchronously once it is inserted into the document. Do so, thus queuing up the task. Remember to clean up once it's been called.
        var script = doc.createElement("script");
        script.onreadystatechange = function () {
            runIfPresent(handle);
            script.onreadystatechange = null;
            html.removeChild(script);
            script = null;
        };
        html.appendChild(script);
    }
}

function installSetTimeoutImplementation() {
    registerImmediate = function(handle) {
        setTimeout(runIfPresent, 0, handle);
    }
}

function deprecate() {
    return function() {
        console.error("Deprecation warning: "+ arguments[0]);
        arguments[0];
    };
}

module.exports = deprecate;
function (options.normalizer) {
  normalizer = resolveNormalize(options.normalizer);
  get = normalize.get;
  set = normalize.set;
  delete = normalize.delete;
  clear = normalize.clear;
  if (options.resolvers != null) resolve = resolveResolve(options.resolvers);
  if (get) {
    memoized = defineLength(function (arg) {
      var id, result,
      args = arguments;
      if (resolve) args = resolve(args);
      id = get(args);
      if (id == null) throw customError("Circular invocation", "CIRCULAR_INVOCATION");
      args = apply.call(original, this, args);
      if (args.length === 0) {
        if (hasOwnProperty.call(cache, "data")) {
          return cache.data;
        }
        if (args.length) result = apply.call(original, this, args);
        else result = call.call(original, this);
        if (hasOwnProperty.call(cache, "data")) {
          throw customError("Circular invocation", "CIRCULAR_INVOCATION");
        }
        cache.data = result;
        if (setListeners) conf.emit("set", "data", null, result);
      } else {
        var result, oldCache = cache;
        if (args.length === 0) return cache.data;
        if (resolve) args = resolve(args);
        if (get) id = get(args);
        else id = String(args[0]);
        cache[id] = result;
        if (setListeners) conf.emit("set", id, result);
      }
    }, memLength);
  } else if (length === 0) {
    memoized = function () {
      var result;
      if (hasOwnProperty.call(cache, "data")) {
        return cache.data;
      }
      if (args.length) result = apply.call(original, this, args);
      else result = call.call(original, this);
      if (hasOwnProperty.call(cache, "data")) {
        throw customError("Circular invocation", "CIRCULAR_INVOCATION");
      }
      cache.data = result;
      if (setListeners) conf.emit("set", "data", null, result);
    };
  } else {
    memoized = function (arg) {
      var id, args = arguments;
      if (resolve) args = resolve(args);
      id = String(args[0]);
      if (hasOwnProperty.call(cache, id)) {
        return cache[id];
      }
      if (args.length === 0) return call.call(original, this, args[0]);
      if (resolve) id = String(args[0]);
      cache[id] = result;
      if (setListeners) conf.emit("set", id, result);
    };
  }
  conf = {
    original: original,
    memoized: memoized,
    profileName: options.profileName,
    get: function (args) {
      if (resolve) args = resolve(args);
      if (get) return get(args);
      return String(args[0]);
    },
    has: function (id) {
      return hasOwnProperty.call(cache, id);
    },
    delete: function (id) {
      var result;
      if (!hasOwnProperty.call(cache, id)) return;
      if (del) del(id);
      result = cache[id];
      delete cache[id];
      if (deleteListeners) conf.emit("delete", id, result);
    },
    clear: function () {
      var oldCache = cache;
      if (clear) clear();
      cache = create(null);
      conf.emit("clear", oldCache);
    },
    on: function (type, listener) {
      if (type === "get") getListeners = true;
      else if (type === "set") setListeners = true;
      else if (type === "delete") deleteListeners = true;
      return on.call(this, type, listener);
    },
    emit: emit,
    updateEnv: function () {
      original = conf.original;
    }
  };
  if (get) {
    textGet = defineLength(function (arg) {
      var id, args = arguments;
      if (resolve) args = resolve(args);
      id = get(args);
      if (id == null) return;
      conf.delete(id);
    }, memLength);
  } else if (length === 0) {
    textGet = function () {
      return conf.get("data");
    };
  } else {
    textGet = function (arg) {
      var id, args = arguments;
      if (resolve) args = resolve(args);
      id = get(args);
      if (id == null) return;
      conf.delete(id);
    };
  }
  conf.memoized = defineLength(function (arg) {
    var id, args = arguments;
    if (resolve) args = resolve(args);
    id = get(args);
    if (id == null) {
      if (textGet) args = textGet(args);
      if (hasOwnProperty.call(cache, id)) {
        return cache[id];
      }
      if (args.length) result = apply.call(original, this, args);
      else result = call.call(original, this);
      if (hasOwnProperty.call(cache, id)) {
        throw customError("Circular invocation", "CIRCULAR_INVOCATION");
      }
      cache[id] = result;
      if (setListeners) conf.emit("set", id, result);
    }
  }, memLength);
  if (hasOwnProperty.call(cache, "data")) {
    conf.memoized.emit("get", "data", args, this);
  }
  if (args.length) result = apply.call(original, this, args);
  else result = call.call(original, this);
  if (hasOwnProperty.call(cache, "data")) {
    throw customError("Circular invocation", "CIRCULAR_INVOCATION");
  }
  cache.data = result;
  if (setListeners) conf.emit("set", "data", null, result);
  return result;
});

																																																																																													
function (arrayLike /*, mapFn, thisArg*/) {
  var mapFn = arguments[1]
    , thisArg = arguments[2]
    , arrayLike = Object(validValue(arrayLike));

  var iteratorSymbol = require("es6-symbol").iterator
    , isArray = Array.isArray;

  module.exports = function (arrayLike) {
    return isArray(arrayLike) ? arrayLike : from(arrayLike);
  };
currentCallback = currentContext = currentArgs = null; targs.push(cb); revert = apply.call(original, this, args);

return apply.call(original, this, args);

// After not from cache call
conf.on("set", function (id) {
  if (!currentCallback)
  {
    conf.delete(id);
    conf.emit("delete", id, slice.call(result.args, 1));
    conf.emit("deleteasync", id, slice.call(result.args, 1));
    return;
  }
  if (typeof waiting[id] === "function") waiting[id] = [waiting[id], currentCallback.cb];
  else waiting[id].push(currentCallback.cb);
  currentCallback = currentContext = currentArgs = null;
  args.push(cb);
  result = apply.call(original, this, args);
  cb.cb = origCb;
  currentCallback = cb;
  return result;
};

// After not from cache call
conf.on("set", function (id) {
  if (!currentCallback)
  {
    conf.delete(id);
    conf.emit("delete", function (id) {
      var result = revert;
      // If false, we don’t have value yet, so we assume that intention is not to memoize this call. After value is obtained we don’t cache it but gracefully pass to callback.
      if (hOwnProperty.call(waiting, id)) return;
      if (typeof waiting[id] === "function")
      {
        var promise = promises[id];
        if (promise === null) return;
        var promiseResult = promise(id);
        if (!promiseResult)
        {
          delete waiting[id];
          delete promises[id];
          return;
        }
        var resolvedMode = promise.mode;
        if (resolvedMode === null) return;
        var promiseFunction = promise.promise;
        promiseFunction(id, promiseResult);
      }
    });
    return;
  }
  if (waiting[id]) {
    // Race condition: asyncFn(1, cb), asyncFn.clear(), asyncFn(1, cb) -> function (typeof waiting[id] === "function")
    waiting[id] = [waiting[id], currentCallback.cb];
  } else {
    waiting[id] = currentCallback.cb;
    currentCallback = currentContext = currentArgs = null;
    args.push(cb);
    result = apply.call(original, this, args);
    cb.cb = origCb;
    currentCallback = cb;
    return currentCallback;
  }
});

// On delete
conf.on("delete", function (id) {
  var result;
  // If false, we don’t have value yet, so we assume that intention is not to memoize this call. After value is obtained we don’t cache it but gracefully pass to callback.
  if (hasOwnProperty.call(waiting, id)) return;
  if (!cache[id]) return;
  result = cache[id];
  delete cache[id];
  conf.emit("deleteasync", id, slice.call(result.args, 1));
});

// On clear
conf.on("clear", function () {
  var oldCache = cache;
  cache = create(null);
  conf.emit("clearasync", objectMap(oldCache, function (data) {
    return slice.call(data.args, 1); // Note: all values are objects
  }));
});
function (id) { if (isPromise(promise)) {
    promise.then(function () {
        conf.emit("getasync", id, args, context);
    });
    if (isPromise(waiting[id])) {
        delete waiting[id];
    } else { conf.emit(id); }
} else { conf.emit(id); }
}

conf.on("delete", function (id) { if (isPromise(promise)) {
    promise.then(function () {
        conf.emit("getasync", id, args, context);
    });
    if (isPromise(waiting[id])) {
        delete waiting[id];
    } else { conf.emit(id); }
} else { conf.emit(id); }
}

conf.on("deleteasync", id, [result]);

conf.on("clear", function () {
    var oldCache = cache;
    cache = create(null);
    waiting = create(null);
    promises = create(null);
    conf.emit("clearasync", objectMap(oldCache, function (data) {
        return [data];
    }));
}

//////////////////
// WEBPACK FOOTER

"use strict";

var forEach = Array.prototype.forEach, create = Object.create;

module.exports = function (arg /*, …args*/) {
    var set = create(null);
    forEach.call(arguments, function (name) {
        set[name] = true;
    });
    return set;
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/es5-ext/object/primitive-set.js
// module id = 505
// module chunks = 0

"use strict";

var ensureValue   = require("./valid-value")
  , stringifiable = require("./validate-stringifiable");

module.exports = function (value) {
    return stringifiable(ensureValue(value));
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/es5-ext/object/validate-stringifiable-value.js
// module id = 506
// module chunks = 0

var isCallable = require("./is-callable");

module.exports = function (stringifiable) {
    try {
        if (stringifiable && isCallable(stringifiable.toString)) return stringifiable.toString();
        return String(stringifiable);
    } catch (e) {
        throw new TypeError("Passed argument cannot be stringifiable");
    }
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/es5-ext/object/validate-stringifiable.js
// module id = 507
// module chunks = 0

var safeToString = require("./safe-to-string");

var reNewLine = /[\n\r\u2028\u2029]/g;

module.exports = function (value) {
    var string = safeToString(value);
    // Trim if too long
    if (string.length > 100) string = string.slice(0, 99) + "…";
    // Replace eventual new lines
    string = string.replace(reNewLine, function (char) {
        return JSON.stringify(char).slice(1, -1);
    });
    return string;
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/es5-ext/to-short-string-representation.js
// module id = 508
// module chunks = 0

"use strict";

var isCallable = require("./object/is-callable");

module.exports = function (value) {
    try {
        if (value && isCallable(value.toString)) return value.toString();
        return String(value);
    } catch (e) {
        return "[Non-coercible (to string) value]";
    }
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/es5-ext/object/for-each.js
// module id = 509
// module chunks = 0

"use strict";

var callable   = require("es5-ext/object/valid-callable")
  , forEach    = require("es5-ext/object/for-each")
  , extensions = require("../lib/registered-extensions")

  , apply = Function.prototype.apply;

extensions.dispose = function (dispose, conf, options) {
    var del;
    callable(dispose);
    if ((options.async && extensions.async) || (options.promise && extensions.promise)) {
        conf.on("deleteasync", del = function (id, resultArray) {
            apply.call(dispose, null, resultArray);
        });
        conf.on("clearasync", function (cache) {
            forEach(cache, function (result, id) {
                del(id, result);
            });
        });
    }
    conf.on("delete", del = function (id, result) {
        conf.on("clearasync", function (cache) {
            forEach(cache, function (result, id) {
                del(id, result);
            });
        });
    });
}


//////////////////
// WEBPACK FOOTER
// ./node_modules/memoizee/ext/dispose.js

"use strict";

var callable   = require("es5-ext/object/valid-callable")
  , forEach    = require("es5-ext/object/for-each")
  , extensions = require("../lib/registered-extensions")

  , apply = Function.prototype.apply;

extensions.dispose = function (dispose, conf, options) {
    var del;
    callable(dispose);
    if ((options.async && extensions.async) || (options.promise && extensions.promise)) {
        conf.on("deleteasync", del = function (id, resultArray) {
            apply.call(dispose, null, resultArray);
        });
        conf.on("clearasync", function (cache) {
            forEach(cache, function (result, id) {
                del(id, result);
            });
        });
    }
    conf.on("delete", del = function (id, result) {
        conf.on("clearasync", function (cache) {
            forEach(cache, function (result, id) {
                del(id, result);
            });
        });
    });
}


//////////////////
// WEBPACK FOOTER
// ./node_modules/memoizee/ext/promise.js
// module id = 504
// module chunks = 0
setTimeout(function () { conf.delete(id); }, maxAge);
			conf.delete(preFetchTimeouts[id]);
		}, preFetchAge);}

if (typeof timeouts[id].unref === "function")
	
timeouts[id].unref();
		if (!preFetchTimeouts) return;
		if (preFetchTimeouts[id] !== "nextTick")
		clearTimeout(preFetchTimeouts[id]);
		delete preFetchTimeouts[id];
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

conf.on("delete" + postfix,
function (id) {
		clearTimeout(timeouts[id]);
		delete timeouts[id];
		if (!preFetchTimeouts) return;
		if (preFetchTimeouts[id] !== "nextTick")
		clearTimeout(preFetchTimeouts[id]);
		delete preFetchTimeouts[id];
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

if (options.preFetch) {
		if (options.preFetch === true ||
		isNaN(options.preFetch)) {
			preFetchAge = 0.333;
		} else {
			preFetchAge = max(min(Number(options.preFetch), 1), 0);
		}
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

		if (options.preFetch) {
			if (options.preFetch === true ||
		isNaN(options.preFetch)) {
				preFetchAge = 0.333;
		} else {
			preFetchAge = max(min(Number(options.preFetch), 1), 0);
		}
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

		if (options.preFetch) {
			if (options.preFetch === true ||
		isNaN(options.preFetch)) {
				preFetchAge = 0.333;
		} else {
			preFetchAge = max(min(Number(options.preFetch), 1), 0);
		}
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

		if (options.preFetch) {
			if (options.preFetch === true ||
		isNaN(options.preFetch)) {
				preFetchAge = 0.333;
		} else {
			preFetchAge = max(min(Number(options.preFetch), 1), 0);
		}
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

		if (options.preFetch) {
			if (options.preFetch === true ||
		isNaN(options.preFetch)) {
				preFetchAge = 0.333;
		} else {
			preFetchAge = max(min(Number(options.preFetch), 1), 0);
		}
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);

		if (options.preFetch) {
			if (options.preFetch === true ||
		isNaN(options.preFetch)) {
				preFetchAge = 0.333;
		} else {
			preFetchAge = max(min(Number(options.preFetch), 1), 0);
		}
		setTimeout(function () {
			delete preFetchTimeouts[id];
		}, preFetchAge);
```javascript
"use strict";

var d = require("d")
  , extensions = require("../lib/registered-extensions")

  , create = Object.create, defineProperties = Object.defineProperties;

extensions.refCounter = function (ignore, conf, options) {
	var cache, postfix;

	cache = create(null);
	postfix = (options.async && extensions.async) ||
		(options.promise && extensions.promise) ? "async" : "";

	conf.on("set" + postfix, function (id, length) {
		cache[id] = length || 1;
	});
	conf.on("get" + postfix, function (id) {
		return cache[id];
	});
	conf.on("clear" + postfix, function () {
		cache = create(null);
	});

	defineProperties(conf.memoized, {
		set: d(function (id) {
			cache[id] = (cache[id] || 0) + 1;
		}),
		del: d(function (id) {
			delete cache[id];
		}),
		get: d(function (id) {
			return cache[id] || 0;
		}),
		clear: d(function () {
			cache = create(null);
		}),
		delete: d(function (id) {
			cache[id] = null;
		}),
		getRef: d(function () {
			return cache[id];
		})
	});

console.log(extensions.refCounter); // module id = 516

/*
 * OBJECT ASSIGN DEEP

 * Allows deep cloning of plain objects that contain primitives, nested plain objects, or nested plain arrays.
 */

/*
 * A unified way of returning a string that describes the type of the given variable.
 */

var getTypeOf = function (input) {

	if (input === null) {
		return 'null';
	} else if (typeof input === 'undefined') {
		return 'undefined';
	} else if ((typeof input === 'undefined' ? 'undefined' : _typeof(input)) === 'object') {
		return Array.isArray(input) ? 'array' : 'object';
	}

	return typeof input === 'undefined' ? 'undefined' : _typeof(input);
}

/*
 * Enumerates the properties of the given object (ignoring the prototype chain) and returns a new object, with each of its values cloned (i.e. references broken).
 */
function executeDeepMerge(target) {


	var options.arrayBehaviour = options.arrayBehaviour || 'replace' // Can be 'merge' or 'replace'.

	var objects = objects.map(function (object) {
		return object || {};
	});

	var output = target || {};

	for (var oindex = 0; oindex < objects.length; oindex++) {
		var object = objects[oindex];

		for (var key in object) {
			output[key] = executeDeepMerge(output[key] || {});
		}
	}

	return output;
}

/*
 * Merge all the supplied objects into the target object, breaking all references, including those of nested objects in * and arrays, and even objects nested inside arrays. The first parameter is not mutated unlike Object.assign().
 */
function merge(target, objects) {
	var output = target || {};

	for (var index = 0; index < objects.length; index++) {
		var object = objects[index];

		for (var key in object) {
			if (typeof object[key] === 'function') {
				output[key] = object[key];
			} else {
				output[key] = executeDeepMerge(output[key] || {});
			}
		}
	}

	return output;
}

```

nodeIndent, CONTEXT_FLOW_IN, false, true);\n
keyTag = state.tag;\n
keyNode = state.result;\n
skipSeparationSpace(state, true, nodeIndent);\n
if ((isExplicitPair || state.line === _line) & & ch === 0x3A/* : */) {\n
isPair = true;\n
ch = state.input.charCodeAt(state.position);\n
skipSeparationSpace(state, true, nodeIndent);\n
composeNode(state, nodeIndent, CONTEXT_FLOW_IN, false, true);\n
keyTag = state.tag;\n
keyNode = state.result;\n
skipSeparationSpace(state, true, nodeIndent);\n
ch = state.input.charCodeAt(state.position);\n
if (ch === 0x3A/* : */) {\n
isMapping = true;\n
ch = state.input.charCodeAt(++state.position);\n
skipSeparationSpace(state, true, nodeIndent);\n
composeNode(state, nodeIndent, CONTEXT_FLOW_IN, false, true);\n
valueNode = state.result;\n
}

if (isMapping) {\n
storeMappingPair(state, _result, overrideableKeys, keyTag, keyNode, valueNode);\n
} else if (isPair) {\n
_result.push(storeMappingPair(state, null, overrideableKeys, keyTag, keyNode, valueNode));\n
} else {\n
_result.push(keyNode);\n
}

skipSeparationSpace(state, true, nodeIndent);\n
ch = state.input.charCodeAt(state.position);\n
if (ch === 0x2C/* , */) {\n
readNext = true;\n
ch = state.input.charCodeAt(++state.position);\n
} else {\n
readNext = false;\n
}

throwError(state, 'unexpected end of the stream within a flow collection');\n
}

function readBlockScalar(state, nodeIndent) {\n
var captureStart,\n
detectedIndent = false,\n
temp,\n
ch,\n
ch = state.input.charCodeAt(state.position);\n
if (ch === 0x7C/* | */) {\n
folding = false;\n
} else if (ch === 0x3E/* > */) {\n
folding = true;\n
} else {\n
return false;\n
}

state.kind = 'scalar';\n
state.result = '';\n
while (ch !== 0) {\n
ch = state.input.charCodeAt(++state.position);\n
}

if (is_WHITE_SPACE(ch)) {\n
do { ch = state.input.charCodeAt(state.position); } while (ch === 0x20/* Space */);\n
}

while ((ch = state.input.charCodeAt(state.position)) !== 0) {\n
ch = state.input.charCodeAt(state.position);\n
if (ch === 0x2C/* , */) {\n
// Perform the chomping,\n
if (chomping === CHOMPING_CLIP) {\n
state.result += common.repeat(' ', didReadContent ? 1 + emptyLines : emptyLines);\n
} else if (chomping === CHOMPING_STRIP) {\n
state.result += '
';\n
}

}

}

// End of the scalar.\n
if (state.lineIndent < textIndent) {\n
// Perform the chomping,\n
if (chomping === CHOMPING_KEEP) {\n
state.result += common.repeat('
', didReadContent ? 1 + emptyLines : emptyLines);\n
}

} else if (chomping === CHOMPING_CLIP) {\n
if (didReadContent) {\n
// i.e. only if the scalar is not empty.\n
if (state.result + ' \n') \n
// Break this 'while' cycle and go to the function's epilogue.\n
\n
// Folded style: use fancy rules to handle line breaks.\n
if (folding) {\n
\n
// Lines starting with white space characters (more-indented lines) are not folded.\n
if (is_WHITE_SPACE(ch)) {\n
atMoreIndented = true;\n
}

\n
}

}

}

// End of more-indented block.\n
}

}

if (state.result + ' \n') \n
// Just one line break - perceive as the same line.\n
if (emptyLines === 0) {\n
if (didReadContent) {\n
// i.e. only if we have already read some scalar content.\n
state.result += '
';\n
// Several line breaks - perceive as different lines.\n
}

}

// Literal style: just add exact number of line breaks between content lines.\n
}

}

// Keep all line breaks except the header line break.\n
state.result += common.repeat('
', didReadContent ? 1 + emptyLines : emptyLines);\n
}

// End of more-indented block.\n
}

if (atMoreIndented) {\n
atMoreIndented = false;\n
state.result += common.repeat('
', emptyLines + 1);\n
// Just one line break - perceive as the same line.\n
}

}

}

// Literal style: just add exact number of line breaks between content lines.\n
}

// Keep all line breaks except the header line break.\n
state.result += common.repeat('
', didReadContent ? 1 + emptyLines : emptyLines);\n
}

// return true;\n
\n\n\nfunction readBlockSequence(state, nodeIndent) {\n
var _line,\n
_tag = state.tag,\n
_anchor = state.anchor,\n
_result = [];\n
following,\n
}

return detected = false,\n
ch;\n
if (state.anchor !==
null) {\n  state.anchorMap[state.anchor] = _result;\n}\n\nch = state.input.charCodeAt(state.position);\nwhile (ch !== 0) {\n  if (ch !== 0x2D/* - */) {\n    break;\n  }\n  following = state.input.charCodeAt(state.position + 1);\n} if (is_WS_OR_EOL(following)) {\n  break;\n} state.detected = true;\nstate.position += \nif (skipSeparationSpace(state, true, -1)) {\n  if (state.lineIndent <= nodeIndent) {\n    _result.push(null);\n    ch = state.input.charCodeAt(state.position);\n    continue;\n  } \n  _line = state.line;\n  composeNode(state, nodeIndent, CONTEXT_BLOCK_IN, false, true);\n  _result.push(state.result);\n} skipSeparationSpace(state, true, -1);\nch = state.input.charCodeAt(state.position);\nif ((state.line === _line || state.lineIndent > nodeIndent) && (ch !== 0)) {\n  throw Error(state, 'bad indentation of a sequence entry');\n} else if (state.lineIndent < nodeIndent) {\n  throw Error(state, 'can not read a block mapping entry; a multiline key may not be an implicit key');\n} else if (atExplicitKey) {\n  storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, valueNode, _line, _pos, _tag = state.tag, _anchor = state.anchor, _result = {});\n  overridableKeys = {}, keyTag = null, keyNode = null, valueNode = null, allowCompact, atExplicitKey = false, detected = false, ch;\n} else if (state.anchor !== null) {\n  state.anchorMap[state.anchor] = _result;\n  ch = state.input.charCodeAt(state.position);\n  while (ch !== 0) {\n    following = state.input.charCodeAt(state.position + 1);\n  } if (is_WS_OR_EOL(following)) {\n    break;\n  } state.detected = true;\n  atExplicitKey = true;\n  allowCompact = true;\n} else if (atExplicitKey) {\n  // i.e. 0x3A/* : */ checks after the explicit key.\n  atExplicitKey = false;\n  allowCompact = true;\n} else {\n  throw Error(state, 'incomplete explicit mapping pair; a key node is missed; or followed by a non-tabulated empty line');\n} \nif (state.lineIndent + 1 <= nodeIndent) {\n  _result.push(state.result);\n} else if (atExplicitKey) {\n  // Implicit notation case. Flow-style node as the key first, then ':', and the value. \n} else if (composeNode(state, flowIndent, CONTEXT_FLOW_OUT, false, true)) {\n  if (state.line === _line) {\n    ch = state.input.charCodeAt(state.position);\n    while (is_WHITE_SPACE(ch)) {\n      ch = state.input.charCodeAt(state.position + 1);\n    } \n    if (ch === 0x3F/* ? */) {\n      if (atExplicitKey) {\n        // i.e. first for the key (denoted by "?") and second for the value (denoted by ":")\n        atExplicitKey = false;\n        allowCompact = true;\n      } \n    } else if (atExplicitKey) {\n      // This character is expected after the key-value separator within a block mapping';\n      if (ch !== 0x3A/* : */) {\n        throw Error(state, 'can not read a block mapping entry; a multiline key may not be an implicit key');\n      } else if (atExplicitKey) {\n        // Common reading code for both explicit and implicit notations.\n        if (state.lineIndent > nodeIndent) {\n          if (composeNode(state, nodeIndent, CONTEXT_BLOCK_OUT, true, allowCompact)) {\n            \n          } else if (!atExplicitKey) {\n            storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, valueNode, _line, _pos);\n            keyTag = keyNode = valueNode = null;\n            if (state.lineIndent > nodeIndent && (ch !== 0)) {\n              throw Error(state, 'bad indentation of a mapping entry');\n            } else if (state.lineIndent < nodeIndent) {\n              break;\n            } \n          } \n        } // Epilogue\n        // Special case: last mapping's node contains only the key in explicit notation.\n        if (atExplicitKey) {\n          storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, null);\n        } \n        // Expose the resulting mapping.\n        if (detected) {\n          state.tag = _tag;\n          state.anchor = _anchor;\n          state.kind =
'mapping';\n state.result = _result;\n }\n\n return detected;\n}\n\nfunction readTagProperty(state) {\n var
_position,\n
isVerbatim = false,\n
isNamed = false,\n
tagHandle,\n
tagName,\n
ch;\n\n ch =
state.input.charCodeAt(state.position);\n\n if (ch !== 0x21/* ! */) return false;\n\n if (state.tag !== null) {\n
throwError(state, 'duplication of a tag property');\n }\n\n ch = state.input.charCodeAt(++state.position);\n\n if (ch
=== 0x3C/* < */) {\n isVerbatim = true;\n ch = state.input.charCodeAt(++state.position);\n\n } else if (ch ===
0x21/* ! */) {\n isNamed = true;\n tagHandle = '!!';\n ch = state.input.charCodeAt(++state.position);\n\n } else
{\n tagHandle = '!';\n }\n\n _position = state.position;\n\n if (isVerbatim) {\n do { ch =
state.input.charCodeAt(++state.position); }\n while (ch !== 0 && ch !== 0x3E/* > */);\n\n if (state.position <
state.length) {\n
tagName = state.input.slice(_position, state.position);\n
ch =
state.input.charCodeAt(++state.position);\n } else {\n
throwError(state, 'unexpected end of the stream within a
verbatim tag');\n }\n } else {\n while (ch !== 0 && !is_WS_OR_EOL(ch)) {\n\n
if (ch === 0x21/* ! */) {\n
if (!isNamed) {\n
tagHandle = state.input.slice(_position - 1, state.position + 1);\n\n
if
(!PATTERN_TAG_HANDLE.test(tagHandle)) {\n
throwError(state, 'named tag handle cannot contain such
characters');\n
}\n\n
isNamed = true;\n
_position = state.position + 1;\n
} else {\n
throwError(state, 'tag suffix cannot contain exclamation marks');\n
}\n
}\n\n
ch =
state.input.charCodeAt(++state.position);\n }\n\n tagName = state.input.slice(_position, state.position);\n\n if
(PATTERN_FLOW_INDICATORS.test(tagName)) {\n
throwError(state, 'tag suffix cannot contain flow
indicator characters');\n }\n }\n\n if (tagName && !PATTERN_TAG_URI.test(tagName)) {\n
throwError(state, 'tag name cannot contain such characters: ' + tagName);\n }\n\n if (isVerbatim) {\n state.tag =
tagName;\n\n } else if (_hasOwnProperty.call(state.tagMap, tagHandle)) {\n state.tag = state.tagMap[tagHandle]
+ tagName;\n\n } else if (tagHandle === '!') {\n state.tag = '!' + tagName;\n\n } else if (tagHandle === '!!') {\n
state.tag = 'tag:yaml.org,2002:' + tagName;\n\n } else {\n throwError(state, 'undeclared tag handle \"' + tagHandle
+ '\"');\n }\n\n return true;\n}\n\nfunction readAnchorProperty(state) {\n var _position,\n
ch;\n\n ch =
state.input.charCodeAt(state.position);\n\n if (ch !== 0x26/* & */) return false;\n\n if (state.anchor !== null) {\n
throwError(state, 'duplication of an anchor property');\n }\n\n ch = state.input.charCodeAt(++state.position);\n
_position = state.position;\n\n while (ch !== 0 && !is_WS_OR_EOL(ch) && !is_FLOW_INDICATOR(ch)) {\n
ch = state.input.charCodeAt(++state.position);\n }\n\n if (state.position === _position) {\n throwError(state,
'name of an anchor node must contain at least one character');\n }\n\n state.anchor = state.input.slice(_position,
state.position);\n return true;\n}\n\nfunction readAlias(state) {\n var _position, alias,\n
ch;\n\n ch =
state.input.charCodeAt(state.position);\n\n if (ch !== 0x2A/* * */) return false;\n\n ch =
state.input.charCodeAt(++state.position);\n _position = state.position;\n\n while (ch !== 0 &&
!is_WS_OR_EOL(ch) && !is_FLOW_INDICATOR(ch)) {\n ch = state.input.charCodeAt(++state.position);\n
}\n\n if (state.position === _position) {\n throwError(state, 'name of an alias node must contain at least one
character');\n }\n\n alias = state.input.slice(_position, state.position);\n\n if
(!state.anchorMap.hasOwnProperty(alias)) {\n throwError(state, 'unidentified alias \"' + alias + '\"');\n }\n\n
state.result = state.anchorMap[alias];\n skipSeparationSpace(state, true, -1);\n return true;\n}\n\nfunction
composeNode(state, parentIndent, nodeContext, allowToSeek, allowCompact) {\n var allowBlockStyles,\n
allowBlockScalars,\n
allowBlockCollections,\n
indentStatus = 1, // 1: this>parent, 0: this=parent, -1:
this<parent\n
atNewLine = false,\n
hasContent = false,\n
typeIndex,\n
typeQuantity,\n
type,\n
flowIndent,\n
blockIndent;\n\n if (state.listener !== null) {\n state.listener('open', state);\n }\n\n state.tag =
null;\n state.anchor = null;\n state.kind = null;\n state.result = null;\n\n allowBlockStyles = allowBlockScalars =
allowBlockCollections =\n CONTEXT_BLOCK_OUT === nodeContext ||\n CONTEXT_BLOCK_IN ===
nodeContext;\n\n if (allowToSeek) {\n if (skipSeparationSpace(state, true, -1)) {\n
atNewLine = true;\n\n
if
(state.lineIndent > parentIndent) {\n
indentStatus = 1;\n
} else if (state.lineIndent === parentIndent) {\n
indentStatus = 0;\n
} else if (state.lineIndent < parentIndent) {\n
indentStatus = -1;\n
}\n }\n }\n\n if
(indentStatus === 1) {\n while (readTagProperty(state) || readAnchorProperty(state)) {\n
if
(skipSeparationSpace(state, true, -1)) {\n
atNewLine = true;\n
allowBlockCollections =
allowBlockStyles;\n\n
if (state.lineIndent > parentIndent) {\n
indentStatus = 1;\n
} else if

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null
}]

if (state.lineIndent === 0 &&
    state.input.charCodeAt(state.position) === 0x2D/* - */ &&
    state.input.charCodeAt(state.position + 1) === 0x2D/* - */ &&
    state.input.charCodeAt(state.position + 2) === 0x2D/* - */) {
  state.position += 3;
}

if (state.position < (state.length - 1)) {
  throwError(state, 'end of the stream or a document separator is expected');
} else {
  return;
}

function loadDocuments(input, options) {
  input = String(input);
  options = options || {};

  if (input.length !== 0) {
    // Add tailing `\n` if not exists
    if (input.charCodeAt(input.length - 1) !== 0x0A/* LF */ &&
        input.charCodeAt(input.length - 2) !== 0x0D/* CR */) {
      input += '\n';
    }
    if (input.charCodeAt(0) === 0xFEFF) {
      input = input.slice(1);
    }
  }

  var state = new State(input, options);

  state.input += '\0';

  while (state.input.charCodeAt(state.position) === 0x20/* Space */) {
    state.lineIndent += 1;
    state.position += 1;
  }

  while (state.position < (state.length - 1)) {
    readDocument(state);
  }

  return state.documents;
}

function loadAll(input, iterator, options) {
  var documents = loadDocuments(input, options), index, length;

  if (typeof iterator !== 'function') {
    return documents;
  }

  for (index = 0, length = documents.length; index < length; index += 1) {
    iterator(documents[index]);
  }
}

function load(input, options) {
  var documents = loadDocuments(input, options);

  if (documents.length === 0) {
    return undefined;
  } else if (documents.length === 1) {
    return documents[0];
  }

  throw new YAMLException('expected a single document in the stream, but found more');
}

function safeLoadAll(input, output, options) {
  if (typeof output === 'function') {
    loadAll(input, output, common.extend({ schema: DEFAULT_SAFE_SCHEMA }, options));
  } else {
    return loadAll(input, common.extend({ schema: DEFAULT_SAFE_SCHEMA }, options));
  }
}

function safeLoad(input, options) {
  return load(input, common.extend({ schema: DEFAULT_SAFE_SCHEMA }, options));
}

module.exports.loadAll = loadAll;
module.exports.load = load;
module.exports.safeLoadAll = safeLoadAll;
module.exports.safeLoad = safeLoad;


module chunks = 0", use strict;\n\nvar Type = require('../type');

module.exports = new Type('tag:yaml.org,2002:str', {
  kind: 'scalar',
  construct: function (data) { return data !== null ? data : '';
});


//////////////////
// WEBPACK FOOTER
// node_modules/@kyleshockey/js-yaml/lib/js-yaml/type/str.js
// module id = 525
// module chunks = 0", use strict;\n
var Type = require('../type');

module.exports = new Type('tag:yaml.org,2002:seq', {
  kind: 'sequence',
  construct: function (data) { return data !== null ? data : [];
});


//////////////////
// WEBPACK FOOTER
// node_modules/@kyleshockey/js-yaml/lib/js-yaml/type/seq.js
// module id = 526
// module chunks = 0", use strict;\n
var Type = require('../type');

module.exports = new Type('tag:yaml.org,2002:map', {
  kind: 'mapping',
  construct: function (data) { return data !== null ? data : {};
});


//////////////////
// WEBPACK FOOTER
// node_modules/@kyleshockey/js-yaml/lib/js-yaml/type/map.js
// module id = 527
// module chunks = 0", use strict;\n
var Type = require('../type');

function resolveYamlNull(data) {
  return data === null ? true : false;
}

function constructYamlNull() {
  return null;
}

function isNull(object) {
  return object === null;
}

module.exports = new Type('tag:yaml.org,2002:null', {
  kind: 'scalar',
  resolve: resolveYamlNull,
  construct: constructYamlNull,
  predicate: isNull,
  represent: {
    canonical: function () { return '~';    },
    lowercase: function (object) { return object ? 'true' : 'false'; },
    uppercase: function (object) { return object ? 'TRUE' : 'FALSE'; },
    camelcase: function (object) { return object ? 'True' : 'False'; }
  },
  defaultStyle: 'lowercase'
});


//////////////////
// WEBPACK FOOTER
// node_modules/@kyleshockey/js-yaml/lib/js-yaml/type/bool.js
// module id = 529
// module chunks = 0", use strict;\n
var common = require('../common');
var Type = require('../type');

function isHexCode(c) {
  return ((0x30/* 0 */ <= c) && (c <= 0x39/* 9 */)) ||
         ((0x41/* A */ <= c) && (c <= 0x46/* F */)) ||
         ((0x61/* a */ <= c) && (c <= 0x66/* f */));
}

function isOctCode(c) {
  return ((0x30/* 0 */ <= c) && (c <= 0x37/* 7 */));
}

function isDecCode(c) {
  return ((0x30/* 0 */ <= c) && (c <= 0x39/* 9 */));
}

function resolveYamlInteger(data) {
  if (data === null) return false;

  var max = data.length;
  var return_val = data.length;
  var return_max = max;  

  if (!max) return false;

  var ch = data[0];

  // sign
  if (ch === '-' || ch === '+') {
    ch = data[++index];

  }

  // value should not start with `_`
  if (ch === '_') return false;

  for (var i = 1; i < max; i++) {
    ch = data[i];
    if (!isDecCode(data.charCodeAt(i))) return false;

    // if index < max, index++;
    if (ch === 'b') {
      // base 2
      index++;
      return true;
    } 

    if (ch === 'o') {
      // base 8
      index++;
      return false;
    } 

    if (ch === 'x') {
      // base 16
      index++;
      return false;
    }

    // index < max, index++;
    ch = data[index];
    if (ch === '_') continue;

    if (!isHexCode(data.charCodeAt(ch))) return false;

    if (ch === 't') {
      // base 16
      index++;
      return false;
    } 

    // value should not start with `_`
    if (ch === '_') return false;

    // index < max, index++;
    ch = data[index];
    if (ch === '_') continue;

    if (!isOctCode(data.charCodeAt(ch))) return false;

    if (ch === 'b') {
      // base 2
      index++;
      return true;
    } 

    if (ch === 'o') {
      // base 8
      index++;
      return false;
    } 

    // index < max, index++;
    ch = data[index];
    if (ch === '_') continue;

    if (!isDecCode(data.charCodeAt(ch))) return false;

    if (ch === 't') {
      // base 16
      index++;
      return false;
    } 

    // Should have digits and should not end with `_`
    if (!hasDigits) return false;

    // if !base60 - done;
    if (ch === '_') return false;

    // base60 almost not used, no needs to optimize
  }

  return true;
}

module.exports = new Type('tag:yaml.org,2002:bool', {
  kind: 'scalar',
  resolve: resolveYamlBoolean,
  construct: constructYamlBoolean,
  predicate: isBoolean,
  represent: {
    lowercase: function (object) { return object ? 'true' : 'false'; },
    uppercase: function (object) { return object ? 'TRUE' : 'FALSE'; },
    camelcase: function (object) { return object ? 'True' : 'False'; }
  },
  defaultStyle: 'lowercase'
});


//////////////////
// WEBPACK FOOTER
// node_modules/@kyleshockey/js-yaml/lib/js-yaml/type/null.js
// module id = 528
// module chunks = 0", use strict;
YAML_TIMESTAMP_REGEXP = new RegExp( 
  '^([0-9]\[0-9]\[0-9]\[0-9\])'          
  '-([0-9]\[0-9\]?)'                    
  '-([0-9]\[0-9\])$');                   

var YAML_DATE_REGEXP = new RegExp( 
  '^([0-9]\[0-9]\[0-9]\[0-9\])' 
  '-([0-9]\[0-9\]?)' 
  '-([0-9]\[0-9\])$'); 

var strict';

var Type = require('../type');

var YAML_DATE_REGEXP = new RegExp( 
  '^([0-9]\[0-9]\[0-9]\[0-9\])' 
  '-([0-9]\[0-9\]?)' 
  '-([0-9]\[0-9\])$'); 

var resolve: resolveYamlInteger, 
  construct: constructYamlInteger,
  predicate: isInteger,
  represent: 
    common: resolveYamlInteger,
    construct: constructYamlInteger,
    predicate: isInteger,
    represent: 
      common: isNegativeZero(object)); 

var YAML_FLOAT_PATTERN = new RegExp( 
  // 2.5e4, 
  // special case,
  // .2e4
  // while YAML requres dot: .2e4
  // Fix it with simple hack

  res = object.toString(10);

  // JS stringifier can
  if (isNaN(object)) {
    switch (style) {
      case 'lowercase': return '.nan';
      case 'uppercase': return '.INF';
      case 'camelcase': return '.NaN';
    }
  } else if (Number.NEGATIVE_INFINITY === object) {
    switch (style) {
      case 'lowercase': return '.inf';
      case 'uppercase': return '.INF';
      case 'camelcase': return '.Inf';
    }
  } else if (Number.POSITIVE_INFINITY === object) {
    switch (style) {
      case 'lowercase': return '.inf';
      case 'uppercase': return '.INF';
    }
  } else if (Number.NEGATIVE_INFINITY === object) {
    switch (style) {
      case 'lowercase': return '-.inf';
      case 'uppercase': return '-.INF';
      case 'camelcase': return '-.Inf';
    }
  }

  return SCIENTIFIC_WITHOUT_DOT.test(res) ? res.replace('e', '.e') : res;
}

function isFloat(object) {
  return !common.isNegativeZero(object));

var YAML_DATE_REGEXP = new RegExp( 
  '^([0-9]\[0-9]\[0-9]\[0-9\])' 
  '-([0-9]\[0-9\]?)' 
  '-([0-9]\[0-9\])$'); 

var YAML_DATE_REGEXP = new RegExp( 
  '^([0-9]\[0-9]\[0-9]\[0-9\])' 
  '-([0-9]\[0-9\]?)' 
  '-([0-9]\[0-9\])$');
```
function resolveYamlTimestamp(data) {
  if (data === null)
    return false;
  if (YAML_DATE_REGEXP.exec(data) !== null) return true;
  if (YAML_TIMESTAMP_REGEXP.exec(data) !== null) return true;
  return false;
}

function constructYamlTimestamp(data) {
  var match, year, month, day, hour, minute, second, fraction = 0,
      delta = null, tz_hour, tz_minute, date;

  match = YAML_DATE_REGEXP.exec(data);
  if (match === null) match = YAML_TIMESTAMP_REGEXP.exec(data);

  if (match === null) throw new Error('Date resolve error');

  year = +(match[1]);
  month = +(match[2]) - 1; // JS month starts with 0
  day = +(match[3]);

  if (!match[4]) { // no hour
    return new Date(Date.UTC(year, month, day));
  }

  hour = +(match[4]);
  minute = +(match[5]);
  second = +(match[6]);
  if (match[7]) { // fraction
    fraction = match[7].slice(0, 3);
    while (fraction.length < 3) { // milliseconds
      fraction += '0';
    }
    fraction = +fraction;
  }

  if (match[9]) {
    tz_hour = +(match[10]);
    tz_minute = +(match[11] || 0);
    delta = (tz_hour * 60 + tz_minute) * 60000; // delta in milliseconds
    if (match[9] === '-') delta = -delta;
  }

  date = new Date(Date.UTC(year, month, day, hour, minute, second, fraction));

  if (delta) date.setTime(date.getTime() - delta);

  return date;
}

function representYamlTimestamp(object /*, style*/) {
  return object.toISOString();
}

module.exports = new Type('tag:yaml.org,2002:timestamp',
  resolve: resolveYamlTimestamp,
  construct: constructYamlTimestamp,
  instanceOf: Date,
  represent: representYamlTimestamp
);`

module.exports = new Type('tag:yaml.org,2002:merge',
  resolve: resolveYamlMerge
);`

var NodeBuffer;

try {
  // A trick for browserified version, to not include `Buffer` shim
  var _require = require;
  NodeBuffer = _require('buffer').Buffer;
} catch (__) {}

var Type = require('../type');


// [64, 65, 66] -> [padding, CR, LF]
var BASE64_MAP =
  'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/=\n\r';

```
```
modifiers tail can be maximum 3 chars
if (regexp[0] == '/') { 
  if (tail) modifiers = tail[1];

if (modifiers.length > 3) return false;
// if expression starts with /, is should be properly terminated
if (regexp.length - modifiers.length - 1) { 
  return true;
}
}

function constructJavascriptRegExp(data) { 
  var regexp = data;
  tail = /[gim]$/ exec(data);
  modifiers = ";\n  // /foo/gim - tail can be maximum 4 chars
  if (regexp[0] == '/') { 
    if (tail) modifiers = tail[1];
    regexp = regexp.slice(1, regexp.length - modifiers.length - 1);
  }

  return new RegExp(regexp, modifiers);
}

function constructJavascriptFunction(data) {
  var ast = esprima.parse(source, { range: true }),
      params = [],
      body;

  if (ast.type !== 'Program' ||
      ast.body.length !== 1 ||
      ast.body[0].type !== 'ExpressionStatement' ||
      (ast.body[0].expression.type !== 'ArrowFunctionExpression' &&
        ast.body[0].expression.type !== 'FunctionExpression')) {
    throw new Error('Failed to resolve function');
  }

  ast.body[0].expression.params.forEach(function (param) {
    params.push(param.name);
  });

  body = ast.body[0].expression.body.range;

  // Esprima's ranges include the
  // first '{' and the last '}' characters on
  // function expressions. So cut them out
  if (ast.body[0].expression.body.type === 'BlockStatement') {
    return new Function(params, 'return ' + source.slice(body[0], body[1]));
  }
  // ES6 arrow functions can omit the
  // BlockStatement. In that case, just return
  // the body.
  return new Function(params, 'return ' + source.slice(body[0], body[1]));
}

function isRegExp(object) {
  return _toString.call(object) === '[object RegExp]';
}

module.exports = new Type('tag:yaml.org,2002:js/regexp', {
  kind: 'scalar',
  resolve: resolveJavascriptRegExp,
  construct: constructJavascriptRegExp,
  predicate: isRegExp,
  represent: representJavascriptRegExp
});


//////////////////
// WEBPACK FOOTER
// module.id = 539
// module.chunks = 0

''
```javascript
/** *
 * @anvar CHAR_LEFT_SQUARE_BRACKET = 0x5B; /* [ */
 * @anvar CHAR_RIGHT_SQUARE_BRACKET = 0x5D; /* ] */
 * @anvar CHAR_GRAVE_ACCENT = 0x60; /* ` */
 * @anvar CHAR_LEFT_CURLY_BRACKET = 0x7B; /* { */
 * @anvar CHAR_VERTICAL_LINE = 0x7C; /* | */
 * @anvar CHAR_RIGHT_CURLY_BRACKET = 0x7D; /* } */
 */

var CHAR_LEFT_SQUARE_BRACKET = 0x5B; /* [ */
var CHAR_RIGHT_SQUARE_BRACKET = 0x5D; /* ] */
var CHAR_GRAVE_ACCENT = 0x60; /* ` */
var CHAR_LEFT_CURLY_BRACKET = 0x7B; /* { */
var CHAR_VERTICAL_LINE = 0x7C; /* | */
var CHAR_RIGHT_CURLY_BRACKET = 0x7D; /* } */

var ESCAPE_SEQUENCES = {};

ESCAPE_SEQUENCES[0x00] = '\\\0';
ESCAPE_SEQUENCES[0x07] = '\\a';
ESCAPE_SEQUENCES[0x08] = '\\\b';
ESCAPE_SEQUENCES[0x09] = '\\\t';
ESCAPE_SEQUENCES[0x0A] = '\\\n';
ESCAPE_SEQUENCES[0x0B] = '\\\v';
ESCAPE_SEQUENCES[0x0C] = '\\\f';
ESCAPE_SEQUENCES[0x0D] = '\\\r';
ESCAPE_SEQUENCES[0x1B] = '\\\e';
ESCAPE_SEQUENCES[0x22] = '\\N';
ESCAPE_SEQUENCES[0x22] = '\\\_';
ESCAPE_SEQUENCES[0x28] = '\\\L';
ESCAPE_SEQUENCES[0x29] = '\\\P';

var DEPRECATED_BOOLEAN_SYNTAX = ['y', 'Y', 'yes', 'Yes', 'YES', 'on', 'On', 'ON', '
  N', 'no', 'No', 'NO', 'off', 'Off', 'OFF'];

function compileStyleMap(schema, map) {
  var result, keys, index, length, tag, style,
  type;

  if (map === null) return {};

  result = {};
  keys = Object.keys(map);

  for (index = 0, length =
    keys.length; index < length; index += 1) {
    tag = keys[index];
    style = String(map[tag]);

    if (tag.slice(0, 2) === '!!') {
      tag = 'tag:yaml.org,2002:' + tag.slice(2);
    }
    type = schema.compiledTypeMap['fallback'][tag];

    if (type && _hasOwnProperty.call(type.styleAliases, style)) {
      style = type.styleAliases[style];
    }

    result[tag] = style;
  }

  return result;
}

function encodeHex(character) {
  var string, handle, length;

  string = character.toString(16).toUpperCase();

  if (character <= 0xFF) {
    handle = 'x';
    length = 2;
  } else if (character <= 0xFFFF) {
    handle = 'u';
    length = 4;
  } else if (character <= 0xFFFFFFFF) {
    handle = 'U';
    length = 8;
  } else {
    throw new YAMLException('code point within a string may not be greater than 0xFFFFFFFF');
  }

  return '\\' + handle +
      common.repeat('0', length - string.length) + string;
}

function State(options) {
  this.schema = options['schema'] || DEFAULT_FULL_SCHEMA;
  this.indent = Math.max(1, (options['indent'] || 2));
  this.skipInvalid = options['skipInvalid'] || false;
  this.flowLevel = (common.isNothing(options['flowLevel']) ? -1
    : options['flowLevel']);
  this.styleMap = compileStyleMap(this.schema, options['styles'] || null);
  this.sortKeys = options['sortKeys'] || false;
  this.lineWidth = options['lineWidth'] || 80;
  this.noRefs = options['noRefs'] || false;
  this.noCompatMode = options['noCompatMode'] || false;
  this.condenseFlow = options['condenseFlow'] || false;

  this.implicitTypes = this.schema.compiledImplicit;
  this.explicitTypes =
    this.schema.compiledExplicit;

  this.tag = null;
  this.result = '';

  this.duplicates = [];
  this.usedDuplicates = null;

  this.implicitTypes = state.compiledImplicit;
  this.explicitTypes =
    state.compiledExplicit;
  this.tag = null;
  this.result = '';
  this.duplicates = [];
  this.usedDuplicates = null;

  var ind = common.repeat(' ', spaces),
      position = 0,
      next = -1,
      result = '',
      line,
      length = string.length;

  while (position < length) {
    next = string.indexOf('\n', position);
    if (next === -1) {
      line = string.slice(position);
      position = length;
    } else {
      line = string.slice(position, next + 1);
    }

    result += (line.length && line !== '\n') ?
      indentString(line, spaces) : line;
  }

  return result;
}

function testImplicitResolving(state, str) {
  var index, length, type;

  for (index = 0, length =
    state.implicitTypes.length; index < length; index += 1) {
    type = state.implicitTypes[index];

    if (type.resolve(str)) {
      return true;
    }
  }

  return false;
}

// 
```
CHAR_RIGHT_SQUARE_BRACKET\n && c !== CHAR_LEFT_CURLY_BRACKET\n && c !==
CHAR_RIGHT_CURLY_BRACKET\n // - \":\" - \"#\"\n && c !== CHAR_COLON\n && c !==
CHAR_SHARP;\n}\n\n// Simplified test for values allowed as the first character in plain style.\nfunction
isPlainSafeFirst(c) {\n // Uses a subset of ns-char - c-indicator\n // where ns-char = nb-char - s-white.\n return
isPrintable(c) && c !== 0xFEFF\n && !isWhitespace(c) // - s-white\n // - (c-indicator ::=\n // “-” | “?” | “:” |
“,” | “[” | “]” | “{” | “}”\n && c !== CHAR_MINUS\n && c !== CHAR_QUESTION\n && c !==
CHAR_COLON\n && c !== CHAR_COMMA\n && c !== CHAR_LEFT_SQUARE_BRACKET\n && c
!== CHAR_RIGHT_SQUARE_BRACKET\n && c !== CHAR_LEFT_CURLY_BRACKET\n && c !==
CHAR_RIGHT_CURLY_BRACKET\n // | “#” | “&” | “*” | “!” | “|” | “>” | “'” | “\"”\n && c !==
CHAR_SHARP\n && c !== CHAR_AMPERSAND\n && c !== CHAR_ASTERISK\n && c !==
CHAR_EXCLAMATION\n && c !== CHAR_VERTICAL_LINE\n && c !== CHAR_GREATER_THAN\n
&& c !== CHAR_SINGLE_QUOTE\n && c !== CHAR_DOUBLE_QUOTE\n // | “%” | “@” | “`”)\n && c
!== CHAR_PERCENT\n && c !== CHAR_COMMERCIAL_AT\n && c !==
CHAR_GRAVE_ACCENT;\n}\n\n// Determines whether block indentation indicator is required.\nfunction
needIndentIndicator(string) {\n var leadingSpaceRe = /^\\n* /;\n return leadingSpaceRe.test(string);\n}\n\nvar
STYLE_PLAIN = 1,\n STYLE_SINGLE = 2,\n STYLE_LITERAL = 3,\n STYLE_FOLDED = 4,\n
STYLE_DOUBLE = 5;\n\n// Determines which scalar styles are possible and returns the preferred style.\n//
lineWidth = -1 => no limit.\n// Pre-conditions: str.length > 0.\n// Post-conditions:\n// STYLE_PLAIN or
STYLE_SINGLE => no \\n are in the string.\n// STYLE_LITERAL => no lines are suitable for folding (or
lineWidth is -1).\n// STYLE_FOLDED => a line > lineWidth and can be folded (and lineWidth != -1).\nfunction
chooseScalarStyle(string, singleLineOnly, indentPerLevel, lineWidth, testAmbiguousType) {\n var i;\n var char;\n
var hasLineBreak = false;\n var hasFoldableLine = false; // only checked if shouldTrackWidth\n var
shouldTrackWidth = lineWidth !== -1;\n var previousLineBreak = -1; // count the first line correctly\n var plain =
isPlainSafeFirst(string.charCodeAt(0))\n
&& !isWhitespace(string.charCodeAt(string.length - 1));\n\n if
(singleLineOnly) {\n // Case: no block styles.\n // Check for disallowed characters to rule out plain and single.\n
for (i = 0; i < string.length; i++) {\n
char = string.charCodeAt(i);\n
if (!isPrintable(char)) {\n
return
STYLE_DOUBLE;\n
}\n
plain = plain && isPlainSafe(char);\n }\n } else {\n // Case: block styles
permitted.\n for (i = 0; i < string.length; i++) {\n
char = string.charCodeAt(i);\n
if (char ===
CHAR_LINE_FEED) {\n
hasLineBreak = true;\n
// Check if any line can be folded.\n
if
(shouldTrackWidth) {\n
hasFoldableLine = hasFoldableLine ||\n
// Foldable line = too long, and not
more-indented.\n
(i - previousLineBreak - 1 > lineWidth &&\n
string[previousLineBreak + 1] !== '
');\n
previousLineBreak = i;\n
}\n
} else if (!isPrintable(char)) {\n
return STYLE_DOUBLE;\n
}\n
plain = plain && isPlainSafe(char);\n }\n // in case the end is missing a \\n\n hasFoldableLine =
hasFoldableLine || (shouldTrackWidth &&\n
(i - previousLineBreak - 1 > lineWidth &&\n
string[previousLineBreak + 1] !== ' '));\n }\n // Although every style can represent \\n without escaping, prefer
block styles\n // for multiline, since they're more readable and they don't add empty lines.\n // Also prefer folding a
super-long line.\n if (!hasLineBreak && !hasFoldableLine) {\n // Strings interpretable as another type have to be
quoted;\n // e.g. the string 'true' vs. the boolean true.\n return plain && !testAmbiguousType(string)\n
?
STYLE_PLAIN : STYLE_SINGLE;\n }\n // Edge case: block indentation indicator can only have one digit.\n if
(indentPerLevel > 9 && needIndentIndicator(string)) {\n return STYLE_DOUBLE;\n }\n // At this point we
know block styles are valid.\n // Prefer literal style unless we want to fold.\n return hasFoldableLine ?
STYLE_FOLDED : STYLE_LITERAL;\n}\n\n// Note: line breaking/folding is implemented for only the folded
style.\n// NB. We drop the last trailing newline (if any) of a returned block scalar\n// since the dumper adds its own
newline. This always works:\n// • No ending newline => unaffected; already using strip \"-\" chomping.\n// •
Ending newline => removed then restored.\n// Importantly, this keeps the \"+\" chomp indicator from gaining an
extra line.\nfunction writeScalar(state, string, level, iskey) {\n state.dump = (function () {\n if (string.length ===
0) {\n
return \"''\";\n }\n if (!state.noCompatMode &&\n
DEPRECATED_BOOLEANS_SYNTAX.indexOf(string) !== -1) {\n
return \"'\" + string + \"'\";\n }\n\n var

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// Serializes `object` and writes it to global `result`. 
// Returns true on success, or false on invalid object.

function writeNode(state, level, object, block, compact, iskey) {
  state.tag = null;
  state.dump = object;
  state.usedDuplicates = new Array(datos.length);

  if (writeFlowMapping(state, level, state.dump, compact)) {
    state.dump = '&ref_' + state.dump;
  }

  return true;
}

function dump(input, options) {
  options = options || {};
  var state = new State(options);

  if (!state.noRefs) getDuplicateReferences(input, state);
  if (writeNode(state, 0, input, true, true)) return state.dump + '\n';
  return '';
}

function safeDump(input, options) {
  return dump(input, common.extend({ schema: DEFAULT_SAFE_SCHEMA }, options));
}

module.exports.dump = dump;
module.exports.safeDump = safeDump;


///
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-

export const downloadConfig = (req) => (system) => {
  const {fn: { fetch }} = system
  return fetch(req)
}

export const getConfigByUrl = (req, cb) => ({ specActions }) => {
  if (req)
    return specActions.downloadConfig(req).then(next, next)
  function next(res) {
    if (res instanceof Error || res.status >= 400) {
      specActions.updateLoadingStatus("failedConfig")
      specActions.updateUrl("")
      console.error(res.statusText + " " + req.url)
      cb(null)
    } else {
      cb(parseYamlConfig(res.text))
    }
  }
}


// WEBPACK FOOTER //
// ./src/core/plugins/configs/spec-actions.js

export const get = (state, path) => {
  return state.getIn(Array.isArray(path)
Found in path(s):
* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/swagger-
static/swagger-ui-standalone-preset.js.map

No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/META-
INF/maven/com.smoketurner/dropwizard-swagger/pom.xml

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/*
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
allocUnsafe(that, size) { assertSize(size); that = createBuffer(that, size < 0 ? 0 : checked(size) | 0); if (!Buffer.TYPED_ARRAY_SUPPORT) { for (var i = 0; i < size; i++) { that[i] = 0 } } return that } Buffer.allocUnsafe = function(size) { return allocUnsafe(null, size); } Buffer.allocUnsafeSlow = function(size) { return allocUnsafe(null, size) } ; 

function fromString(that, string, encoding) { if (typeof encoding !== "string" || encoding === "utf8") { throw new TypeError("" + encoding + " is not a valid encoding") } var length = byteLength(string, encoding); that = createBuffer(that, length); var actual = that.write(string, encoding); if (actual !== length) { that = that.slice(0, actual) return that } } fromArrayLike(that, array) { var length = array.length < 0 ? 0 : checked(array.length) for (var i = 0; i < length; i++) { that[i] = array[i] & 255 } return that } fromObject(that, obj) { if (Buffer.isBuffer(obj)) { var len = checked(obj.length) | 0 that = createBuffer(that, len) if (that.length === 0) { return that } obj.copy(that, 0, 0, len) return that } if (obj) { if (typeof ArrayBuffer !== "undefined" && obj.buffer instanceof ArrayBuffer) { if (typeof obj.length !== "number" || isNaN(obj.length)) { throw new TypeError("" + obj.length + "") } return createBuffer(that, 0) return that } if (typeof ArrayBuffer !== "undefined" && ArrayBuffer.isView(obj)) { return that } if (typeof ArrayBuffer !== "undefined") { return that } } throw new TypeError("First argument must be a string, Buffer, ArrayBuffer, Array, or array-like object.") 

slowToString(encoding, start, end) { var lowerCase = false if (start === undefined || start < 0) { start = 0 if (end === undefined) { end = that.length } var buf; if (Buffer.isBuffer(buffers)) { buffers = new Array(buffers) } buffers.compare = function compare(buffers, a, b) { if (buffers.isBuffer(buffers[a]) && buffers.isBuffer(buffers[b])) { throw new TypeError("Arguments must be Buffers") } var a = buffers[a] var b = buffers[b] if (a === b) return 0 var x = a.length var y = b.length if (x > y) return 1 return 0 } ; Buffer.isEncoding = function isEncoding(encoding) { switch (String(encoding).toLowerCase()) { case "hex": return true case "utf8": return true case "utf7": return true case "utf-8": return true case "ascii": return true case "latin1": return true case "binary": return true case "base64": return true case "ucs2": return true case "ucs-2": return true case "utf16le": return true case "utf-16le": return true default: return false } } ; Buffer.concat = function concat(list, length) { if (list.length === 0) { return Buffer.alloc(0) } var i; if (length === undefined) { length = 0 } for (i = 0; i < list.length; i++) { length += list[i].length } var buffer = Buffer.allocUnsafe(length); var pos = 0; for (i = 0; i < list.length; i++) { var buf = list[i] if (Buffer.isBuffer(buf)) { throw new TypeError("" + encoding + " argument must be an Array of Buffers") } } buffer.copy(buffer, pos) return buffer } ; Buffer.byteLength = byteLength; function byteLength(string, encoding) { if (Buffer.isBuffer(string)) { return string.length } return typeof ArrayBuffer !== "undefined" && ArrayBuffer.isView(string) ? string.byteLength : (typeof string !== "string" || string === ") Buffer.byteLength = byteLength; function slowToString(encoding, start, end) { var loweredCase = false for (const char of encoding) { if (char === "a") { loweredCase = true } } Buffer.byteLength = byteLength; function slowToString(encoding, start, end) { var loweredCase = false; for (const char of encoding) { if (char === "a") { loweredCase = true } } Buffer.byteLength = byteLength; function slowToString(encoding, start, end) { ... } }
while(i>0&&((mul*=256))){val+=this[offset--]*mul};mul*=128;if(val>=mul)val=Math.pow(2,8*byteLength);return val};Buffer.prototype.readInt8=function readInt8(offset,noAssert){if(!noAssert)checkOffset(offset,1,this.length);if(!this[offset]&&offset<this.length)return this[offset];return(255-this[offset]+1)*-1};Buffer.prototype.readInt16LE=function readInt16LE(offset,noAssert){if(!noAssert)checkOffset(offset,2,this.length);var val=0;for(;i<offset+1&&val<8;val+=this[offset+i]*256){};return val};Buffer.prototype.readInt16BE=function readInt16BE(offset,noAssert){if(!noAssert)checkOffset(offset,2,this.length);var val=0;for(;;i<offset+1&&val<8;val+=this[offset+i]*256){};return val};Buffer.prototype.readInt32LE=function readInt32LE(offset,noAssert){if(!noAssert)checkOffset(offset,4,this.length);var val=0;for(;;i<offset+3&&val<24;val+=this[offset+i]*256){};return val};Buffer.prototype.readInt32BE=function readInt32BE(offset,noAssert){if(!noAssert)checkOffset(offset,4,this.length);var val=0;for(;;i<offset+3&&val<24;val+=this[offset+i]*256){};return val};Buffer.prototype.readFloatLE=function readFloatLE(offset,noAssert){if(!noAssert)checkOffset(offset,4,this.length);return ieee754.read(this,offset,1,23,4)};Buffer.prototype.readFloatBE=function readFloatBE(offset,noAssert){if(!noAssert)checkOffset(offset,4,this.length);return ieee754.read(this,offset,1,23,4)};Buffer.prototype.writeUIntLE=function writeUIntLE(value,offset,byteLength,noAssert){value=value|0;offset=offset|0;byteLength=byteLength|0;if(!noAssert){var maxBytes=Math.pow(2,8*byteLength)-1;checkInt(this,value,offset,byteLength,maxBytes,0)}var mul=1;var i=0;this[offset]=value&255;while(++i<byteLength&&(mul*=256)){this[offset+i]=value/mul&255}return offset+byteLength};Buffer.prototype.writeUIntBE=function writeUIntBE(value,offset,byteLength,noAssert){value=value|0;offset=offset|0;byteLength=byteLength|0;if(!noAssert){var maxBytes=Math.pow(2,8*byteLength)-1;checkInt(this,value,offset,byteLength,maxBytes,0)}var i=byteLength-1;var mul=1;this[offset+i]=value&255;while(--i>=0&&mul*256){this[offset+i]=value/mul&255}return offset+byteLength};Buffer.prototype.writeUInt8=function writeUInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAssert)checkInt(this,value,offset,1,255,0)};writeInt8(value,offset,noAssert){value=value|0;offset=offset|0;if(!noAsses
getMapData(this,key).get(key)}module.exports=mapCacheGet},function(module,exports,\_webpack\_require\_){var getMapData=\_webpack\_require\_(99);function mapCacheHas(key)\{return getMapData(this,key).has(key)}module.exports=mapCacheHas},function(module,exports,\_webpack\_require\_){var getMapData=\_webpack\_require\_(99);function mapCacheSet(key,value)\{var data=getMapData(this,key),size=data.size;data.set(key,value);this.size+=data.size==size?0:1;return this\}module.exports=mapCacheSet},function(module,exports,\_webpack\_require\_){var getMapData=__webpack_require__(99);function mapCacheHas(key)\{return getMapData(this,key).has(key)\}module.exports=mapCacheHas},function(module,exports,\_webpack\_require\_){var getMapData=__webpack_require__(99);function mapCacheSet(key,value)\{var data=getMapData(this,key),size=data.size;data.set(key,value);this.size+=data.size==size?0:1;return this\}module.exports=mapCacheSet},function(module,exports,\_webpack\_require\_){var createFind=\_webpack\_require\_(434),findIndex=\_webpack\_require\_(472);var find=createFind(findIndex);module.exports=find},function(module,exports,\_webpack\_require\_){var baseIteratee=\_webpack\_require\_(100),isArrayLike=\_webpack\_require\_(72),keys=\_webpack\_require\_(55);function createFind(findIndexFunc)\{return function(collection,predicate,fromIndex)\{var iterable=Object(collection);if(!isArrayLike(collection))\{var iteratee=baseIteratee(predicate,3);collection=keys(collection);predicate=function(key){return iteratee(iterable[key],key,iterable)}\}var index=findIndexFunc(collection,predicate,fromIndex);return index>-1?iteratee?collection[index]:undefined\}module.exports=createFind},function(module,exports,\_webpack\_require\_){var baseIsMatch=\_webpack\_require\_(436),getMatchData=\_webpack\_require\_(462),matchesStrictComparable=\_webpack\_require\_(208);function baseMatches(source)\{var matchData=getMatchData(source)\;if(matchData.length==1&\&matchData[0][2])\{return matchesStrictComparable(matchData[0][0],matchData[0][1])\}return function(object){return object===source||baseIsMatch(object,source,matchData)}}module.exports=baseMatches},function(module,exports,\_webpack\_require\_){var Stack=\_webpack\_require\_(131),baseIsEqual=\_webpack\_require\_(197);var COMPARE_PARTIAL\_FLAG=1,COMPARE\_UNORDERED\_FLAG=2;function baseIsMatch(object,source,matchData,customizer)\{var stack=new Stack;if(customizer)\{var result=customizer(object,source,stack)}if(!(result===undefined?baseIsEqual(source,object,COMPARE\_PARTIAL\_FLAG|COMPARE\_UNORDERED\_FLAG,customizer,stack):result)){return false}var index=matchData.length,length=index,noCustomizer=!customizer;while(index--)\{var data=matchData[index];if(noCustomizer&&data[2]?data[1]!==object[data[0]]:(data[0]in object))\{return false\}}while(++index<length){data=matchData[index];var key=data[0],objValue=object[key],srcValue=data[1];if(noCustomizer&&data[2])\{if(objValue===undefined&\&!(key in object))\{return false\}\}else\{var stack=new Stack;\if(customizer)\{var result=customizer(objValue,srcValue,key,object,source,stack)}\if(!(result===undefined?baseIsEqual(srcValue,object,Va

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hasOwnProperty=objectProto.hasOwnProperty;

baseIsEqualDeep(object, other, bitmask, customizer, equalFunc, stack) {
    var objIsArr = isArray(object), othIsArr = isArray(other), objTag = objIsArr ? arrayTag : getTag(object), othTag = othIsArr ? arrayTag : getTag(other);
    objTag = objTag == argsTag ? objectTag : objTag; othTag = othTag == argsTag ? objectTag : othTag;
    var objObj = objTag == objectTag, othObj = othTag == objectTag, sameTag = objTag == othTag;
    if (isSameTag & & isBuffer(objTag)) {
        return false;}
    objIsArr = true & objObj = false & isSameTag & & !objObj)}

}__stack__=(stack=new Stack);return objIsArr & !objIsObj{var objUnwrapped = objIsWrapped & & hasOwnProperty.call(object, "__wrapped__"), othUnwrapped = othIsWrapped & & hasOwnProperty.call(other, "__wrapped__"); if (objIsWrapped || othIsWrapped) {
        var objUnwrapped = objIsWrapped ? object : othUnwrapped = othIsWrapped ? other : (other: stack = new Stack); return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack)}}

}return false;}

}isSameTag & & isBuffer(objTag) {
return false;}

}return objIsArr & !objIsObj{
var objUnwrapped = objIsWrapped ? object : othUnwrapped = othIsWrapped ? other : (other: stack = new Stack); return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack))}

}if (!isSameTag) {
return false;}

}stack = new Stack;return equalObjects(object, other, bitmask, customizer, equalFunc, stack)}

}Module.exports = baseIsEqualDeep, function (module.exports, __webpack_require__) {

}MapCache = __webpack_require__(129), setCacheAdd = __webpack_require__(444), setCacheHas = __webpack_require__(445);

function SetCache(values) {
    var index = -1, length = values == null ? 0 : values.length;
    this.__data__ = new MapCache;
    while (++index < length) {
        this.add(values[index]);
    }

}SetCache.prototype.add = SetCache.prototype.push = setCacheAdd;

SetCache.prototype.has = setCacheHas;

}module.exports = SetCache, function (module.exports) {

}function setCacheAdd(value) {
    this.__data__.set(value, HASH_UNDEFINED);
    return this;

}module.exports = setCacheAdd, function (module.exports) {

}function setCacheHas(value) {
    return this.__data__.has(value);

}module.exports = setCacheHas, function (module.exports) {

}function cacheHas(cache, key) {
    return cache.has(key);}

}module.exports = cacheHas, function (module.exports, __webpack_require__) {

}var Symbol = __webpack_require__(54), Uint8Array = __webpack_require__(200), eq = __webpack_require__(71), equalArrays = __webpack_require__(198), mapToArray = __webpack_require__(448), setToArray = __webpack_require__(449); var COMPARE_PARTIAL_FLAG = 1, COMPARE_UNORDERED_FLAG = 2;

var boolTag = "[object Boolean]", dateTag = "[object Date]", errorTag = "[object Error]", mapTag = "[object Map]", numberTag = "[object Number]", regexpTag = "[object RegExp]", setTag = "[object Set]", stringTag = "[object String]", symbolTag = "[object Symbol]";

var arrayBufferTag = "[object ArrayBuffer]", dataViewTag = "[object DataView]";


function equalByTag(object, other, bitmask, customizer, equalFunc, stack) {

}switch (tag) {

}case symbolTag:
    if (symbolValueOf) {
        return symbolValueOf.call(object) == symbolValueOf.call(other);
    }

}return false;}

}module.exports = equalByTag, function (module.exports) {

}function mapToArray(map) {

}var index = -1, result = Array(map.size):

}map.forEach(function (value, key) {

}result[++index] = [key, value]); return

}
result}module.exports=mapToArray},function(module,exports){function setToArray(){var index=-1,result=Array(set.size);set.forEach(function(value){result[++index]=value});return result}module.exports=setToArray},function(module,exports,__webpack_require__){var getAllKeys=__webpack_require__(201);var COMPARE_PARTIAL_FLAG=1;var objectProto=Object.prototype;var hasOwnProperty=objectProto.hasOwnProperty;function equalObjects(object,other,bitmask,customizer,equalFunc,stack){var isPartial=bitmask&COMPARE_PARTIAL_FLAG,objProps=getAllKeys(object),objLength=objProps.length,othProps=getAllKeys(other),othLength=othProps.length;if(objLength!=othLength&&!isPartial){return false}var index=objLength;while(index-->){var key=objProps[index];if(!isPartial?in other:hasOwnProperty.call(other,key)){return false}var stacked=stack.get(object);if(stacked&&stack.get(other)){return stacked==other}var result=true;stack.set(object,other);stack.set(other,object);var skipCtor=isPartial;while(++index<objLength){var key=objProps[index];var objValue=object[key],othValue=other[key];if(customizer){var compared=isPartial?customizer(othValue,objValue,key,other,object,stack):customizer(objValue,othValue,key,object,other,stack)}if(!compared){result=false;break}skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipCtor||;skipC...
CONTEXFLOW_OUT=2; var CONTEXT_BLOCK_IN=3; var CONTEXT_BLOCK_OUT=4; var CHOMPING_CLIP=1; var CHOMPING_STRIP=2; var CHOMPING_KEEP=3; var PATTERN_NON_PRINTABLE=\/[\x00-\x08\x0B\x0C\x0E-\x1F\x7F-\x84\x86-\x9F\uFFE\uFFF]/; var DUBIFF=\[/\uDC00-\uDFFF]/; var PATTERN_NON_ASCII_LINE_BREAKS=\[/\x85\u2028\u2029\]/; var PATTERN_FLOW_INDICATORS=\[,\[\]\{\}\]/; var PATTERN_TAG_HANDLE=/^(?:!|!!|![a-z-]+!$/i; var PATTERN_TAG_URI=/^(?:!|[^,\[\]\{\}])\%[0-9a-f]{2}|\[0-9a-z-#;:/@&=+$,_\-.!~\*\('()\[\]\\]/; var is_EOL = c => c === 10 || c === 13; var is_WHITE_SPACE = c => c === 9 || c === 32; var is_WS_OR_EOL = c => c === 9 || c === 32 || c === 10 || c === 13; var is_FLOW_INDICATOR = c => c === 44 || c === 91 || c === 93 || c === 123 || c === 125; var fromHexCode = c => { var lc; if (48 <= c && c <= 57) { return c - 48 } lc = c | 32; if (97 <= lc && lc <= 102) { return lc - 97 + 10 } return -1 } var escapedHexLen = c => { if (c === 120) { return 2 } if (c === 117) { return 4 } if (c === 85) { return 8 } return 0 } var fromDecimalCode = c => { if (48 <= c && c <= 57) { return c - 48 } return -1 } var simpleEscapeSequence = c => { if (c === 48) { return "\0" } if (c === 97) { return "\" } if (c === 98) { return \b } if (c === 116) { return \t } if (c === 9) { return \n } if (c === 110) { return \v } if (c === 118) { return \f } if (c === 102) { return \r } } var charFromCodepoint = c => { if (c <= 65535) { return String.fromCharCode(c) } return String.fromCharCode((c - 65536 >> 10) + 55296, (c - 65536 & 1023) + 56320) } var simpleEscapeCheck = new Array(256); var simpleEscapeMap = new Array(256); for (var i = 0; i < 256; i++) { simpleEscapeCheck[i] = simpleEscapeSequence(i) ? 1 : 0; simpleEscapeMap[i] = simpleEscapeSequence(i) } var directvHandlers = { YAML: function handleYamlDirective(name, args) { var match, major, minor; if (state.version !== null) { throwError(state, "duplicated %YAML directive") } if (args.length !== 1) { throwError(state, "YAML directive accepts exactly one argument") } match = /^(\[0-9]+)(?:\.[0-9]+)?$/; exec(args[0]); if (match === null) { throwError(state, "ill-formed argument of the YAML directive") } major = parseInt(match[1], 10); minor = parseInt(match[2], 10); if (major !== 1) { throwError(state, "unacceptable e YAML version of the document") } state.version = args[0]; state.checkLineBreaks = minor < 2; if (minor !== 1 && minor !== 2) { throwError(state, "unsupported YAML version of the document") } }, TAG: function handleTagDirective(name, args) { var handle, prefix; if (args.length !== 2) { throwError(state, "TAG directive accepts exactly two arguments") } handle = args[0]; prefix = args[1]; if (PATTERN_TAG_HANDLE.test(handle)) { throwError(state, "ill-formed tag handle (first argument) of the TAG directive") } if (_hasOwnProperty.call(state.tagMap, handle)) { throwError(state, "there is a previously declared suffix for "+handle+" (tag handle)") } if (PATTERN_TAG_URI.test(prefix)) { throwError(state, "ill-formed tag prefix (second argument) of the TAG directive") } state.tagMap[handle] = prefix } }; function captureSegment(state, start, end, checkJson) { var _position, _character, _result; if (start < end) { _result = state.input.slice(start, end); if (checkJson) { for (_position = 0, _length = _result.length; _position < _length; _position += 1) { _character = _result.charCodeAt(_position); if (_character >= 32) { state.character += 1; } } } } else if (PATTERN_NON_PRINTABLE.test(_result)) { throwError(state, "the stream contains non-printable"
(state.result) { return true } state.kind = _kind; state.result = _result; return false }

function readSingleQuotedScalar(state, nodeIndent) {
    var ch, captureStart, captureEnd;
    ch = state.input.charCodeAt(state.position);
    if (ch !== 39) { return false; }
    state.kind = "Scalar";
    state.result = "";
    while ((ch = state.input.charCodeAt(state.position)) !== 0)
    {
        if (ch === 39)
        {
            if (state.inFlow())
            {
                state.position = state.position + 1;
                state.result = state.result + state.input.substring(state.position - 1, state.position);
                captureEnd = state.position;
            }
            else { return true; }
        }
        else
        {
            state.result = state.result + state.input.charAt(state.position);
            captureEnd = state.position;
        }
    }
}

function readDoubleQuotedScalar(state, nodeIndent) {
    var captureStart, captureEnd, hexLength, hexResult, tmp, ch;
    ch = state.input.charCodeAt(state.position);
    if (ch !== 34) { return false; }
    state.kind = "Scalar";
    state.result = "";
    state.position = state.position + 1;
    captureStart = captureEnd = state.position;
    while ((ch = state.input.charCodeAt(state.position)) !== 0)
    {
        if (ch === 34)
        {
            captureSegment(state, captureStart, state.position, true);
            state.position = state.position + 1;
            return true;
        }
        else
        {
            if (ch === 92)
            {
                captureSegment(state, captureStart, state.position, true);
                ch = state.input.charCodeAt(++state.position);
                if (is_EOL(ch))
                {
                    skipSeparationSpace(state, false, nodeIndent);
                    captureStart = captureEnd = state.position;
                }
                else if (ch < 256 && simpleEscapeCheck[ch])
                {
                    state.result = state.result + simpleEscapeMap[ch];
                    state.position = state.position + 1;
                }
                else
                {
                    if ((tmp = escapedHexLen(ch)) > 0)
                    {
                        hexLength = tmp;
                        hexResult = 0;
                        for (; hexLength > 0; hexLength--)
                        {
                            ch = state.input.charCodeAt(++state.position);
                            if ((tmp = fromHexCode(ch)) >= 0)
                            {
                                hexResult = (hexResult << 4) + tmp;
                            }
                            else
                            {
                                throwError(state, "expected hexadecimal character")
                            }
                        }
                        state.result = state.result + charFromCodepoint(hexResult);
                        state.position = state.position + 1;
                    }
                    else
                    {
                        throwError(state, "unknown escape sequence")
                    }
                    captureStart = captureEnd = state.position;
                }
            }
            else
            {
                if (is_EOL(ch))
                {
                    captureSegment(state, captureStart, state.position, true);
                    writeFoldedLines(state, skipSeparationSpace(state, false, nodeIndent));
                    captureStart = captureEnd = state.position;
                }
                else
                {
                    if (state.position === state.lineStart && testDocumentSeparator(state))
                    {
                        throwError(state, "unexpected end of the document within a single quoted scalar")
                    }
                    state.result = state.result + state.input.charAt(state.position);
                    captureEnd = state.position;
                }
            }
        }
    }
    throwError(state, "unexpected end of the stream within a single quoted scalar")
}

function readFlowCollection(state, nodeIndent) {
    var readNext = true, _line, _tag = state.tag, _result, _anchor = state.anchor, following, terminator, isPair, isExplicitPair, isMapping, g, overridableKeys = [], keyNode, keyTag, valueNode, ch;
    ch = state.input.charCodeAt(state.position);
    if (ch === 91) { terminator = 93; isMapping = false; }
    else if (ch === 123) { terminator = 125; isMapping = true; }
    else
    {
        throwError(state, "expected left bracket or left curly brace for start of flow collection")
    }
    captureStart = captureEnd = state.position;
    while (ch !== 0)
    {
        skipSeparationSpace(state, true, nodeIndent);
        ch = state.input.charCodeAt(state.position);
        if (ch === terminator)
        {
            state.position = state.position + 1;
            state.tag = _tag;
            state.anchor = _anchor;
            state.kind = isMapping ? "mapping" : "sequence";
            state.result = _result;
            return true;
        }
        else if (!readNext)
        {
            throwError(state, "missed comma between flow collection entries")
        }
        else
        {
            if (isWS_OR_EOL(following))
            {
                isExplicitPair = false;
            }
            else
            {
                isExplicitPair = true;
            }
            skipSeparationSpace(state, true, nodeIndent);
            _line = state.line;
            composeNode(state, nodeIndent, CONTEXT_FLOW_IN, false, true);
            keyTag = state.tag;
            keyNode = state.result;
            skipSeparationSpace(state, true, nodeIndent);
            ch = state.input.charCodeAt(state.position);
            if (isExplicitPair)
            {
                state.line ==_line;
                ch = state.input.charCodeAt(state.position);
                keyNode = state.anchor;
                keyTag = state.tag;
                isPair = true;
            }
            else if (isMapping)
            {
                storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, valueNode);
            }
            else
            {
                throwError(state, "unexpected end of the stream within a single quoted scalar")
            }
        }
    }
}

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of the stream within a flow collection")}}

```javascript
function readBlockScalar(state, nodeIndent) {
  var captureStart, folding, chomping = CHOMPING_CLIP, didReadContent = false, detectedIndent = false, textIndent = nodeIndent, emptyLines = 0, atMoreIndented = false, tmp, ch; ch = state.input.charCodeAt(state.position); if (ch === 124) {
    folding = true; return false; }
  if (ch === 62) {
    folding = false; detectedIndent = true; return true; }

  state.kind = "scalar"; state.result = "".

  while (ch !== 0) {
    if (ch === 43 || ch === 45) {
      if (CHOMPING_CLIP === chomping) {
        chomping = ch === 43 ? CHOMPING_KEEP : CHOMPING_STRIP
      } else {
        throw Error(state, "repeat of a chomping mode identifier")
      }
    } else if (is_WHITE_SPACE(ch)) {
      do {
        ch = state.input.charCodeAt(++state.position)
      } while (is_WHITE_SPACE(ch))
    }

    if (ch === 35) {
      do {
        ch = state.input.charCodeAt(++state.position)
      } while (is_EOL(ch))
    }

    if (is_EOL(ch)) {
      emptyLines++;
    } else {
      state.lineIndent = 0;
      ch = state.input.charCodeAt(state.position);
      while (state.lineIndent < textIndent && ch === 32) {
        state.lineIndent++;
        ch = state.input.charCodeAt(++state.position)
      }
      if (state.lineIndent > textIndent) {
        textIndent = state.lineIndent
      }
      if (is_EOL(ch)) {
        state.lineIndent = 0;
        continue;
      }
      if (state.lineIndent < textIndent) {
        if (chomping === CHOMPING_KEEP) {
          state.result += common.repeat("\n", didReadContent ? 1 + emptyLines : emptyLines)
        } else if (chomping === CHOMPING_CLIP) {
          if (didReadContent) {
            state.result += "\n"
          }
        }
      } else if (folding) {
        if (is_WHITE_SPACE(ch)) {
          atMoreIndented = true;
          state.result += common.repeat("\n", didReadContent ? 1 + emptyLines : emptyLines)
        } else if (atMoreIndented) {
          atMoreIndented = false;
          state.result += common.repeat("\n", emptyLines + 1)
        } else {
          throw Error(state, "bad explicit indentation width of a block scalar; cannot be less than one")
        }
      }
      ch = state.input.charCodeAt(state.position); if (ch !== 0) {
        if (folding) {
          if (is_WHITE_SPACE(ch)) {
            state.result += common.repeat("\n", didReadContent ? 1 + emptyLines : emptyLines)
          } else if (atMoreIndented) {
            atMoreIndented = false;
            state.result += common.repeat("\n", emptyLines + 1)
          } else {
            state.result += common.repeat("\n", didReadContent ? 1 + emptyLines : emptyLines)
          }
          didReadContent = true;
          detectedIndent = true;
          emptyLines = 0;
          captureStart = state.position;
          while (!is_EOL(ch) && ch !== 0) {
            ch = state.input.charCodeAt(++state.position)
          }
          captureSegment(state, captureStart, state.position, false)
        } else {
          throw Error(state, "bad explicit indentation of a sequence entry")
        }
      }
    } else if (is_WS_OR_EOL(ch)) {
      throw Error(state, "a whitespace character is expected after the key-value separator within a block")
    }
  }
}
```

```javascript
function readBlockSequence(state, nodeIndent) {
  var _line, _tag = state.tag, _anchor = state.anchor, _result = [], following, detected = false, ch, i, is_WHITE_SPACE, is_EOL = null, keyTag = null, keyNode = null, valueNode = null, atExplicitKey = false, detectedKey = false, state.anchor !== null, state.anchorMap[state.anchor][state.tag][state.anchor] = state.input.charCodeAt(state.position);}

  state.position = (ch === 63) ? state.input.charCodeAt(++state.position) : state.position;

  if (ch === 63) {
    if (atExplicitKey) {
      storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, null);
      state.tag = null;
    } else if (is_WS_OR_EOL(following)) {
      throwError(state, "incomplete explicit mapping pair; a key node is missed; or followed by a non-tabulated empty line")
    }
  }

  if (state.anchor !== null) {
    state.anchorMap[state.anchor][_result].push(null); ch = state.input.charCodeAt(state.position);
  }

  while (is_WS_OR_EOL(ch)) {
    ch = state.input.charCodeAt(++state.position);
    if (!is_WS_OR_EOL(ch)) {
      throw Error(state, "a whitespace character is expected after the key-value separator within a block")
    }
  }
```

```javascript
function readBlockMapping(state, nodeIndent, flowIndent) {
  var following, allowCompact = null, keyTag = null, keyNode = null, valueNode = null, atExplicitKey = false, detectedKey = false, state.anchor !== null, state.anchorMap[state.anchor][state.tag][state.anchor] = state.input.charCodeAt(state.position);}

  state.position = (ch === 63) ? state.input.charCodeAt(++state.position) : state.position;

  if (ch === 63) {
    if (atExplicitKey) {
      storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, null);
      state.tag = null;
    } else if (is_WS_OR_EOL(following)) {
      throw Error(state, "incomplete explicit mapping pair; a key node is missed; or followed by a non-tabulated empty line")
    }
  }
```

```javascript
function readLineBreak(state) {
  var lineIndent = state.lineIndent;

  if (is_EOL(state.input.charCodeAt(state.position))) {
    state.lineIndent = 0;
    state.line = _line;
    _result.push(state.result);
    state.result = "";
  } else {
    throw Error(state, "expected a newline character after the line break")
  }
}
```

```javascript
function composeNode(state, flowIndent, context) {
  var line = state.line, anchor = state.anchor, tag = state.tag, overridableKeys = [], keyTag = null, keyNode = null, valueNode = null, atExplicitKey = false, detectedKey = false, state.anchor !== null, state.anchorMap[state.anchor][state.tag][state.anchor] = state.input.charCodeAt(state.position);}

  state.position = (ch === 63) ? state.input.charCodeAt(++state.position) : state.position;

  if (ch === 63) {
    if (atExplicitKey) {
      storeMappingPair(state, _result, overridableKeys, keyTag, keyNode, null);
      state.tag = null;
    } else if (is_WS_OR_EOL(following)) {
      throw Error(state, "incomplete explicit mapping pair; a key node is missed; or followed by a non-tabulated empty line")
    }
  }
```
null:indent=indent|4|maxLength=maxLength|75:head="";start:position:2|=0;&amp;&amp;"0\n\u2028\u2029":indexOf(this.buffer.charAt(start-1))==-1){start+=1;if(this.position-start&gt;maxLength/2-1){head=" ... ";start+=5;break} tail="";end:position:while(end&lt;this.buffer.length&amp;&amp;"0\n\u2028\u2029":indexOf(this.buffer.charAt(end))==-1)){end+=1;if(end:position:2-2|=1);tail="";end|=5;break} snippet:this.buffer.slice(start,end);return common.repeat(" ",indent)+head+snippet+tail+"\n"+common.repeat(" ",indent)+this.position-start+head.length+"\n").Mark.prototype.toString=function toString(compact){return Mark.prototype.toString(compact);var where="":if(this.name){where=+in this.name+" ";where+=+at line "+(this.line+1)+"", column "+(this.column+1);if(!compact){snippet:this.getSnippet();if(snippet){where+="+\n"+snippet}return where};module.exports=Mark].function(module,exports,_webpack_require_(__webpack_require__)"use strict":var Type=_webpack_require__11);module.exports=new Type("tag:yaml.org,2002:str",{kind:"scalar",construct:function(data){return data!==null?data:""})},function(module,exports,_webpack_require_(__webpack_require__)"use strict":var Type=_webpack_require__11);module.exports=new Type("tag:yaml.org,2002:seq",{kind:"sequence",construct:function(data){return data!==null?data:[]}},function(module,exports,_webpack_require_(__webpack_require__)"use strict":var Type=_webpack_require__11);module.exports=new Type("tag:yaml.org,2002:map",{kind:"mapping",construct:function(data){return data!==null?data:[]}]}),function(module,exports,_webpack_require_(__webpack_require__)"use strict":var
code.idx.bitlen=0,max=data.length,map=BASE64_MAP;for(idx=0;idx<max;idx++)\{code=map.indexOf(data.charAt(idx));\}if(code>64)continue;if(code<0)return false;bitlen+=6\}return bitlen%8===0\}function
constructYamlBinary(data)\{var
idx,tailbits,input=data.replace(/\[\r\n\=]/g,\"\"\"\"\")\,max=input.length,map=BASE64_MAP;bits=0;result=\[]\;for(idx=0;idx<max;idx++)\{if(idx%4===0&&idx)\{result.push(bits>>16&255);result.push(bits>>8&255);result.push(bits&255)\}bits=bits<<6\}map.indexOf(input.charAt(idx))\}tailbits=max%4*6;if(tailbits===0)\{result.push(bits>>16&255);result.push(bits>>8&255);result.push(bits&255)\}else
if(tailbits===18)result.push(bits>>10&255);result.push(bits>>2&255)\}else
if(tailbits===12)\{result.push(bits>>4&255)\}if(NodeBuffer)\{return NodeBuffer.from?NodeBuffer.from(result):new
NodeBuffer(result)\}return result\}function
constructYamlOmap(data)\{if(data===null)return true;var
objectKeys=\[],index,length,pair,pairKey,pairHasKey,object=data;for(index=0,length=object.length;index<length;index+=1)\{pair=object[index];pairHasKey=false;if(_toString.call(pair)\"\"\"object Object\"\")\{return false\}pairHasKey=true;else return
false\}if(!pairHasKey)\{return false\}objectKeys.push(pairKey)\}if(!object)\{return false\}else
return true;\}function
constructYamlPairs(data)\{return data!==null?data:\[]\}function
constructYamlSet(data)\{return data===null?data:{\}\}function
representYamlOmap(data)\{if(data===null)\{return true;var
objectKeys=\[],index,length,pair,pairKey,pairHasKey,object=data;for(index=0,length=object.length;index<length;index+=1)\{pair=object[index];pairHasKey=false;if(_toString.call(pair)\"\"\"object Object\"\")\{return false\}pairHasKey=true;else return
false\}if(!pairHasKey)\{return false\}objectKeys.push(pairKey)\}if(!object)\{return false\}else
return true;\}function
constructYamlOmap(data)\{\}function
constructYamlPairs(data)\{\}function
constructYamlSet(data)\{\}function
representYamlOmap(data)\{\}function
representYamlPairs(data)\{\}function
representYamlSet(data)\{\}
null, null, OFF], function compileStyleMap(schema, map) {
  var result, keys, index, length, tag, style, type;
  if (map === null) return {};
  result = {};
  keys = Object.keys(map);
  for (index = 0, length = keys.length; index < length; index += 1) {
    tag = keys[index];
    style = String(map[tag]);
    if (tag.slice(0, 2) === "!!") {
      tag = "tag:yaml.org,2002:" + tag.slice(2);
    }
    type = schema.compiledTypeMap["fallback"].styleAliases[style];
    if (type) {
      tag = type.styleAliases[tag];
    }
    result[tag] = style;
  }
  return result;
}

function encodeHex(character) {
  var string, handle, length;
  string = character.toString(16).toUpperCase();
  if (character <= 255) {
    handle = "x"
  } else if (character <= 65535) {
    handle = "u"
  } else if (character <= 4294967295) {
    handle = "U"
  } else {
    throw new YAMLException("code point within a string may not be greater than 0xFFFFFFFF")
  }
  return "\\" + handle + common.repeat("0", length - string.length) + string
}

State(options) {
  this.schema = options["schema"] || DEFAULT_FULL_SCHEMA;
  this.indent = Math.max(1, options["indent"] || 2);
  this.skipInvalid = options["skipInvalid"] || false;
  this.flowLevel = common.isNothing(options["flowLevel"])? 1 : options["flowLevel"];
  this.styleMap = compileStyleMap(this.schema, options["styles"] || null);
  this.sortKeys = options["sortKeys"] || false;
  this.lineWidth = options["lineWidth"] || 80;
  this.noRefs = options["noRefs"] || false;
  this.noCompatMode = options["noCompatMode"] || false;
  this.condenseFlow = options["condenseFlow"] || false;
  this.implicitTypes = this.schema.compiledImplicit;
  this.explicitTypes = this.schema.compiledExplicit;
  this.tag = null;
  this.result = "";
  this.duplicates = [];
  this.usedDuplicates = null;
}

function generateNextLine(state, level) {
  return "\n" + common.repeat(" ", state.indent * level) + state.result
}

function testImplicitResolving(state, str) {
  var index, length, type;
  for (index = 0, length = state.implicitTypes.length; index < length; index += 1) {
    type = state.implicitTypes[index];
    if (type.resolve(str)) {
      return true;
    }
  }
  return false;
}

function isWhitespace(c) {
  return c === CHAR_SPACE || c === CHAR_TAB;
}

function isPrintable(c) {
  return 32 <= c && c <= 126 || 161 <= c && c <= 55295 && c !== 8232 && c !== 8233 || 57344 <= c && c <= 65533 && c !== 65279 || 65536 <= c && c <= 1114111;
}

function isPlainSafe(c) {
  return isPrintable(c) && c !== 65279 && c !== CHAR_COMMA && c !== CHAR_LEFT_SQUARE_BRACKET && c !== CHAR_RIGHT_SQUARE_BRACKET && c !== CHAR_LEFT_CURLY_BRACKET && c !== CHAR_RIGHT_CURLY_BRACKET && c !== CHAR_COLON && c !== CHAR_SHARP;
}

function isPlainSafeFirst(c) {
  return isPrintable(c) && c !== 65279 && !isWhitespace(c) && c !== CHAR_MINUS && c !== CHAR_QUESTION && c !== CHAR_COLON && c !== CHAR_COMMA && c !== CHAR_LEFT_SQUARE_BRACKET && c !== CHAR_RIGHT_SQUARE_BRACKET && c !== CHAR_LEFT_CURLY_BRACKET && c !== CHAR_RIGHT_CURLY_BRACKET && c !== CHAR_ASTERISK && c !== CHAR_EXCLAMATION && c !== CHAR_VERTICAL_LINE && c !== CHAR_GREATER_THAN && c !== CHAR_SINGLE_QUOTE && c !== CHAR_DOUBLE_QUOTE && c !== CHAR_PERCENT && c !== CHAR_COMMERCIAL_AT && c !== CHAR_RAVE_ACCENT;
}

function needIndentIndicator(string) {
  return leadingSpaceRe.test(string);
}

var STYLE_PLAIN = 1,
STYLE_SINGLE = 2,
STYLE_LITERAL = 3,
STYLE FOLDED = 4,
STYLE DOUBLE = 5;

function chooseScalarStyle(string, singleLineOnly, indentPerLevel, lineWidth, testAmbiguousType) {
  var c = string.charCodeAt(0);
  if (isPrintable(c) && c !== 65279) {
    return STYLE_PLAIN;
  }
  if (isPlainSafeFirst(c) && !isWhitespace(c)) {
    if (c === CHAR_TAB) {
      return STYLE_TAB;
    }
    if (c === CHAR_SPACE) {
      return STYLE_SPACE;
    }
    if (c === CHAR_COMMA) {
      return STYLE_COMMA;
    }
    if (c === CHAR_LEFT_SQUARE_BRACKET) {
      return STYLE_LEFT_SQUARE_BRACKET;
    }
    if (c === CHAR_RIGHT_SQUARE_BRACKET) {
      return STYLE_RIGHT_SQUARE_BRACKET;
    }
    if (c === CHAR_LEFT_CURLY_BRACKET) {
      return STYLE_LEFT_CURLY_BRACKET;
    }
    if (c === CHAR_RIGHT_CURLY_BRACKET) {
      return STYLE_RIGHT_CURLY_BRACKET;
    }
    if (c === CHAR_COLON) {
      return STYLE_COLON;
    }
    if (c === CHAR_SHARP) {
      return STYLE_SHARP;
    }
    if (c === CHAR_MINUS) {
      return STYLE_MINUS;
    }
    if (c === CHAR_QUESTION) {
      return STYLE_QUESTION;
    }
    if (c === CHAR_EXCLAMATION) {
      return STYLE_EXCLAMATION;
    }
    if (c === CHAR_VERTICAL_LINE) {
      return STYLE_VERTICAL;
    }
    if (c === CHAR_GREATER_THAN) {
      return STYLE_GREATER;
    }
    if (c === CHAR_SINGLE_QUOTE) {
      return STYLE_SINGLE;
    }
    if (c === CHAR_DOUBLE_QUOTE) {
      return STYLE_DOUBLE;
    }
    if (c === CHAR_PERCENT) {
      return STYLE_PERCENT;
    }
    if (c === CHAR_RAVE_ACCENT) {
      return STYLE_RAVE;
    }
    if (c === CHAR_COMMERCIAL_AT) {
      return STYLE_COMMERCIAL_AT;
    }
    if (c === CHAR_VERTICAL_LINE) {
      return STYLE_RAVE;
    }
  }
  return testImplicitResolving(state, str);
}
continue}if(state.dump.length>1024)pairBuffer+="?
";pairBuffer+=state.dump+(state.condenseFlow?'"':"")+":"+(state.condenseFlow?"":"
");if(!writeNode(state,level,objectValue,false,false)){continue}pairBuffer+=state.dump;_result+=pairBuffer}state.ta
g=_tag;state.dump="{"+_result+"}"}function writeBlockMapping(state,level,object,compact){var
_result="",_tag=state.tag,objectKeyList=Object.keys(object),index,length,objectKey,objectValue,explicitPair,pairBu
ffer;if(state.sortKeys===true){objectKeyList.sort()}else if(typeof
state.sortKeys==="function"){objectKeyList.sort(state.sortKeys)}else if(state.sortKeys){throw new
YAMLException("sortKeys must be a boolean or a
function")}for(index=0,length=objectKeyList.length;index<length;index+=1){pairBuffer="";if(!compact||index!==0
){pairBuffer+=generateNextLine(state,level)}objectKey=objectKeyList[index];objectValue=object[objectKey];if(!
writeNode(state,level+1,objectKey,true,true,true)){continue}explicitPair=state.tag!==null&&state.tag!=="?"||state.d
ump&&state.dump.length>1024;if(explicitPair){if(state.dump&&CHAR_LINE_FEED===state.dump.charCodeAt(
0)){pairBuffer+="?"}else{pairBuffer+="?
"}}pairBuffer+=state.dump;if(explicitPair){pairBuffer+=generateNextLine(state,level)}if(!writeNode(state,level+1,
objectValue,true,explicitPair)){continue}if(state.dump&&CHAR_LINE_FEED===state.dump.charCodeAt(0)){pair
Buffer+=":"}else{pairBuffer+=":
"}pairBuffer+=state.dump;_result+=pairBuffer}state.tag=_tag;state.dump=_result||"{}"}function
detectType(state,object,explicit){var
_result,typeList,index,length,type,style;typeList=explicit?state.explicitTypes:state.implicitTypes;for(index=0,length
=typeList.length;index<length;index+=1){type=typeList[index];if((type.instanceOf||type.predicate)&&(!type.instan
ceOf||typeof object==="object"&&object instanceof
type.instanceOf)&&(!type.predicate||type.predicate(object))){state.tag=explicit?type.tag:"?";if(type.represent){style
=state.styleMap[type.tag]||type.defaultStyle;if(_toString.call(type.represent)==="[object
Function]"){_result=type.represent(object,style)}else
if(_hasOwnProperty.call(type.represent,style)){_result=type.represent[style](object,style)}else{throw new
YAMLException("!<"+type.tag+'> tag resolver accepts not "'+style+'" style')}state.dump=_result}return
true}}return false}function
writeNode(state,level,object,block,compact,iskey){state.tag=null;state.dump=object;if(!detectType(state,object,false
)){detectType(state,object,true)}var
type=_toString.call(state.dump);if(block){block=state.flowLevel<0||state.flowLevel>level}var
objectOrArray=type==="[object Object]"||type==="[object
Array]",duplicateIndex,duplicate;if(objectOrArray){duplicateIndex=state.duplicates.indexOf(object);duplicate=dupl
icateIndex!==1}if(state.tag!==null&&state.tag!=="?"||duplicate||state.indent!==2&&level>0){compact=false}if(duplicate&&state.
usedDuplicates[duplicateIndex]){state.dump="*ref_"+duplicateIndex}else{if(objectOrArray&&duplicate&&!state.
usedDuplicates[duplicateIndex]){state.usedDuplicates[duplicateIndex]=true}if(type==="[object
Object]"){if(block&&Object.keys(state.dump).length!==0){writeBlockMapping(state,level,state.dump,compact);if(
duplicate){state.dump="&ref_"+duplicateIndex+state.dump}}else{writeFlowMapping(state,level,state.dump);if(dup
licate){state.dump="&ref_"+duplicateIndex+" "+state.dump}}}else if(type==="[object
Array]"){if(block&&state.dump.length!==0){writeBlockSequence(state,level,state.dump,compact);if(duplicate){sta
te.dump="&ref_"+duplicateIndex+state.dump}}else{writeFlowSequence(state,level,state.dump);if(duplicate){state.
dump="&ref_"+duplicateIndex+" "+state.dump}}}else if(type==="[object
String]"){if(state.tag!=="?"){writeScalar(state,state.dump,level,iskey)}}else{if(state.skipInvalid)return false;throw
new YAMLException("unacceptable kind of an object to dump
"+type)}if(state.tag!==null&&state.tag!=="?"){state.dump="!<"+state.tag+"> "+state.dump}}return true}function
getDuplicateReferences(object,state){var
objects=[],duplicatesIndexes=[],index,length;inspectNode(object,objects,duplicatesIndexes);for(index=0,length=dup
licatesIndexes.length;index<length;index+=1){state.duplicates.push(objects[duplicatesIndexes[index]])}state.usedD

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function inspectNode(object, objects, duplicatesIndexes) {
    var objectKeyList, index, length;
    if (object != null && typeof object == "object") {
        index = objects.indexOf(object);
        if (index !== -1) {
            if (duplicatesIndexes.indexOf(index) === -1) {
                duplicatesIndexes.push(index);
            }
        } else {
            objects.push(object);
            if (Array.isArray(object)) {
                for (index = 0, length = object.length; index < length; index += 1) {
                    inspectNode(object[index], objects, duplicatesIndexes);
                }
            } else {
                objectKeyList = Object.keys(object);
                for (index = 0, length = objectKeyList.length; index < length; index += 1) {
                    inspectNode(object[objectKeyList[index]], objects, duplicatesIndexes);
                }
            }
        }
    }
}

function dump(input, options) {
    options = options || {};
    var state = new State(options);
    if (!state.noRefs)
        getDuplicateReferences(input, state);
    if (writeNode(state, 0, input, true, true))
        return state.dump + "\n";
    return "\n";
}

function safeDump(input, options) {
    return dump(input, common.extend({ schema: DEFAULT_SAFE_SCHEMA }, options));
}

module.exports.dump = dump;
module.exports.safeDump = safeDump;

var baseGetTag = __webpack_require__(46), isArray = __webpack_require__(21), isObjectLike = __webpack_require__(35);
var stringTag = "[object String]";

function isString(value) {
    return typeof value == "string" || !isArray(value) && isObjectLike(value) && baseGetTag(value) == stringTag;
}

module.exports = isString;

var isObject = __webpack_require__(31), now = __webpack_require__(529), toNumber = __webpack_require__(210);
var FUNC_ERROR_TEXT = "Expected a function";
var nativeMax = Math.max, nativeMin = Math.min;

function debounce(func, wait, options) {
    var lastArgs, lastThis, maxWait, result, timerId, leading = false, maxing = false, trailing = true,
        invokeFunc, trailingEdge, remainingWait, shouldInvoke, timerExpired;

    if (typeof func != "function") {
        throw new TypeError(FUNC_ERROR_TEXT);
    }
    wait = toNumber(wait) || 0;
    if (isObject(options)) {
        leading = !!options.leading;
        maxing = "maxWait" in options;
        maxWait = nativeMax(toNumber(options.maxWait) || 0, wait);
        trailing = "trailing" in options;
    }

    function invokeFunc(time) {
        var args = lastArgs, thisArg = lastThis;
        lastArgs = lastThis = undefined;
        lastInvokeTime = time;
        result = func.apply(thisArg, args);
        return result;
    }

    function leadingEdge(time) {
        lastInvokeTime = time;
        timerId = setTimeout(timerExpired, wait);
        return leading ? invokeFunc(time) : result;
    }

    function remainingWait(time) {
        var timeSinceLastCall = time - lastCallTime,
            timeSinceLastInvoke = time - lastInvokeTime,
            timeWaiting = wait - timeSinceLastCall;
        return maxing ? nativeMin(timeWaiting, maxWait - timeSinceLastInvoke) : timeWaiting;
    }

    function shouldInvoke(time) {
        var timeSinceLastCall = time - lastCallTime,
            timeSinceLastInvoke = time - lastInvokeTime;
        return lastCallTime === undefined || timeSinceLastCall >= wait || timeSinceLastCall < 0 ||
            maxing && timeSinceLastInvoke >= maxWait;
    }

    function timerExpired() {
        var time = now();
        if (shouldInvoke(time)) {
            return trailingEdge(time);
        }
        timerId = setTimeout(timerExpired, remainingWait(time));
    }

    function trailingEdge(time) {
        var timerId = setTimeout(timerExpired, remainingWait(time));
        return trailingEdge(time);
    }

    function cancel() {
        if (timerId !== undefined) {
            clearTimeout(timerId);
        }
        lastArgs = lastThis = undefined;
        result = undefined;
        timerId = undefined;
    }

    function flush() {
        var time = now();
        if (shouldInvoke(time)) {
            return trailingEdge(time);
        }
        timerId = setTimeout(timerExpired, remainingWait(time));
    }

    function debounced() {
        var time = now();
        if (shouldInvoke(time)) {
            return trailingEdge(time);
        }
        timerId = setTimeout(timerExpired, remainingWait(time));
    }

    debounced.cancel = cancel;
    debounced.debounced = debounced;
    debounced.flush = flush;
    return debounced;
}

module.exports = debounce;

var baseSet = __webpack_require__(531); function set(object, path, value) {
    return baseSet(object, path, value);
}

function assignValue(object, path, value) {
    return baseSet(object, path, value);
}

function common({}) {
    var root = __webpack_require__(27);
    var now = function() {
        return root.Date.now();
    }
    module.exports = now;
}

function module.exports() {
    var baseSet = __webpack_require__(531); function set(object, path, value) {
        return baseSet(object, path, value);
    }
    function assignValue(object, path, value) {
        return baseSet(object, path, value);
    }
}

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OperationContainer = function(_PureComponent) {
  (0, _inherits(_this, _PureComponent));
  function _this(props, context) {
    (0, _classCallCheck(_this, OperationContainer));
    return (0, _possibleConstructorReturn(_this, _thisPrototypeOf(OperationContainer).call(this, props, context)));
  }
  _this.toggleShown = function() {
    var _this$props = _this.props, layoutActions = _this$props.layoutActions, tag = _this$props.tag, operationId = _this$props.operationId, isShown = _this$props.isShown;
    if (!isShown && resolvedSubtree === undefined) {
      _this.requestResolvedSubtree();
    }
    layoutActions.show(['operations', tag, operationId], !isShown);
  };
  _this.onCancelClick = function() {
    _this.setState({ tryItOutEnabled: !this.state.tryItOutEnabled });
  };
  _this.onTryoutClick = function() {
    var _this$props2 = _this.props, specActions = _this$props2.specActions, path = _this$props2.path, method = _this$props2.method;
    specActions.clearValidateParams([path, method]);
  };
  _this.onExecute = function() {
    this.setState({ executeInProgress: true });
  };
  _this.getResolvedSubtree = function() {
    var _this$props3 = _this.props, specSelectors = _this$props3.specSelectors, path = _this$props3.path, method = _this$props3.method, specPath = _this$props3.specPath;
    if (specPath) {
      return specSelectors.specResolvedSubtree(specPath.toJS());
    } else {
      return specSelectors.specResolvedSubtree(['paths', path, method]);
    }
  };
  _this.requestResolvedSubtree = function() {
    var _this$props4 = _this.props, specActions = _this$props4.specActions, path = _this$props4.path, method = _this$props4.method,
        specPath = _this$props4.specPath;
    specActions.requestResolvedSubtree(specPath.toJS());
  };
  _this.state = {
    tryItOutEnabled: false,
    executeInProgress: false,
    specPath: null,
    specPath: null,
    specPath: null,
    specPath: null
  };
  return _this;
};

_opId = _swaggerClient.helpers.opId;

 OPC0n = function(_PureComponent) {
  (0, _inherits(_this, _PureComponent));
  function _this(props, context) {
    (0, _classCallCheck(_this, OperationContainer));
    return (0, _possibleConstructorReturn(_this, _thisPrototypeOf(OperationContainer).call(this, props, context)));
  }
  _this.toggleShown = function() {
    var _this$props = _this.props, layoutActions = _this$props.layoutActions, tag = _this$props.tag, operationId = _this$props.operationId, isShown = _this$props.isShown;
    if (!isShown && resolvedSubtree === undefined) {
      _this.requestResolvedSubtree();
    }
    layoutActions.show(['operations', tag, operationId], !isShown);
  };
  _this.onCancelClick = function() {
    _this.setState({ tryItOutEnabled: !this.state.tryItOutEnabled });
  };
  _this.onTryoutClick = function() {
    var _this$props2 = _this.props, specActions = _this$props2.specActions, path = _this$props2.path, method = _this$props2.method;
    specActions.clearValidateParams([path, method]);
  };
  _this.onExecute = function() {
    this.setState({ executeInProgress: true });
  };
  _this.getResolvedSubtree = function() {
    var _this$props3 = _this.props, specSelectors = _this$props3.specSelectors, path = _this$props3.path, method = _this$props3.method, specPath = _this$props3.specPath;
    if (specPath) {
      return specSelectors.specResolvedSubtree(specPath.toJS());
    } else {
      return specSelectors.specResolvedSubtree(['paths', path, method]);
    }
  };
  _this.requestResolvedSubtree = function() {
    var _this$props4 = _this.props, specActions = _this$props4.specActions, path = _this$props4.path, method = _this$props4.method,
        specPath = _this$props4.specPath;
    specActions.requestResolvedSubtree(specPath.toJS());
  };
  _this.state = {
    tryItOutEnabled: false,
    executeInProgress: false,
    specPath: null,
    specPath: null,
    specPath: null,
    specPath: null
  };
  return _this;
};
React.createElement("div", {className: "auth-container"}), !nonOauthDefinitions.size && React.createElement("form", {onSubmit: this.submitAuth}, nonOauthDefinitions.map(function(schema, name) { return React.createElement(AuthItem, {key: name, schema: schema, name: name, getComponent: getComponent, onAuthChange: this.onAuthChange, authorized: authorized, errSelectors: errSelectors})}).toArray(), React.createElement("div", {className: "auth-btn-wrapper"}), nonOauthDefinitions.size === authorizedAuth.size ? React.createElement(Button, {className: "btn modal-btn auth", onClick: this.logoutClick}, "Logout") : React.createElement(Button, {type: "submit", className: "btn modal-btn auth authorize"}, "Authorize"), React.createElement(Button, {className: "btn modal-btn auth btn-done", onClick: this.close}, "Close"), oauthDefinitions && oauthDefinitions.size ? React.createElement("div", null, React.createElement("div", {className: "scope-def"}, React.createElement("p", null, "Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes.").map(function(schema, name) { return React.createElement(Oauth2, {authorized: authorized, schema: schema, name: name})}).toArray())) : null); return Auths;}

(function(module, exports, __webpack_require__) {
  "use strict";
  Object.defineProperty(exports, '__esModule', { value: true });
  var _getPrototypeOf = __webpack_require__(4);
  var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);
  var _classCallCheck2 = __webpack_require__(2);
  var _classCallCheck3 = _interopRequireDefault(_classCallCheck2);
  var _createClass2 = __webpack_require__(3);
  var _createClass3 = _interopRequireDefault(_createClass2);
  var _possibleConstructorReturn2 = __webpack_require__(5);
  var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);
  var _inherits2 = __webpack_require__(6);
  var _inherits3 = _interopRequireDefault(_inherits2);
  var _react = __webpack_require__(0);
  var _react2 = _interopRequireDefault(_react);
  var _propTypes = __webpack_require__(1);
  var _propTypes2 = _interopRequireDefault(_propTypes);
  var _reactImmutableProptypes = __webpack_require__(9);
  var _reactImmutableProptypes2 = _interopRequireDefault(_reactImmutableProptypes);
  function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }; }
  var Auths = function(_React$Component) {
    (0, _inherits3.default)(Auths, _React$Component);
    function Auths() {
      (0, _classCallCheck3.default)(this, Auths);
      return (0, _possibleConstructorReturn3.default)(this, (Auths.__proto__ || (0, _getPrototypeOf2.default)(Auths)).apply(this, arguments));
    }
    (0, _createClass3.default)(Auths, [
      { key: "render", value: function render() {
        var _props = this.props, schema = _props.schema, name = _props.name, getComponent = _props.getComponent, onAuthChange = _props.onAuthChange, authorized = _props.authorized, errSelectors = _props.errSelectors, var
        apiKeyAuth = getComponent("apiKeyAuth");
        var basicAuth = getComponent("basicAuth");
        var authEl = void 0;
        var type = schema.get("type");
        switch (type) {
          case "apiKey":
            authEl = React.createElement(ApiKeyAuth, { key: name, schema: schema, name: name, getComponent: getComponent, onAuthChange: this.onAuthChange, authorized: authorized, errSelectors: errSelectors });
            break;
          case "basic":
            authEl = React.createElement(BasicAuth, { key: name, schema: schema, name: name, getComponent: getComponent, onAuthChange: this.onAuthChange });
            break;
          default:
            authEl = React.createElement("div", { key: name }, "Unknown security definition type ", type);
        }
        return (React.createElement(Button, { className: "btn modal-btn auth", onClick: this.logoutClick }, "Logout")) && authorized ? React.createElement(Button, { type: "submit", className: "btn modal-btn auth authorize" }, "Authorize") : React.createElement(Button, { className: "btn modal-btn auth btn-done", onClick: this.close }, "Close")
      }]);
      return Auths;
    };
    exports.default = Auths;
  })(0, _createClass3.default); exports.default = Auths;
  (function(module, exports, __webpack_require__) {
    "use strict";
    Object.defineProperty(exports, '__esModule', { value: true });
    var _getPrototypeOf = __webpack_require__(4);
    var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);
    var _classCallCheck2 = __webpack_require__(2);
    var _classCallCheck3 = _interopRequireDefault(_classCallCheck2);
    var _createClass2 = __webpack_require__(3);
    var _createClass3 = _interopRequireDefault(_createClass2);
    var _possibleConstructorReturn2 = __webpack_require__(5);
    var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);
    var _inherits2 = __webpack_require__(6);
    var _inherits3 = _interopRequireDefault(_inherits2);
    var _react = __webpack_require__(0);
    var _react2 = _interopRequireDefault(_react);
    var _propTypes = __webpack_require__(1);
    var _propTypes2 = _interopRequireDefault(_propTypes);
    var _reactImmutableProptypes = __webpack_require__(9);
    var _reactImmutableProptypes2 = _interopRequireDefault(_reactImmutableProptypes);
    function _interopRequireDefault(obj) {
      return obj && obj.__esModule ? obj : { default: obj }; }
    var Auths = function(_React$Component) {
      (0, _inherits3.default)(Auths, _React$Component);
      function Auths() {
        (0, _classCallCheck3.default)(this, Auths);
        return (0, _possibleConstructorReturn3.default)(this, (Auths.__proto__ || (0, _getPrototypeOf2.default)(Auths)).apply(this, arguments));
      }
      (0, _createClass3.default)(Auths, [
        { key: "render", value: function render() {
          var _props = this.props, schema = _props.schema, name = _props.name, getComponent = _props.getComponent, onAuthChange = _props.onAuthChange, authorized = _props.authorized, errSelectors = _props.errSelectors, var
          apiKeyAuth = getComponent("apiKeyAuth");
          var basicAuth = getComponent("basicAuth");
          var authEl = void 0;
          var type = schema.get("type");
          switch (type) {
            case "apiKey":
              authEl = React.createElement(ApiKeyAuth, { key: name, schema: schema, name: name, getComponent: getComponent, onAuthChange: this.onAuthChange, authorized: authorized, errSelectors: errSelectors });
                break;
            case "basic":
              authEl = React.createElement(BasicAuth, { key: name, schema: schema, name: name, getComponent: getComponent, onAuthChange: this.onAuthChange });
                break;
            default:
              authEl = React.createElement("div", { key: name }, "Unknown security definition type ", type);
          }
          return (React.createElement(Button, { className: "btn modal-btn auth", onClick: this.logoutClick }, "Logout")) && authorized ? React.createElement(Button, { type: "submit", className: "btn modal-btn auth authorize" }, "Authorize") : React.createElement(Button, { className: "btn modal-btn auth btn-done", onClick: this.close }, "Close")
        }]);
        return Auths;
      };
      exports.default = Auths;
    })(0, _createClass3.default); exports.default = Auths;
  })(0, _createClass3.default);
firstExample=examples.first();

firstExampleKey=examples.keyOf(firstExample);
this._onSelect(firstExampleKey,[isSyntheticChange:true]));

[key:"componentWillReceiveProps",value:function componentWillReceiveProps(nextProps){
var currentExampleKey=nextProps.currentExampleKey,examples=nextProps.examples;if(examples!==this.props.examples&&examples.has(currentExampleKey))

{this._onSelect(firstExampleKey,[isSyntheticChange:true])}}
},

[key:"render",value:function render(){

var _props2=this.props,examples=_props2.examples,currentExampleKey=_props2.currentExampleKey,isValueModified=_props2.isValueModified,modifiedValueAvailable=_props2.isModifiedValueAvailable,showLabels=_props2.showLabels;
return _react2.default.createElement("div",{className:"examples-select"},showLabels?_react2.default.createElement("span",{className:"examples-select__section-label"},{Examples:}):
return ExamplesSelect)}

(module,exports,__webpack_require__){module.exports={default:__webpack_require__(597),__esModule:true}},function(module,exports,__webpack_require__){

$iterDefine($__webpack_require__(10).Map),function(module,exports,__webpack_require__){

var _initialiseProps=function _initialiseProps(){
var _this2=this;

this._onSelect=function(key){
var _ref2=arguments.length>1&&arguments[1]!==undefined?arguments[1]:{},_ref2$isSyntheticChange=isSyntheticChange=_ref2$isSyntheticChange===undefined?false:_ref2$isSyntheticChange;

if(typeof _this2.props.onSelect="function"{_this2.props.onSelect(key,{isSyntheticChange:isSyntheticChange})}

this.getCurrentExample=function(){
var _props3=_this2.props,examples=_props3.examples,currentExampleKey=_props3.currentExampleKey;
var currentExamplePerProps=examples.get(currentExampleKey);
return currentExamplePerProps||currentExampleKey||(0,_map2.default)({})}};

this.getCurrentExample=function(){
};

this.getCurrentExample=function(){
});

new Map()}}

module.exports=

"use strict";

var _webpack_require__=(0);var _webpack_require__=(0);var _webpack_require__=(0);

};

var MAP="Map";module.exports=_webpack_require__=(0);MAP;function(get){return function Map(){return get(this.arguments.length>0?arguments[0]:undefined)));}

(function(module,exports,_webpack_require__){

var _WEBPACK_IMPORTED_MODULE_0_,_webpack_require__,_webpack_default_export;

"use strict";

var dP=_{webpack_require__=(597),_WEBPACK_IMPORTED_MODULE_0_}(_webpack_require__=(0));

if(_WEBPACK_IMPORTED_MODULE_0_)

window._webpack_require__=(147);

var forOf=_webpack_require__=(107);var step=_webpack_require__=(159);var
setSpecies=__webpack_require__(231);var DESCRIPTORS=__webpack_require__(30);var fastKey__webpack_require__(124).fastKey;var validate=__webpack_require__(266);var DESCRIPTORS?"_s","size";var getEntry=function(that,key){var index=fastKey(key);var entry;if(index!=="F")return that._i[index];for(entry=that._f;entry;entry=entry.n){if(entry.k==key)return entry}};module.exports=[getConstructor(function(wrapper,NAME,IS_MAP,ADDER){var C=wrapper(function(that,iterated){anInstance(that,C,NAME,"_i");var _t=NAME;var _i=create(null);var _f=undefined;var _l=undefined;var [SIZE]=0;if(iterable!=undefined)forOf(iterable,IS_MAP,target[ADDER],target);redefineAll(this.prototype.clear,func...
oldStateForNamespace=_this2.state[namespace]||(_immutable.Map);var newStateForNamespace=oldStateForNamespace.mergeDeep(obj);return _this2.setState({(0,defineProperty3.default)({},namespace,newStateForNamespace)});this._isCurrentUserInputSameAsExampleValue=function(){var currentUserInputValue=_this2.props.currentUserInputValue;var valueFromExample=_this2._getExampleValue();if(valueFromExample===currentUserInputValue){return true}var newStateForNamespace=oldStateForNamespace.mergeDeep(obj);return _this2.setState({(0,defineProperty3.default)({},namespace,newStateForNamespace)});this._getValueForExample=function(exampleKey,props){var _ref=props||_this2.props,examples=_ref.examples;return stringifyUnlessList((examples||(0,immutable.Map)({})).getIn([exampleKey,"value"]));var _ref2=props||_this2.props,currentUserInputValue=_ref2.currentUserInputValue;var valueFromExample=_this2._getValueForExample(exampleKey);if(valueFromExample===currentUserInputValue){return true}var _setStateForCurrentNamespace=()=>{var _ref3=arguments.length>1&&arguments[1]!==undefined?arguments[1]:{},isSyntheticChange=_ref3.isSyntheticChange;var _props2=_this2.props,updateValue=_props2.updateValue,currentUserInputValue=_props2.currentUserInputValue;var _getStateForCurrentNamespace=()=>{var lastUserEditedValue=_getStateForCurrentNamespace().lastUserEditedValue;var valueFromExample=_this2._getValueForExample(key);if(key==="__MODIFIED__VALUE__"){updateValue(stringifyUnlessList(lastUserEditedValue));return _this2._setStateForCurrentNamespace({isModifiedValueSelected:true})}if(typeof onSelect==="function"){onSelect.apply(undefined,[key,{isSyntheticChange:isSyntheticChange}].concat(otherArgs))}return _this2._setStateForCurrentNamespace({lastDownstreamValue:valueFromExample,isModifiedValueSelected:isSyntheticChange&!!currentUserInputValue&&!currentInputValueValue!==valueFromExample});if(isSyntheticChange)return;var updateValue=function(){updateValue(stringifyUnlessList(valueFromExample));}});exports.default=ExamplesSelectValueRetainer};
query=[];switch(flow){case"password":authActions.authorizePassword(auth);return;case"application":authActions.authorizeApplication(auth);return;case"accessCode":query.push("response_type=code");break;case"implicit":query.push("response_type=token");break;case"clientCredentials":authActions.authorizeApplication(auth);return;case"authorizationCode":query.push("response_type=code");break;if(typeof clientId==='string')query.push("client_id="+encodeURIComponent(clientId))}
var redirectUrl=configs.oauth2RedirectUrl;if(typeof redirectUrl==="undefined"){
    errActions.newAuthErr({authId:name,source:"validation",level:"error",message:"oauth2RedirectUrl configuration is not passed. OAuth2 authorization cannot be performed."});return
}query.push("redirect_uri="+encodeURIComponent(redirectUrl))
if(Array.isArray(scopes)&&0<scopes.length){var scopeSeparator=configs.scopeSeparator||";";query.push("scopes=+encodeURIComponent(scopes.join(scopeSeparator)))}
var state=(0,utils.btoa)(new Date);query.push("state="+encodeURIComponent(state))
if(typeof configs.realm!="undefined"){
    query.push("realm="+encodeURIComponent(configs.realm))}
var additionalQueryStringParams=configs.additionalQueryStringParams;for(var key in additionalQueryStringParams){query.push(key+"="+encodeURIComponent(additionalQueryStringParams[key]))}
var authorizationUrl=schema.get("authorizationUrl");var sanitizedAuthorizationUrl=(0,utils.sanitizeUrl)(authorizationUrl);var url=[sanitizedAuthorizationUrl,query.join("&")].join(authorizationUrl.indexOf("?")===-1?"?":"&")
if(flow==='implicit'){
callback=authActions.preAuthorizeImplicit
}
if(configs.useBasicAuthenticationWithAccessCodeGrant){callback=authActions.authorizeAccessCodeWithBasicAuthentication}
else if(callback===null){callback=authActions.authorizeAccessCodeWithFormParams}
_window2.default.open(url);}


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function getPrototypeOf(obj) {
    var proto = obj && obj.__proto__ || Object.getPrototypeOf(obj);
    return proto;
}

function _classCallCheck(instance, Constructor) {
    if (typeof Constructor !== 'function') {
        throw new TypeError('Cannot call a class as a function');
    }
    if (instance instanceof Constructor) {
        throw new TypeError('Cannot instantiate an instance of this class');
    }
}

function _createClass(Constructor, protoProps, staticProps) {
    if (protoProps) {
        Constructor.prototype = Object.create(protoProps);
    } else {
        Constructor.prototype = protoProps;
    }
    if (staticProps) {
        Object.assign(Constructor, staticProps);
    }
    Constructor.prototype.constructor = Constructor;
    return Constructor;
}

function _possibleConstructorReturn(self, call) {
    if (call && ((typeof call === 'object' && call.constructor === self.constructor) || (call instanceof self.constructor && call.constructor === self.constructor))) {
        return call;
    }
    throw new TypeError('Invalid invocation of constructor');
}

function _inherits(subClass, superClass) {
    if (superClass === null) {
        throw new TypeError('Super prototype may not be null');
    }
    subClass.prototype = Object.create(superClass.prototype, {
        constructor: { value: subClass, writable: true, configurable: true }
    });
    subClass.prototype.constructor = subClass;
    Object.defineProperty(subClass, 'prototype', {
        writable: false
    });
}

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _classCallCheck2 = _interopRequireDefault(_classCallCheck);

var _createClass2 = _interopRequireDefault(_createClass);

var _inherits2 = _interopRequireDefault(_inherits);

var _propTypes = _interopRequireDefault(_propTypes);

var _react = _interopRequireDefault(_react);

var _immutable = _interopRequireDefault(_immutable);

function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }
}

var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);

var _inherits3 = _interopRequireDefault(_inherits);

var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);

var _classCallCheck3 = _interopRequireDefault(_classCallCheck2);

var _createClass3 = _interopRequireDefault(_createClass2);

var _getPrototypeOf = __webpack_require__(4);

var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);

var _classCallCheck2 = _interopRequireDefault(_classCallCheck);

var _createClass2 = _interopRequireDefault(_createClass);

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);

var _inherits2 = _interopRequireDefault(_inherits);

var _react = _interopRequireDefault(_react);

var _propTypes = _interopRequireDefault(_propTypes);

var _immutable = _interopRequireDefault(_immutable);

function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }
}

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _inherits2 = _interopRequireDefault(_inherits);

var _getPrototypeOf = __webpack_require__(4);

var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);

var _classCallCheck2 = _interopRequireDefault(_classCallCheck);

var _createClass2 = _interopRequireDefault(_createClass);

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);

var _inherits2 = _interopRequireDefault(_inherits);

var _react = _interopRequireDefault(_react);

var _propTypes = _interopRequireDefault(_propTypes);

var _immutable = _interopRequireDefault(_immutable);

function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }
}

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _inherits2 = _interopRequireDefault(_inherits);

var _getPrototypeOf = __webpack_require__(4);

var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);

var _classCallCheck2 = _interopRequireDefault(_classCallCheck);

var _createClass2 = _interopRequireDefault(_createClass);

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);

var _inherits2 = _interopRequireDefault(_inherits);

var _react = _interopRequireDefault(_react);

var _propTypes = _interopRequireDefault(_propTypes);

var _immutable = _interopRequireDefault(_immutable);

function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }
}

var _possibleConstructorReturn2 = _interopRequireDefault(_possibleConstructorReturn);

var _inherits2 = _interopRequireDefault(_inherits);

var _react = _interopRequireDefault(_react);

var _propTypes = _interopRequireDefault(_propTypes);

var _immutable = _interopRequireDefault(_immutable);

function _interopRequireDefault(obj) {
    return obj && obj.__esModule ? obj : { default: obj }
}
function _interopRequireDefault(obj) {
    if (builtinModule.exports

OperationSummaryPath = function (_PureComponent) {
    (0, _inherits(_temp, _PureComponent));
    _temp = _possibleConstructorReturn(_temp, (_this = (0, _possibleConstructorReturn)(this, (_ref = OperationSummaryPath.__proto__ || (0, _getPrototypeOf)(OperationSummaryPath)).call.apply(_ref, [this].concat(args))), _this), _this).
    _this.onCopyCapture = function (e) {
        e.preventDefault();
        e.clipboardData.setData("text/plain", _this.props.operationProps.get("path")).
    };
    return (0, _possibleConstructorReturn)(_this, _return);
}

return _temp;
currentExampleKey=oas3Selectors.activeExamplesMember.apply(oas3Selectors,(0,_toConsumableArray3.default(pathMethod).concat(["parameters",_this.getParamKey()])));newValue=paramWithMeta.getIn("["examples","currentExampleKey","value"]");paramWithMeta.get("example").map(function(){return paramWithMeta.get("example");}).forEach(function(){if(newValue!==undefined){_this.onChangeWrapper(_immutable.List.isList(newValue)?newValue:(0,_utils.stringify)(newValue))}});_this.setDefaultValue();return

specSelectors=props.specSelectors,pathMethod=props.pathMethod.rawParam=props.rawParam;var
isOAS3=specSelectors.isOAS3();var
parameterWithMeta=specSelectors.parameterWithMetaByIdentity(pathMethod,rawParam)|new
_immutable.Map;parameterWithMeta=parameterWithMeta.isEmpty()?rawParam:parameterWithMeta;var
enumValue=void 0;if(isOAS3){var
schema=parameterWithMeta.get("schema")||(0,_immutable.Map)();enumValue=schema.get("enum");}else{enumValue=parameterWithMeta?parameterWithMeta.get("enum");}undefined}var
paramValue=parameterWithMeta?parameterWithMeta.get("value");undefined;var value=void
0;if(paramValue!==undefined){value=paramValue}else
if(rawParam.get("required")&enumValue&&enumValue.size){value=enumValue.first();}if(value===undefined&
value!==paramValue){this.onChangeWrapper((0,_utils.numberToString)(value))}this.setDefaultValue();

getParamKey:function getParamKey(){var param=this.props.param;if(!param)return null;return
param.get("name")+-"+
param.get("in")}};{key: "render", value:function render(){var
_param=props.param=_props.param.rawParam=_props.rawParam;var getComponent=_props.getComponent,getConfigs=_props.getConfigs,isExecute=_props.isExecute,fn=_props.fn,onChangeConsumes=_props.onChangeConsumes
specSelectors=_props.specSelectors,pathMethod=_props.pathMethod,specPath=_props.specPath,oas3Selectors=_props.oas3Selectors;var
getConfigs=getConfigs(),showExtensions=getConfigs.showExtensions,showCommonExtensions=getConfigs.showCommonExtensions;var
JsonSchemaForm=getComponent("JsonSchemaForm");var ParamBody=getComponent("ParamBody");var
inType=param.get("in");var
bodyParam=inType!="body"?null:_react2.default.createElement(ParamBody,{getComponent:getComponent,fn:fn, param:param,consumes:specSelectors.consumesOptionsFor(pathMethod),consumesValue:specSelectors.contentTypeValues(pathMethod).get("requestContentType"),onChange:onChangeWrapper,onChangeConsumes:onChangeConsumes,isExecute:isExecute,specSelectors:specSelectors,pathMethod:pathMethod});var
ModelExample=getComponent("modelExample");var
Markdown=getComponent("Markdown");var
ParameterExt=getComponent("ParameterExt");var
ParameterIncludeEmpty=getComponent("ParameterIncludeEmpty");var
ExamplesSelectValueRetainer=getComponent("ExamplesSelectValueRetainer");var
Example=getComponent("Example");var
paramWithMeta=specSelectors.parameterWithMetaByIdentity(pathMethod,rawParam)|new
_immutable.Map();var
format=param.get("format");var schema=isOAS3?param.get("schema");var type=schema.get("type");var
isFormData=inType!="formData"?false:true;var
value=paramWithMeta?paramWithMeta.get("value");"};";var
commonExt=showCommonExtensions?0,_utils.getCommonExtensions():null;var
extensions=showExtensions?0,_utils.getExtensions():null;var
paramItems=void 0;var paramEnum=void 0;var paramDefaultValue=void 0;var paramExample=void 0;var
isDisplayParamEnum=false;if(paramItems!==undefined){paramItems.style.display=paramItems;get("items");}if(paramItems===undefined){paramItems.style.display=paramItems;get("enum");}paramDefaultValue=paramItems.get("default");else{paramEnum=paramItems;get("enum");}if(paramEnum===undefined&paramEnum.size>0){isDisplayParamEnum=true}if(paramItems===undefined)
strict";Object.defineProperty(exports,"__esModule",{value:true});exports.OperationLink=undefined;var
_getPrototypeOf=__webpack_require__(4);var _getPrototypeOf2=_interopRequireDefault(_getPrototypeOf);var
_classCallCheck2=__webpack_require__(2);var _classCallCheck3=_interopRequireDefault(_classCallCheck2);var
_createClass2=__webpack_require__(3);var _createClass3=_interopRequireDefault(_createClass2);var
_possibleConstructorReturn2=__webpack_require__(5);var
_possibleConstructorReturn3=_interopRequireDefault(_possibleConstructorReturn2);var
_inherits2=__webpack_require__(6);var _inherits3=_interopRequireDefault(_inherits2);var
_react=__webpack_require__(0);var _react2=_interopRequireDefault(_react);var
_propTypes=__webpack_require__(1);var _propTypes2=_interopRequireDefault(_propTypes);var
_layoutUtils=__webpack_require__(268);function _interopRequireDefault(obj){return
obj&&obj.__esModule?obj:{default:obj}}var
Overview=function(_React$Component){(0,_inherits3.default)(Overview,_React$Component);function
Overview(){var _ref;(0,_classCallCheck3.default)(this,Overview);for(var
_len=arguments.length,args=Array(_len),_key=0;_key<_len;_key++){args[_key]=arguments[_key]}var
_this=(0,_possibleConstructorReturn3.default)(this,(_ref=Overview.__proto__||(0,_getPrototypeOf2.default)(Overvi
ew)).call.apply(_ref,[this].concat(args)));_this.setTagShown=_this._setTagShown.bind(_this);return
_this}(0,_createClass3.default)(Overview,[{key:"_setTagShown",value:function
_setTagShown(showTagId,shown){this.props.layoutActions.show(showTagId,shown)}},{key:"showOp",value:func
tion showOp(key,shown){var
layoutActions=this.props.layoutActions;layoutActions.show(key,shown)}},{key:"render",value:function
render(){var
_props=this.props,specSelectors=_props.specSelectors,layoutSelectors=_props.layoutSelectors,layoutActions=_prop
s.layoutActions,getComponent=_props.getComponent;var taggedOps=specSelectors.taggedOperations();var
Collapse=getComponent("Collapse");return
_react2.default.createElement("div",null,_react2.default.createElement("h4",{className:"overviewtitle"},"Overview"),taggedOps.map(function(tagObj,tag){var operations=tagObj.get("operations");var
showTagId=["overview-tags",tag];var showTag=layoutSelectors.isShown(showTagId,true);var
toggleShow=function toggleShow(){return layoutActions.show(showTagId,!showTag)};return
_react2.default.createElement("div",{key:"overview"+tag},_react2.default.createElement("h4",{onClick:toggleShow,className:"link overview-tag"}," ",showTag?"":"+",tag),_react2.default.createElement(Collapse,{isOpened:showTag,animated:true},operations.map(function(op){
var _op$toObject=op.toObject(),path=_op$toObject.path,method=_op$toObject.method,id=_op$toObject.id;var
showOpIdPrefix="operations";var showOpId=id;var
shown=layoutSelectors.isShown([showOpIdPrefix,showOpId]);return
_react2.default.createElement(OperationLink,{key:id,path:path,method:method,id:path+""+method,shown:shown,showOpId:showOpId,showOpIdPrefix:showOpIdPrefix,href:"#operation"+showOpId,onClick:layoutActions.show})}).toArray()))}).toArray(),taggedOps.size<1&&_react2.default.createEl
ement("h3",null," No operations defined in spec! "))}}]);return
Overview}(_react2.default.Component);exports.default=Overview;var
OperationLink=exports.OperationLink=function(_React$Component2){(0,_inherits3.default)(OperationLink,_React
$Component2);function OperationLink(props){(0,_classCallCheck3.default)(this,OperationLink);var
_this2=(0,_possibleConstructorReturn3.default)(this,(OperationLink.__proto__||(0,_getPrototypeOf2.default)(Opera
tionLink)).call(this,props));_this2.onClick=_this2._onClick.bind(_this2);return
_this2}(0,_createClass3.default)(OperationLink,[{key:"_onClick",value:function _onClick(){var
_props2=this.props,showOpId=_props2.showOpId,showOpIdPrefix=_props2.showOpIdPrefix,onClick=_props2.on
Click,shown=_props2.shown;onClick([showOpIdPrefix,showOpId],!shown)}},{key:"render",value:function
render(){var
_props3=this.props,id=_props3.id,method=_props3.method,shown=_props3.shown,href=_props3.href;return

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isOAS3?

"components","schemas";:"definitions")]._this.getCollapsedContent=function(){return"

}_this.handleToggle=function(name,isExpanded){var

layoutActions=_this.props.layoutActions;layoutActions.show(["models",name],isExpanded);if(isExpanded)

[_this.props.specActions.requestResolvedSubtree([concat((0_toConsumableArray3.default)[_this.getSchemaBasePath()][

name])]),_temp],(0_possibleConstructorReturn3.default)(_this._ret)}(0_createClass3.default)(Models,[{key:"render"},value:function render(){var _this2=this;var

Props.specSelectors=_props.specSelectors,getConfigs=_props.getConfigs;var

definitions=specSelectors.definitions();var

_getConfigs=getConfigs();docExpansion=documentExpansion,defaultValueModelsExpandDepth=documentExpansion.defaultValueModelsExpandDepth;if(!definitions.size||defaultValueModelsExpandDepth<0)\n
return null;var

showModels=layoutSelectors.isShown("models",defaultValueModelsExpandDepth>0&&docExpansion!="none");var

specPathBase=this.getSchemaBasePath();var isOAS3=specSelectors.isOAS3();var

ModelWrapper=getComponent("ModelWrapper");var Collapse=getComponent("Collapse");var

ModelCollapse=getComponent("ModelCollapse");var JumpToPath=getComponent("JumpToPath");return

_react2.default.createElement("section",{className:showModels?"models is-

open":"models"},_react2.default.createElement("h4",{onClick:function onClick(){return

layoutActions.show("models",!showModels)}},_react2.default.createElement("span",null,isOAS3?"Schemas":"Mod

els"),_react2.default.createElement("svg",{width:"20",height:"20"},_react2.default.createElement("use",{xlinkHref:

showModels?"#large-arrow-down":"#large-

arrow"})),_react2.default.createElement(Collapse,[isOpened:showModels],definitions.entrySeq().map(function(_r

ef2){var _ref3=(0_slicedToArray3.default)(_ref2,1),name=_ref3[0];var

fullPath=[].concat((0_toConsumableArray3.default)(specPathBase),[name]);\n
var

schemaValue=specSelectors.specResolvedSubtree(fullPath);var

rawSchemaValue=specSelectors.specJson().getIn(fullPath);var

schema=_immutable.Map.isMap(schemaValue)?schemaValue:_immutable.default.Map();var

rawSchema=_immutable.Map.isMap(rawSchemaValue)?rawSchemaValue:_immutable.default.Map();var

displayName=schema.get("title")||rawSchema.get("title")||name;var

isShown=layoutSelectors.isShown(["models",name],false);if(isShown&&schema.size!==0&&rawSchema.size>0){

_this2.props.specActions.requestResolvedSubtree([].concat((0_toConsumableArray3.default)(_this2.getSchemaBas

ePath()),[name]));var

specPath=_immutable.default.List([].concat((0_toConsumableArray3.default)(specPathBase),[name]));\n
var

content=_react2.default.createElement(ModelWrapper,{name:name,expandDepth:defaultValueModelsExpandDepth,sche

ma:schema||_immutable.default.Map(),displayName:displayName,specPath:specPath,getClass:getComponent,\n
specSelectors:specSelectors,configs:getConfigs,layoutSelectors:layoutSelectors,layoutActions:layoutActions});\n
title=_react2.default.createElement("div",{id:"model-"+name,className:"model-container",key:"models-section-"+name},_react2.default.createElement("span",{className:"models-jump-to-

path"},_react2.default.createElement(JumpToPath,{specPath:specPath})),_react2.default.createElement(ModelCollapse,

classes:"model-

box"),_react2.default.createElement("span",{className:"model-box"},_react2.default.createElement("span",{className:"model-model-title"},displayName))];

return

_react2.default.createElement("div",{id:"model-"+name,className:"model-container",key:"models-section-"+name},_react2.default.createElement("span",{className:"models-jump-to-

path"},_react2.default.createElement(JumpToPath,{specPath:specPath})),_react2.default.createElement(ModelCollapse,

classes:"model-

box"),collapsedContent:_this2.getCollapsedContent(name),onToggle:_this2.handleToggle,title:title,displayName:dis

playName,modelName:name,hideSelfOnExpand:true,expanded:defaultValueModelsExpandDepth>0&&isShown},content

).toArray())]})));return

Models][{react.Component}].exports.default=Models,\n
function(module,exports,_webpack_require___){"use

strict";Object.defineProperty(exports,"_esModuleModule",{value:true});var _react=_webpack_require___(0);\n
_react2=\_interopRequireDefault(_react);var _reactImmutableProptypes=_webpack_require___(9);var

_react1ImmutableProptypes2=_interopRequireDefault(_react ImmutableProptypes);function
"use strict";Object.defineProperty(exports, "__esModule", {value: true});var _extends2 = __webpack_require__(22);var _extends3 = _interopRequireDefault(_extends2);var _slicedToArray2 = __webpack_require__(15);var _slicedToArray3 = _interopRequireDefault(_slicedToArray2);var _getPrototypeOf = __webpack_require__(4);var _getPrototypeOf2 = _interopRequireDefault(_getPrototypeOf);var _classCallCheck2 = __webpack_require__(2);var _classCallCheck3 = _interopRequireDefault(_classCallCheck2);var _createClass2 = __webpack_require__(3);var _createClass3 = _interopRequireDefault(_createClass2);var _possibleConstructorReturn2 = __webpack_require__(5);var _possibleConstructorReturn3 = _interopRequireDefault(_possibleConstructorReturn2);var _inherits2 = __webpack_require__(6);var _inherits3 = _interopRequireDefault(_inherits2);var _react = __webpack_require__(0);var _react2 = _interopRequireDefault(_react);var _propTypes = __webpack_require__(1);var _propTypes2 = _interopRequireDefault(_propTypes);var _reactImmutableProptypes = __webpack_require__(9);var _reactImmutableProptypes2 = _interopRequireDefault(_reactImmutableProptypes);function _interopRequireDefault(obj) {return obj && obj.__esModule ? obj : {default: obj}}var propStyle = {color: "#999", fontStyle: "italic"};var ArrayModel = function (_Component) { (0, _inherits3.default)(ArrayModel, _Component); function ArrayModel() { (0, _classCallCheck3.default)(this, ArrayModel); return (0, _possibleConstructorReturn3.default)(this, (ArrayModel.__proto__ || (0, _getPrototypeOf2.default)(ArrayModel)).apply(this, arguments)) } (0, _createClass3.default)(ArrayModel, [{ key: "render", value: function render() {var _props = this.props, getComponent = _props.getComponent, getConfigs = _props.getConfigs, schema = _props.schema, depth = _props.depth, expandDepth = _props.expandDepth, name = _props.name, displayName = _props.displayName, specPath = _props.specPath;var description = schema.get("description");var items = schema.get("items");var title = schema.get("title") || displayName || name;var properties = schema.filter(function(v, key) { return !['type', 'items', 'description', "$Sref"].indexOf(key) === -1; });var Markdown = getComponent("Markdown");var ModelCollapse = getComponent("ModelCollapse");var Model = getComponent("Model");var Property = getComponent("Property");var titleEl = title && _react2.default.createElement("span", {className: "model-title"}, title);var reactEl = _react2.default.createElement("div", {className: "markdown"}, description);return _react2.default.createElement("span", {className: "model", title: titleEl || reactEl}, titleEl, properties.size ? properties.entrySeq().map(function (_ref) { var _ref2 = _slicedToArray3.default(_ref, 2), key = _ref2[0], v = _ref2[1]; return _react2.default.createElement(Property, {key: key, propKey: key, propVal: v, propStyle: propStyle}) }) : null, reactEl); } } ]); return ArrayModel; }(_react.Component);exports.default = ArrayModel;
function _interopRequireDefa(u8) {} return
obj&obj.__esModule?obj:default obj} var propStyle= {color:"#6b6b6b",fontStyle:"italic"};
var Primitive=function(_Component){(0,_inherits3.default)(Primitive,_Component); function
Primitive(){(0._classCallCheck3.default)(this,Primitive);return(0._possibleConstructorReturn3.default)(this,(Primitive
.prototype)[])(0._getPrototypeOf2.default)(Primitive)).apply(this,arguments));}(0._createClass3.default)(Primitive,[
key:"render",value:function render(){
var _props=this.props.schamName= props/schema.getComponent= _props/getComponent= getConfigs= _props/getConfigs.na-
me= _props/name/displayName= _props/displayName/depth= _props/depth;var _getConfigs= getConfigs();showExtensions= _getConfigs/showExtensions;if(!scha-
mName)schema= get() return
_react2.default.createElement("div",null) var type= schema.get("type");var format= schema.get("format");var xml= schema.get("xml");var enumArray= schema.get("enum");var title= schema.get("title");[displayName]name;var description= schema.get("description");var extensions= (0._utils/getExtensions)(schema);var properties= schema.filter(function(v, key){return enum, type, format, description, $$ref].indexOf(key)===-
1 });filterNot(function(v, key){return extensions.has(key)});var Markdown= getComponent("Markdown");var EnumModel= getComponent("EnumModel");var Property= getComponent("Property");return
_react2.default.createElement("span", className:"model") _react2.default.createElement("span", className:"prop-
p"),name&& _react2.default.createElement("span", className:(depth===1&&"model-title")+" prop-
name"),type,format&& _react2.default.createElement("span", className:"prop-
format"),("$",format,"") properties.size?properties.entrySeq().map(function(_ref){var _ref2=(0.
_slicedToArray3.default)(_ref,2),key=_ref2[0],v=_ref2[1];return
_react2.default.createElement(Property,{key: key,"++
"+v.propKey.key,propVal:v.propStyle:propStyle})))}:{null,showExtensions&&extensions.size?extensions.entrySeq().
map(function(_ref3){var _ref4=(0._slicedToArray3.default)(_ref3,2),key=_ref4[0],v=_ref4[1];return
_react2.default.createElement(Property,{key: key,"++
"+v.propKey.key,propVal:v.propStyle:propStyle})))}:null,description?null:_react2.default.createElement(Mark-
down,{source:description});xml&&xml.size?_react2.default.createElement("span",null, _react2.default.createElement("br",null),
_react2.default.createElement("span", [style:propStyle],"xml:");xml.entrySeq().map(function(_ref5){var
_react2.default.createElement("span",key: key,"++
"+v.style:propStyle})):null,enumArray&& _react2.default.createElement(EnumModel,{value:enumArray, getCom-
ponent:getComponent())})})}
 });return
Primitive({_react.Component:exports.default=Primitive},function(module, exports, __webpack_require__)("use
strict";Object.defineProperty(exports,"__esModule",{value:true});exports.Property=undefined;var
_react=_webpack_require__(_0);var _react2= _interopRequireDefa(_react);var
_propTypes=_webpack_require__(_1);var _propTypes2=_interopRequireDefa(_propTypes);function
InteropRequireDefa(obj){return obj&&obj.__esModule?obj:default obj} var
Property=exports.Property= function Property(_ref){
var propKey= _ref.propKey,propVal= _ref.propVal,propStyle= _ref.propStyle;return
_react2.default.createElement("span", [style:propStyle})_react2.default.createElement("br",null),propKey,: 
"String(propVal)";exports.default=Property},function(module, exports, __webpack_require__)("use
strict";Object.defineProperty(exports,"__esModule",{value:true});var
_getPrototypeOf= _webpack_require__(_4);var _getPrototypeOf2= _interopRequireDefa(_getPrototypeOf)
_classCallCheck2= _webpack_require__(_2);var _classCallCheck3= _interopRequireDefa(_classCallCheck2);var
_createClass2= _webpack_require__(_3);var _createClass3= _interopRequireDefa(_createClass2);var
_possibleConstructorReturn2= _webpack_require__(_5);var
_possibleConstructorReturn3= _interopRequireDefa(_possibleConstructorReturn2);var

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function TryItOutButton({onTryoutClick, onCancelClick, enabled}){
  return 
    enabled? 
      <button onClick={onTryoutClick} className="btn try-out__btn"/>
    : 
      <button onClick={onCancelClick} className="btn try-out__btn cancel"/>;
}

function VersionPragmaFilter({bypass, isSwagger2, isOAS3}){
  if(bypass){
    return 
      <div>
        {children}
      </div>;
  } else if(isSwagger2&&isOAS3){
    return 
      <div className="version-pragmas">
        <div className="version-pragmas__message ambiguous">
          Unable to render this definition, Swagger 2.0 and OpenAPI 3.0 fields cannot be present in the same
          definition. Supported version fields are Swagger: "2.0", and those that match
          OpenAPI: 3.0.0.
        </div>;
      </div>;
  } else if(!isSwagger2&&!isOAS3){
    return 
      <div className="version-pragmas">
        {children}
      </div>;
  }
}
Please indicate a valid Swagger or OpenAPI version field. Supported version fields are "_react.default.createElement(\"code\", null, \"swagger: \"2.0\")", and those that match "_react.default.createElement(\"code\", null, \"openapi: 3.0.n\")" (for example, "_react.default.createElement(\"code\", null, \"openapi: 3.0.0\")").
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Found in path(s):
* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/swagger-static/swagger-ui.css

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http://jedwatson.github.io/classnames
/*! @description Recursive object extending 
* @author Viacheslav Lotsmanov <lotsmanov89@gmail.com> 
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*/
/*! 
* repeat-string <https://github.com/jonschlinkert/repeat-string> 
* 
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*/
/*! 
* Autolinker.js 
* 0.15.3 
*/
* Copyright(c) 2015 Gregory Jacobs <greg@greg-jacobs.com>
*
* https://github.com/gregjacobs/Autolinker.js
*/

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* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/swagger-static/swagger-ui-bundle.js
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* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/io/federecio/dropwizard/swagger/ConfigurationHelper.java
* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/io/federecio/dropwizard/swagger/SwaggerViewConfiguration.java
* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/io/federecio/dropwizard/swagger/SwaggerResource.java
* /opt/cola/permits/1100355778_1602735616.15/0/dropwizard-swagger-1-3-12-1-sources-jar/io/federecio/dropwizard/swagger/AuthParamFilter.java
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YA, GAAAc, EAAAsS, QAAaq9F, YAEa, IAAAr0xK, EAAArrhR, EAAArr2E, OAAAX7F, OAAA, EAAwCutsG, AAAA, EAAa1, IAERd, CAAArhR, EAAArr2E, OAAAX07M, GAAAxns, KAAI, IAHAh1, GFAAvwS, EAAAppR, EAAArr2E, OAAAX07M, GAAArwQ, UAAEj9B, OAAA, EAAqCjC, GAAA, EAAQA, IAE7C, UAAAdowB, EAAAmQ, EAAAvvS, IAAAgI, OAAAgob, EAAAI, EAAArr24D, QAAEA4D, GAAAb23C, GAAAllB, GAAAsvq, BQAAPA, OAI6B4d, GAAE7B, EAAAH, QAAAIkI, EAAAn, SAAAbh4Q, EAAAd72B, GCAA, OAAAX8uS, EAAAX9uS, EAAAtq0B, iBAAuBau6Q, EAAAEh7Q, KEAAAnE, IAIAc9C, QAAAA, YAGAA, QAAA, UAA4B, KAIAAA, QAAAA, mBAC5BQA, QAAA, cAAgC, UA AAA, QAAA, AAA4B, KAE5DQA, QAAA, iCAAAc, QAAA, qCAqAGkD, EAAArr24D, QAAAS4D, IC CTDAAIAAYQ, EAAAn, OAAAc, EAAAn, QAAAC, EAAAn, cAAK, SAAASC, EAAAvrir, EAA44C, GAAAC, QAAAAE, AAAAAA, GAAAS5C, EAAAppR, UAAAC0S, EAAAx7Q, KAAAn9G, EAAAn4C, IAAIA, SAAAI4Q, EAAAnXr, EAA AI3mB, EAAAn6+B, GCAA, OAAAn, EAAAI, EAAAlxB, GAAAI6+B, EAAAIY, EAAAaU, OAAAlxB, EAAAI, GAAAIH, EAAAIAD, QAAA, SAAAS4uB, GAIA, IAAAnuB, EAAAnwB, EAAAI, EAAAvwS, EAAAvsC, EAAAvjB, E AAAP8S, EAAAvC, EAAEc, EAAAvC5, EAAAvqC, EAAAsC5, EAAAvkQ, EAAAsC5Q, EAAAvk6Q, EAAAvxX, EAAAI7M, EAAAI6E, EAAE, GAAAnuU, AAAAsX, QAAAQq9F, YAIA, IAAAlkH, KAAE41R, EAAAnOr, EAAAI2E, OAAAX7F, OAAA, EAA wCutSG, GAAAI6A, IAERdC, cAAArhR, EAAAI2E, OAAAX07M, GAAAxnsK, KAAKAHA8h8F, EAAAI3IEAAAI2 1E, OAAAX07M, GAAArwQ, SACAavb, EAAAI3X, OAAA, EAAEajC, EAAAn, EAAAI, EAAAn82F, OAAAmq1C, IAJAgI, aAFAowB, EAAAnj0E, EAAAI9zF, IAAEAgI, OAAAnys, EAAAx7Q, KAAAnD, EAAAnJ, MAAAn, CAIA, IAAFA8/Q, EAAAIh8M, EAAAI92F, GAAAb4b, MAEAvb, EAAAn1B, EAAAI3X, OAAAvqCpQ, GAAAl, KAACh1C, EA AAAv0B, GAAAI1vB, OAAAlp0R, GDAAxwCqQ, KAAGlX1C, EAAAn3X, OAAAxupQ,C, EAAAn, EAAAgR, EAAAn, EAAACaq J, BGAAgqB, AAAAII, EAAAI24D, QAAAS9mF, OAGAmuS, EAAAn, KAAAnrE, EAAAJqB, IACAJS0p, EAAAn9tO, UAA AX3C, EAAACusE, EAAAI2k0E, EAAAI9Q, KAAQA, GALA+Q, GAAAH, EAAAI5Q, EAAAvsC, EAAAI91D, MAAAI, GAAACupB, EAAAn, EAAAn, EAAAI91D, MAAAI, EAAAppS, EAAAM4zO, EAAAn, IAAACw2G, GAAAI, EAA AN5Q, EAAAIAC, KAAEA8/Q, EAAAnA, CAAAwA, GAHAHE, GAAAD, CAAC, GAAAEh, EIAIA, IAIAAzkQ, EAAAI1xB, EAAA 3X, OAAAv, EAAAvCqPQ, GAAAI, IC9CpuS, EAAAn9c, EAAAn0XB, KACAl1B, EAAAna0xB, GAAAI1vB, MAAAAl0R, IAAF 4CxtQ, IGAAc5C, GAAAI, SAAAS25Q, SAAAssA, GAAAI, SAAAS2R, EAAAI0xB, GAAAI1vB, QAAAlk0R, EAAAn, CAACapSQ, E AAAAn9c, EAAAna0xB, GAAC6kQ, GAAc5R8M, EAAAnpD, EAAAI2G, QAAAS8mN, EAAAI7M, EAAAnpD, EAAAIAG, OAAAI24D, QAAAIAnG, EAAAn,J, EAAAn9B, EAAAn, EAAAv6Q, OAAAn, IAAIAglR, EAAAI24D, QAAAS8m N, EAAAnzQ, EAAAI24D, QAAAvsB, EAAAI91D, MAAAnYnB, EAAAn, EAAAv6Q, OAAAN, MAIAAl2R, EAAAE3X, OAAAvqCpQ, EACA, SAAAI8kQ, EAAAIK, EAAAI2R2E, EAAAI2Et C, MACA8Y, MAAApwB, EAAAcwB, IAAASC, EAAAI91D, MACA2pS, OAAAF, EAAAcv0R, MAAAK0R, IAESI, GA AAC, IACT//Q, EAAAI24D, QAAAS8mN, EAAAI2ZQ, EAAAI24D, QAAAvsB, EAAAI91D, MAAAgN, WAIA8Dyp5, IACAA /Q, EAAAI24D, QAAAS8mN, EAAAI2ZQ, EAAAI24D, QAAAvsB, EAAAI91D, MAAAgN, WAIA8Dyp5, EAAAI2ZQ, SAAA EAAAI80sE, EAAAI, eAMA, EAAApJR, GACA, bMAA8G, KAAAI9G, GAMA, SAAAIqR, IACAJJ J, AQA, KACAgrE, EAAAI, IAAAJ, GACAk, aAAAn, EAAAl1+Q, KAAAI, EAAAlw8E, OAAA, EAAAlmI, SAAA, EAAAC, UAAA, SAAACEA35, QAAAE, OAAAEAA, EAAAIxgF, WAEA, UACAIoL, EAAAIrO, MACA0Y, KAAAlOhE, EAAAI4 5Q, YAAIA9+Q, IAAAIkF, EAAAI65Q, WAEA, MACA, YACAtR, EAAAIrO, MACA0Y, KAAAlOhE, EAAAI45Q, YAE A9+Q, IAAAIkF, EAAAI65Q, WAAAlhK, QAAAI, kBAIA, YAIA, OACAllyQ, QAAACgr, cAKAnXs, EAAAD, Q AAAA, SAAAI4uB, GACA, IAAAnuB, EAAAsC, EAAAvrC, EAAAI62F, EAAAI1JE, EAAAlJE, EAAAlAnuA, EAAAI7S, REAA AIhR, EAAAlurE, EAAAIwR, EAAAcZr, EAAAIgArQ, EAAAldtrQ, EAAAl4hR, EAAAI9gR, EAAAI2E, OAAAcu9M, EAAA, KAAE, GAAAljR, EAAAI8S, QAAAIu9F, QAAE, IAAAIlY, EAAAI, EAAEIrc, EAAAIv, EAAAlsvS, EAAAIhtS, OAAAlqPQ, EAA AArc, EAAAI0qC, ICAC5C, cAAAI2Q, EAAAI3Q, GAAAtjC, KA0A, IAIAAopS, EAAAI, EAIpX5, GAN8AZF, EAAAlm 7MEAAAI3Q, GAAAI, UAMA9B, OAAAE, EAAAl+B, GAAE, EAAAIQA, QAIvC, mBAAhowB, EAAAl0E, EAAAI9F, IAGAGI, MAIBA, GARA, YAAAIooB, EAAAppB, OAIEAqB, EAAAI2E+G, EAAAI24D, QAI1EA, YAAAI50D, KAAAI9 G1A0E+jR, EAAAI, GACA, IAAExE, EAAArG, EAAAI24D, UACAq0N, OAAAGA, EAAAI, EAAAI, SAAAIhR, EAA AIpoB, MAIAwoS, EAAAI8Q, KAAAI, EAAAI24D, SAAA, CAAAg, GAVAs0N, IAIAE1R, GAD0A, EAAAX, KACA Q, MACAgR, EAAAIU, EAAAIv, YGAAG3gR, EAAAlI, EAAAI24D, QACA24M, EAAAI19R, OAAA, EAAAI0uS, EAAAIv G, KAAAIzxK, IAIA2vQ, EAAAI19R, OAAAI4B, SAM5B, IAAHA4T, KACA+f, EAAAIwU, EAAAIxU, MAEAIu1R, EAAAI,
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null
throwOnDirectAccess);\n} else {\n // By explicitly using `prop-types` you are opting into new production
behavior.\n // http://fb.me/prop-types-in-prod\n module.exports =
require('./factoryWithThrowingShims')();\n}\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/prop-types/index.js\n// module id = 1\n// module chunks = 0","\"use strict\";\n\nexports.__esModule
= true;\n\nexports.default = function (instance, Constructor) {\n if (!(instance instanceof Constructor)) {\n throw
new TypeError(\"Cannot call a class as a function\");\n }\n};\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/babel-runtime/helpers/classCallCheck.js\n// module id = 2\n// module chunks = 0","\"use
strict\";\n\nexports.__esModule = true;\n\nvar _defineProperty = require(\"../core-js/object/defineproperty\");\n\nvar _defineProperty2 = _interopRequireDefault(_defineProperty);\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nexports.default =
function () {\n function defineProperties(target, props) {\n for (var i = 0; i < props.length; i++) {\n
var
descriptor = props[i];\n
descriptor.enumerable = descriptor.enumerable || false;\n
descriptor.configurable =
true;\n
if (\"value\" in descriptor) descriptor.writable = true;\n
(0, _defineProperty2.default)(target,
descriptor.key, descriptor);\n }\n }\n\n return function (Constructor, protoProps, staticProps) {\n if (protoProps)
defineProperties(Constructor.prototype, protoProps);\n if (staticProps) defineProperties(Constructor,
staticProps);\n return Constructor;\n };\n}();\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/babel-runtime/helpers/createClass.js\n// module id = 3\n// module chunks = 0","module.exports = {
\"default\": require(\"core-js/library/fn/object/get-prototype-of\"), __esModule: true };\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/babel-runtime/core-js/object/get-prototype-of.js\n// module id = 4\n//
module chunks = 0","\"use strict\";\n\nexports.__esModule = true;\n\nvar _typeof2 =
require(\"../helpers/typeof\");\n\nvar _typeof3 = _interopRequireDefault(_typeof2);\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nexports.default =
function (self, call) {\n if (!self) {\n throw new ReferenceError(\"this hasn't been initialised - super() hasn't been
called\");\n }\n\n return call && ((typeof call === \"undefined\" ? \"undefined\" : (0, _typeof3.default)(call)) ===
\"object\" || typeof call === \"function\") ? call : self;\n};\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/babel-runtime/helpers/possibleConstructorReturn.js\n// module id = 5\n// module chunks =
0","\"use strict\";\n\nexports.__esModule = true;\n\nvar _setPrototypeOf = require(\"../core-js/object/set-prototypeof\");\n\nvar _setPrototypeOf2 = _interopRequireDefault(_setPrototypeOf);\n\nvar _create = require(\"../corejs/object/create\");\n\nvar _create2 = _interopRequireDefault(_create);\n\nvar _typeof2 =
require(\"../helpers/typeof\");\n\nvar _typeof3 = _interopRequireDefault(_typeof2);\n\nfunction
_interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }\n\nexports.default =
function (subClass, superClass) {\n if (typeof superClass !== \"function\" && superClass !== null) {\n throw new
TypeError(\"Super expression must either be null or a function, not \" + (typeof superClass === \"undefined\" ?
\"undefined\" : (0, _typeof3.default)(superClass)));\n }\n\n subClass.prototype = (0, _create2.default)(superClass
&& superClass.prototype, {\n constructor: {\n
value: subClass,\n
enumerable: false,\n
writable: true,\n
configurable: true\n }\n });\n if (superClass) _setPrototypeOf2.default ? (0, _setPrototypeOf2.default)(subClass,
superClass) : subClass.__proto__ = superClass;\n};\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/babel-runtime/helpers/inherits.js\n// module id = 6\n// module chunks = 0","/**\n * Copyright (c)
2014-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n */\n\n(function (global, factory) {\n typeof exports === 'object' &&
typeof module !== 'undefined' ? module.exports = factory() :\n typeof define === 'function' && define.amd ?
define(factory) :\n (global.Immutable = factory());\n}(this, function () { 'use strict';var SLICE$0 =
Array.prototype.slice;\n\n function createClass(ctor, superClass) {\n if (superClass) {\n
ctor.prototype =
Object.create(superClass.prototype);\n }\n ctor.prototype.constructor = ctor;\n }\n\n function Iterable(value) {\n
return isIterable(value) ? value : Seq(value);\n }\n\n\n createClass(KeyedIterable, Iterable);\n function
KeyedIterable(value) {\n
return isKeyed(value) ? value : KeyedSeq(value);\n }\n\n\n
createClass(IndexedIterable, Iterable);\n function IndexedIterable(value) {\n
return isIndexed(value) ? value :
IndexedSeq(value);\n }\n\n\n createClass(SetIterable, Iterable);\n function SetIterable(value) {\n
return

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function isIterable(maybeIterable) {
    return !!(maybeIterable && maybeIterable[IS_ITERABLE_SENTINEL]);
}

function isKeyed(maybeKeyed) {
    return !!(maybeKeyed && maybeKeyed[IS_KEYED_SENTINEL]);
}

function isIndexed(maybeIndexed) {
    return !!(maybeIndexed && maybeIndexed[IS_INDEXED_SENTINEL]);
}

function isAssociative(maybeAssociative) {
    return isKeyed(maybeAssociative) || isIndexed(maybeIndexed) || isOrdered(maybeOrdered);
}

function isOrdered(maybeOrdered) {
    return !!(maybeOrdered && maybeOrdered[IS_ORDERED_SENTINEL]);
}

Iterable.isIterable = isIterable;
Iterable.isKeyed = isKeyed;
Iterable.isIndexed = isIndexed;
Iterable.isAssociative = isAssociative;
Iterable.isOrdered = isOrdered;

Iterable.Keyed = KeyedIterable;
Iterable.Indexed = IndexedIterable;
Iterable.Set = SetIterable;

var IS_ITERABLE_SENTINEL = '@@__IMMUTABLE_ITERABLE__@@';
var IS_KEYED_SENTINEL = '@@__IMMUTABLE_KEYED__@@';
var IS_INDEXED_SENTINEL = '@@__IMMUTABLE_INDEXED__@@';
var IS_ORDERED_SENTINEL = '@@__IMMUTABLE_ORDERED__@@';

function arrCopy(arr, offset) {
    offset = offset || 0;
    var len = Math.max(0, arr.length - offset);
    var newArr = new Array(len);
    for (var ii = 0; ii < len; ii++) {
        newArr[ii] = arr[ii + offset];
    }
    return newArr;
}

function wholeSlice(begin, end, size) {
    return (begin === 0 || (size !== undefined && begin <= -size)) && (end === undefined || (size !== undefined && end >= size));
}

function resolveBegin(begin, size) {
    return resolveIndex(begin, size, 0);
}

function resolveEnd(end, size) {
    return resolveIndex(end, size, size);
}

function resolveIndex(index, size, defaultIndex) {
    return index === undefined ? defaultIndex : size === undefined ? index : Math.min(size, index);
}

/* global Symbol */

var ITERATE_KEYS = 0;
var ITERATE_VALUES = 1;

function Iterator(next) {
    this.next = next;
}

Iterator.prototype.toString = function() {
    return '[Iterator]';
}

Iterator.KEYS = ITERATE_KEYS;
Iterator.VALUES = ITERATE_VALUES;

var REAL_ITERATOR_SYMBOL = typeof Symbol === 'function' && Symbol.iterator;
var FAUX_ITERATOR_SYMBOL = '@@iterator';

var INITITERATOR_SYMBOL = REAL_ITERATOR_SYMBOL || FAUX_ITERATOR_SYMBOL;

function iteratorValue(type, k, v, iteratorResult) {
    var value = type === 0 ? k : type === 1 ? v : [k, v];
    iteratorResult ? (iteratorResult.value = value) : (iteratorResult = {
        value: value, done: false
    });
    return iteratorResult;
}

function iteratorDone() {
    return { value: undefined, done: true }
}

function hasIterator(maybeIterable) {
    return !!getIteratorFn(maybeIterable);
}

function isIterator(maybeIterator) {
    return maybeIterator && typeof
key, parentJSON) {
  if (Array.isArray(json)) {
    return converter.call(parentJSON, key,
    IndexedSeq(json).map(function(v, k) { return fromJSWith(converter, v, k, json)}));
  } else if (isPlainObj(json)) {
    return converter.call(parentJSON, key, KeyedSeq(json).map(function(v, k) { return fromJSWith(converter, v, k, json)}));
  } else if (return json) { return function fromJSDefault(json) {
    if (Array.isArray(json)) {
      return IndexedSeq(json).map(fromJSDefault).toList();
    }
    if (isPlainObj(json)) {
      return KeyedSeq(json).map(fromJSDefault).toMap();
    } return json;
  }

  function fromJSDefault(json) {
    if (Array.isArray(json)) {
      return IndexedSeq(json).map(fromJSDefault).toList();
    }
    if (isPlainObj(json)) {
      return KeyedSeq(json).map(fromJSDefault).toMap();
    }
    return json;
  }

  function isPlainObj(value) {
    return value && (value.constructor === Object || value.constructor === undefined);
  }

  function is(valueA, valueB) {
    if (valueA !== valueB || (valueA !== valueA && valueB !== valueB)) {
      return true;
    }
    if (!valueA || !valueB) {
      return false;
    }
    if (typeof valueA.valueOf === 'function' &&
        typeof valueB.valueOf === 'function') {
      valueA = valueA.valueOf();
      valueB = valueB.valueOf();
      if (valueA === valueB || (valueA !== valueA && valueB !== valueB)) {
        return true;
      }
      if (!valueA || !valueB) {
        return false;
      }
    }
    if (typeof valueA.equals === 'function' &&
        typeof valueB.equals === 'function') {
      var valueA = valueA.valueOf();
      var valueB = valueB.valueOf();
      var _equal = function(a, b, valueA, valueB) {
        var aDeepEqual = functionDeepEqual(a, b);
        if (aDeepEqual) {
          return true;
        }
        if (a.size === undefined || b.size === undefined) {
          return false;
        }
        if (isOrdered(a) !== isOrdered(b)) {
          return false;
        }
        var notAssociative = !isAssociative(a);
        var entries = a.entries();
        return entries.every(function(v, k) {
          var entry = entries.next().value;
          return entry && is(entry[1], v) &&
          (notAssociative || is(entry[0], k));
        }) && entries.next().done;
      }
      return is(valueA.equals, valueB.equals) &&
      (valueA !== valueB || ((valueA.equals(valueB) &&
          valueB.equals(valueA))));
    }
    return false;
  }

  function isOrdered(a) {
    return a.size !== undefined &&
    (!isOrdered(a) ||
    a.size !== a.size());
  }

  function CreateClass(name) {
    return class {
      constructor() {
        this.name = name;
      }
    };
  }

  function deepEqual(a, b) {
    if (a === b) {
      return true;
    }
    if (a.size === undefined &&
        b.size === undefined) {
      a.size = b.size;
      a.hash = undefined;
      b.hash = undefined;
      return a.size === b.size;
    }
    var isEqual = function(a, b, valueA, valueB) {
      var aDeepEqual = functionDeepEqual(a, b);
      if (aDeepEqual) {
        return true;
      }
      if (a.size === 0 &&
          b.size === 0) {
        return false;
      }
      var isIterable = function(v) {
        return v && v.entries && v.entries.next;
      }
      var notAssociative = !isAssociative(v);
      if (notAssociative) {
        var entries = v.entries();
        return entries.some(function(v, k) {
          var entry = entries.next().value;
          return entry &&
          (notAssociative || is(entry[0], k));
        }) && entries.next().done;
      }
      var isFlipped = function(v, a, k, NOT_SET) {
        var allEqual = false;
        return false;
      }
      return isFlipped = false;
    }
  }

  return CreateClass(Repeat, IndexedSeq);
}
Collection);function IndexedCollection() {}

  createClass(SetCollection, Collection);function SetCollection()

  Collection.Keyed = KeyedCollection;
  Collection.Indexed = IndexedCollection;
  Collection.Set =

  var imul =
    typeof Math.imul === 'function' && Math.imul(0xffffffff, 2) === -2 ?
      Math.imul :
    function imul(a, b) {
      a = a | 0; // int
      b = b | 0; // int
      var c = a & 0xffff;
      var d = b & 0xffff;
      // Shift by 0 fixes the sign on the high part.
      return (c * d) + (((a >> 16) * d + c + (b >>> 16)) << 16) >>> 0); // int
    };

  // v8 has an optimization for storing 31-bit signed numbers.
  // Values which have either 00 or 11 as the high order bits qualify.
  // This function drops the highest order bit in a signed number,
  // maintaining the sign.
  function smi(i32) {
    return ((i32 >>> 1) & 0x40000000) | (i32 & 0xBFFFFFFF);
  }

  function hash(o) {
    if (o === false || o === null || o === undefined) {
      return 0;
    }
    if (typeof o.valueOf === 'function') {
      o = o.valueOf();
      if (o === false || o === null || o === undefined) {
        return 0;
      }
    }
    if (o === true) {
      return 1;
    }
    var type = typeof o;
    if (type === 'number') {
      if (o !== o || o === Infinity) {
        return 0;
      }
      var h = o | 0;
      if (h !== o) {
        h ^= o * 0xFFFFFFFF;
      }
      while (o > 0xFFFFFFFF) {
        o /= 0xFFFFFFFF;
        h ^= o;
      }
      return smi(h);
    }
    if (type === 'string') {
      return o.length > STRING_HASH_CACHE_MIN_STRLEN ? cachedHashString(o) : hashString(o);
    }
    if (typeof o.hashCode === 'function') {
      return o.hashCode();
    }
    if (type === 'object') {
      return hashJSObj(o);
    }
    if (typeof o.toString === 'function') {
      return hashString(o.toString());
    }
    throw new Error('Value type ' + type + ' cannot be hashed.');
  }

  function cachedHashString(string) {
    var hash = stringHashCache[string];
    if (hash === undefined) {
      hash = hashString(string);
      if (STRING_HASH_CACHE_SIZE === STRING_HASH_CACHE_MAX_SIZE) {
        STRING_HASH_CACHE_SIZE = 0;
        stringHashCache = {};
      }
      STRING_HASH_CACHE_SIZE++;
      stringHashCache[string] = hash;
    }
    return hash;
  }

  function hashString(string) {
    // This is the hash from JVM
    // The hash code for a string is computed as
    // s[0] * 31 ^ (n - 1) + s[1] * 31 ^ (n - 2) + ... + s[n - 1],
    // where s[i] is the ith character of the string and n is the length of
    // the string. We "mod" the result to make it between 0
    // (inclusive) and 2^31
    // (exclusive) by dropping high bits.
    var hash = 0;
    for (var ii = 0; ii < string.length; ii++) {
      hash = 31 * hash + string.charCodeAt(ii) | 0;
    }
    return smi(hash);
  }

  function hashJSObj(obj) {
    var hash;
    if (usingWeakMap) {
      hash = weakMap.get(obj);
      if (hash !== undefined) {
        return hash;
      }
    }
    hash = obj[UID_HASH_KEY];
    if (hash !== undefined) {
      return hash;
    }
    if (!canDefineProperty) {
      hash = obj.propertyIsEnumerable &&
        obj.propertyIsEnumerable[UID_HASH_KEY];
      if (hash !== undefined) {
        return hash;
      }
      hash = getIENodeHash(obj);
      if (hash !== undefined) {
        return hash;
      }
      hash = +objHashCode;
      if (objHashCode & 0x40000000) {
        objHashCode = 0;
      }
      if (usingWeakMap) {
        weakMap.set(obj, hash);
      } else if (isExtensible !== undefined && isExtensible === false) {
        throw new Error('Non-extensible objects are not allowed as keys.');
      } else if (canDefineProperty) {
        Object.defineProperty(obj, UID_HASH_KEY, { enumerable: false, configurable: false, writable: false, value: hash });
      } else if (obj.propertyIsEnumerable !== undefined &
          obj.propertyIsEnumerable === obj.constructor.prototype.propertyIsEnumerable) {
        // Since we can't define a
        // non-enumerable property on the object
        // we'll hijack one of the less-used non-enumerable properties to
        // save our hash on it. Since this is a function it will not show up in
        // 'JSON.stringify' which is what we want.
        obj.propertyIsEnumerable = function() {
          return this.constructor.prototype.propertyIsEnumerable.apply(this, arguments);
        };
        obj.propertyIsEnumerable[UID_HASH_KEY] = hash;
      } else if (obj.nodeType !== undefined) {
        // This point we couldn't get the IE "uniqueID" to use as a hash
        // and we couldn't use a non-enumerable property to exploit the
        // dontEnum bug so we simply add the "UID_HASH_KEY" on the
        // node
        // itself.
        obj[UID_HASH_KEY] = hash;
      } else {
        throw new Error('Unable to set a non-enumerable property on object.');
      }
      return hash;
    } else {
      // Get references to ES5 object methods.
      var isExtensible = Object.isExtensible;
      // True if Object.defineProperty works as expected. IE8 fails this test.
      var canDefineProperty = (function() { try {
        return Object.defineProperty({}, '@', {}); return true;
      } catch(e) {
        return false;
      } }) ;
      if (canDefineProperty) {
        Object.defineProperty(obj, UID_HASH_KEY, { enumerable: false, configurable: false, writable: false, value: hash });
      } else if (Object.prototypeIsEnumerable !== undefined &
          Object.prototypeIsEnumerable === Object.constructor.prototype.propertyIsEnumerable) {
        // We can construct the hash
from it\n // and avoid memory leaks from the IE cloneNode bug.\n function getIENodeHash(node) {\n if (node
&& node.nodeType > 0) {\n
switch (node.nodeType) {\n
case 1: // Element\n
return node.uniqueID;\n
case 9: // Document\n
return node.documentElement && node.documentElement.uniqueID;\n
}\n }\n
}\n\n // If possible, use a WeakMap.\n var usingWeakMap = typeof WeakMap === 'function';\n var weakMap;\n
if (usingWeakMap) {\n weakMap = new WeakMap();\n }\n\n var objHashUID = 0;\n\n var UID_HASH_KEY =
'__immutablehash__';\n if (typeof Symbol === 'function') {\n UID_HASH_KEY =
Symbol(UID_HASH_KEY);\n }\n\n var STRING_HASH_CACHE_MIN_STRLEN = 16;\n var
STRING_HASH_CACHE_MAX_SIZE = 255;\n var STRING_HASH_CACHE_SIZE = 0;\n var stringHashCache
= {};\n\n function assertNotInfinite(size) {\n invariant(\n
size !== Infinity,\n
'Cannot perform this action
with an infinite size.'\n );\n }\n\n createClass(Map, KeyedCollection);\n\n // @pragma Construction\n\n
function Map(value) {\n
return value === null || value === undefined ? emptyMap() :\n
isMap(value) &&
!isOrdered(value) ? value :\n
emptyMap().withMutations(function(map ) {\n
var iter =
KeyedIterable(value);\n
assertNotInfinite(iter.size);\n
iter.forEach(function(v, k) {return map.set(k,
v)});\n
});\n }\n\n Map.of = function() {var keyValues = SLICE$0.call(arguments, 0);\n
return
emptyMap().withMutations(function(map ) {\n
for (var i = 0; i < keyValues.length; i += 2) {\n
if (i + 1 >=
keyValues.length) {\n
throw new Error('Missing value for key: ' + keyValues[i]);\n
}\n
map.set(keyValues[i], keyValues[i + 1]);\n
}\n
});\n };\n\n Map.prototype.toString = function() {\n
return this.__toString('Map {', '}');\n };\n\n // @pragma Access\n\n Map.prototype.get = function(k,
notSetValue) {\n
return this._root ?\n
this._root.get(0, undefined, k, notSetValue) :\n
notSetValue;\n
};\n\n // @pragma Modification\n\n Map.prototype.set = function(k, v) {\n
return updateMap(this, k, v);\n
};\n\n Map.prototype.setIn = function(keyPath, v) {\n
return this.updateIn(keyPath, NOT_SET, function()
{return v});\n };\n\n Map.prototype.remove = function(k) {\n
return updateMap(this, k, NOT_SET);\n
};\n\n Map.prototype.deleteIn = function(keyPath) {\n
return this.updateIn(keyPath, function() {return
NOT_SET});\n };\n\n Map.prototype.update = function(k, notSetValue, updater) {\n
return arguments.length
=== 1 ?\n
k(this) :\n
this.updateIn([k], notSetValue, updater);\n };\n\n Map.prototype.updateIn =
function(keyPath, notSetValue, updater) {\n
if (!updater) {\n
updater = notSetValue;\n
notSetValue =
undefined;\n
}\n
var updatedValue = updateInDeepMap(\n
this,\n
forceIterator(keyPath),\n
notSetValue,\n
updater\n
);\n
return updatedValue === NOT_SET ? undefined : updatedValue;\n };\n\n
Map.prototype.clear = function() {\n
if (this.size === 0) {\n
return this;\n
}\n
if (this.__ownerID) {\n
this.size = 0;\n
this._root = null;\n
this.__hash = undefined;\n
this.__altered = true;\n
return
this;\n }\n
return emptyMap();\n };\n\n // @pragma Composition\n\n Map.prototype.merge =
function(/*...iters*/) {\n
return mergeIntoMapWith(this, undefined, arguments);\n };\n\n
Map.prototype.mergeWith = function(merger) {var iters = SLICE$0.call(arguments, 1);\n
return
mergeIntoMapWith(this, merger, iters);\n };\n\n Map.prototype.mergeIn = function(keyPath) {var iters =
SLICE$0.call(arguments, 1);\n
return this.updateIn(\n
keyPath,\n
emptyMap(),\n
function(m )
{return typeof m.merge === 'function' ?\n
m.merge.apply(m, iters) :\n
iters[iters.length - 1]}\n
);\n
};\n\n Map.prototype.mergeDeep = function(/*...iters*/) {\n
return mergeIntoMapWith(this, deepMerger,
arguments);\n };\n\n Map.prototype.mergeDeepWith = function(merger) {var iters = SLICE$0.call(arguments,
1);\n
return mergeIntoMapWith(this, deepMergerWith(merger), iters);\n };\n\n Map.prototype.mergeDeepIn
= function(keyPath) {var iters = SLICE$0.call(arguments, 1);\n
return this.updateIn(\n
keyPath,\n
emptyMap(),\n
function(m ) {return typeof m.mergeDeep === 'function' ?\n
m.mergeDeep.apply(m, iters)
:\n
iters[iters.length - 1]}\n
);\n };\n\n Map.prototype.sort = function(comparator) {\n
// Late
binding\n
return OrderedMap(sortFactory(this, comparator));\n };\n\n Map.prototype.sortBy =
function(mapper, comparator) {\n
// Late binding\n
return OrderedMap(sortFactory(this, comparator,
mapper));\n };\n\n // @pragma Mutability\n\n Map.prototype.withMutations = function(fn) {\n
var mutable
= this.asMutable();\n
fn(mutable);\n
return mutable.wasAltered() ? mutable.__ensureOwner(this.__ownerID) :
this;\n };\n\n Map.prototype.asMutable = function() {\n
return this.__ownerID ? this :
this.__ensureOwner(new OwnerID());\n };\n\n Map.prototype.asImmutable = function() {\n
return

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this._ensureOwner();

Map.prototype.wasAltered = function() {
  return this.__altered;
};

Map.prototype._iterator = function(type, reverse) {
  return new MapIterator(this, type, reverse);
}

Map.prototype._iterate = function(fn, reverse) {
  var this$0 = this;
  var iterations = 0;
  this._root &&
  this._root.iterate(function(entry) {
    iterations++;
    return fn(entry[1], entry[0], this$0);
  }, reverse);
  return iterations;
};

Map.prototype.__ensureOwner = function(ownerID) {
  if (ownerID ===
  this.__ownerID) {
    return this;
  }
  if (!ownerID) {
    this.__ownerID = ownerID;
    this.__altered = false;
    return this;
  }
  return makeMap(this.size, this._root, ownerID, this.__hash);
};

function isMap(maybeMap) {
  return !!(maybeMap && maybeMap[IS_MAP_SENTINEL]);
}

Map.isMap = isMap;

var IS_MAP_SENTINEL = '@@__IMMUTABLE_MAP__@@';

var MapPrototype = Map.prototype;
MapPrototype[IS_MAP_SENTINEL] = true;
MapPrototype[DELETE] = MapPrototype.remove;
MapPrototype.removeIn = MapPrototype.deleteIn;
// #pragma Trie Nodes

function ArrayMapNode(ownerID, entries) {
  this.ownerID = ownerID;
  this.entries = entries;
}

ArrayMapNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  var entries = this.entries;
  for (var ii = 0, len = entries.length; ii < len; ii++) {
    if (is(key, entries[ii][0])) {
      return entries[ii][1];
    }
  }
  return notSetValue;
};

ArrayMapNode.prototype.update = function(ownerID, shift, keyHash, key, value, didChangeSize, didAlter) {
  var removed = value === NOT_SET;

  var entries = this.entries;
  var idx = 0;
  for (var len = entries.length; idx < len; idx++) {
    if (is(key, entries[idx][0])) {
      break;
    }
  }
  var exists = idx < len;

  if (exists ? entries[idx][1] === value : removed) {
    return this;
  }

  SetRef(didAlter);
  (removed || !exists) && SetRef(didChangeSize);

  if (removed && entries.length === 1) {
    return undefined;
  }

  var keyHashFrag = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = exists ? nodes[idx] : undefined;
  var newNode = updateNode(node, ownerID, shift + SHIFT, keyHash, key, value, didChangeSize, didAlter);

  if (newNode === node) {
    return this;
  }

  if (!exists && newNode && nodes.length >= MAX_BITMAP_INDEXED_SIZE) {
    return expandNodes(ownerID, nodes, bitmap, keyHash, key, value, didChangeSize, didAlter);
  }

  if (exists && !newNode && nodes.length === 1 && isLeafNode(nodes[0])) {
    return nodes[0];
  }

  var isEditable = ownerID && ownerID === this.ownerID;
  var newNodes = exists ? newNode ? setIn(nodes, idx, newNode, isEditable) : spliceOut(nodes, idx, isEditable) : spliceIn(nodes, idx, newNode, isEditable);

  if (isEditable) {
    this.bitmap = newBitmap;
    this.nodes = newNodes;
    return this;
  }

  return new ArrayMapNode(ownerID, newEntries);
};

function BitmapIndexedNode(ownerID, bitmap, nodes) {
  this.ownerID = ownerID;
  this.bitmap = bitmap;
  this.nodes = nodes;
}

BitmapIndexedNode.prototype.get = function(shift, keyHash, key, notSetValue) {
  if (keyHash === undefined) {
    keyHash = hash(key);
  }
  var keyHashFrag = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var bit = 1 << keyHashFrag;
  var bitmap = this.bitmap;
  var exists = (bitmap & bit) !== 0;

  if (!exists && value === NOT_SET) {
    return this;
  }

  var idx = popCount(bitmap & (bit - 1));
  var nodes = this.nodes;
  var node = exists ? nodes[idx] : undefined;
  var newValue = exists ? newNode : null;

  if (newNode === node) {
    return this;
  }

  if (!exists &...
MapIterator.prototype.next = function() {
  var type = this._type;
  var stack = this._stack;
  while (stack)
    {
      var node = stack.node;
      var index = stack.index;
      var maxIndex = stack.maxIndex;
      if (node.entry)
      {
        stack = this._stack = mapIteratorFrame(subNode, stack);
      }
      continue
    }
  return iteratorDone();
}

function mapIteratorValue(type, entry) {
  return iteratorValue(type, entry[0], entry[1]);
}

function mapIteratorFrame(node, prev) {
  return {
    node: node,
    index: 0,
    __prev: prev
  };
}

function makeMap(size, root, ownerID, hash) {
  var map = Object.create(MapPrototype);
  map.size = size;
  map._root = root;
  map.__ownerID = ownerID;
  map.__hash = hash;
  map.__altered = false;
  return map;
}

function emptyMap() {
  return EMPTY_MAP || (EMPTY_MAP = makeMap(0));
}

function updateMap(map, k, v) {
  var newSize;
  if (!map._root) {
    if (v === NOT_SET) {
      return map;
    }
    newSize = 1;
    map._root = new ArrayMapNode(map.__ownerID, [[k, v]]);
  } else {
    var didChangeSize = MakeRef(CHANGE_LENGTH);
    var didAlter = MakeRef(DID_ALTER);
    newRoot = updateNode(map._root, map.__ownerID, 0, undefined, k, v, didChangeSize, didAlter);
    if (!didAlter.value) {
      return map;
    }
    newSize = map.size + (didChangeSize.value ? v === NOT_SET ? -1 : 1 : 0);
  }
  if (map.__ownerID) {
    map.size = newSize;
    map._root = newRoot;
    map.__hash = undefined;
    map.__altered = true;
    return map;
  }
  return newRoot;
}

function updateNode(node, ownerID, shift, keyHash, key, value, didChangeSize, didAlter) {
  if (!node) {
    if (value === NOT_SET) {
      return node;
    }
    SetRef(didAlter);
    SetRef(didChangeSize);
    return new ValueNode(ownerID, keyHash, [key, value]);
  }
  return node.update(ownerID, shift, keyHash, key, value, didChangeSize, didAlter);
}

function isLeafNode(node) {
  return node.constructor === ValueNode
    || node.constructor === HashCollisionNode;
}

function mergeIntoNode(node, ownerID, shift, keyHash, entry) {
  if (node.keyHash === keyHash) {
    return new HashCollisionNode(ownerID, keyHash, [node.entry, entry]);
  }
  var idx1 = (shift === 0 ? node.keyHash : node.keyHash >>> shift) & MASK;
  var idx2 = (shift === 0 ? keyHash : keyHash >>> shift) & MASK;
  var newNode;
  var nodes = idx1 === idx2 ? [mergeIntoNode(node, ownerID, shift, keyHash, entry)] : ((newNode = new ValueNode(ownerID, keyHash, entry)), idx1 < idx2 ? [node, newNode] : [newNode, node]);
  return new BitmapIndexedNode(ownerID, count, including, node);
}

function createNodes(ownerID, entries, key, value) {
  if (!ownerID) {
    ownerID = new OwnerID();
  }
  var node = new ValueNode(ownerID, hash(key), [key, value]);
  for (var ii = 0; ii < entries.length; ii++) {
    var entry = entries[ii];
    node = node.update(ownerID, 0, undefined, entry[0], entry[1]);
  }
  return node;
}

function packNodes(ownerID, nodes, count, excluding) {
  var bitmap = 0;
  var packedII = 0;
  var packedNodes = new Array(count);
  for (var ii = 0; ii < nodes.length; ii++) {
    var node = nodes[ii];
    if (node !== undefined && ii !== excluding) {
      bitmap |= bitnin packedNodes.packedNodes[packedII++] = node;
    }
  }
  return new BitmapIndexedNode(ownerID, bitmap, packedNodes);
}

function expandNodes(ownerID, nodes, bitmap, excluding, node) {
  var count = 0;
  var expandedNodes = new Array(SIZE);
  for (var ii = 0; bitmap !== 0; ii++, bitmap >>>= 1) {
    var expandedNodes[ii] = bitmap & 1 ? nodes[expandedNodes[ii]] : undefined;
    var expandedNodes.length = expandedNodes.length + 1;
  }
  return new HashArrayMapNode(ownerID, count + 1, expandedNodes);
}

function mergeIntoMapWith(map, merger, iterables) {
  var iterators = [];
  for (var ii = 0; ii < iterables.length; ii++) {
    var value = iterables[ii];
    var iter = KeyedIterable(value);
    if (!isIterable(value)) {
      iter = iter.map(function(v) { return fromJS(v); });
    }
    iterators.push(iter);
  }
  return mergeIntoCollectionWith(map, merger, iterators);
}

function deepMerger(existing, &existinMergeDeep &isIterable(value) {n

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function deepMergerWith(merger) {
  return function(existing, value, key) {
    if (existing && existing.mergeDeepWith && isIterable(value)) {
      return existing.mergeDeepWith(merger, value, key);
    } else {
      return existing;
    }
  }
}

function mergeIntoCollectionWith(collection, list) {
  if (list.size === 0) {
    return collection;
  } else {
    return list.forEach(function(value, key) {
      collection.mergeDeepWith(merger, value, key);
    });
  }
}

function mergeIntoMap(existing, keyPath, merger) {
  return function(collection) {
    if (collection.size === 0) {
      return new Map();
    } else {
      return collection.forEach(function(value, key) {
        mergeIntoMap(existing, keyPath, merger)(value, key);
      });
    }
  }
}

function deepMergerWith(merger) {
  return function(existing, value, key) {
    if (existing && existing.mergeDeepWith && isIterable(value)) {
      return existing.mergeDeepWith(merger, value, key);
    } else {
      return existing;
    }
  }
}

function mergeIntoMap(existing, keyPath, merger) {
  return function(collection) {
    if (collection.size === 0) {
      return new Map();
    } else {
      return collection.forEach(function(value, key) {
        mergeIntoMap(existing, keyPath, merger)(value, key);
      });
    }
  }
}
```javascript
var newLevel = list._level; var newRoot = list._root; // New origin might need creating a higher root.
var offsetShift = 0; while (newOrigin + offsetShift < 0) {
  newRoot = new VNode(newRoot && newRoot.array.length ? [undefined, newRoot] : [], owner);
  newLevel += SHIFT;
  offsetShift += 1 << newLevel;
}

if (offsetShift) {
  newOrigin += offsetShift;
  oldOrigin += offsetShift;
  newCapacity += offsetShift;
}

var newTailOffset = getTailOffset(oldCapacity); var newTailOffset = getTailOffset(newCapacity); // New size might need creating a higher root.
while (newTailOffset >= 1 << (newLevel + SHIFT)) {
  newRoot = new VNode([newRoot], owner);
  newLevel += SHIFT;
  newTailOffset = getTailOffset(newCapacity);
}

var oldTail = list._tail; var newTail = newTailOffset < oldTailOffset ? listNodeFor(list, newCapacity - 1) : new VNode([], owner); oldTail = list._tail;

newRoot = editableVNode(newRoot, owner);
var node = newRoot;
for (var level = newLevel; level > SHIFT; level -= SHIFT) {
  var idx = (oldTailOffset >>> level) & MASK;
  node = node.array[idx] = editableVNode(node.array[idx], owner);
}

node.array[(oldTailOffset >> SHIFT) & MASK] = oldTail;

// If the size has been reduced, there's a chance the tail needs to be trimmed.
if (newCapacity < oldCapacity) {
  newRoot = newTail && newTail.removeAfter(owner, 0, newCapacity);
  newRoot = newTailOffset < oldTailOffset ? newVNode([], owner) : newVNode([], owner) && newVNode([], owner) && newVNode([], owner);
  newRoot = newTail && newTail.removeBefore(owner, 0, newOrigin);
  newRoot = newTailOffset < oldTailOffset ? newVNode([], owner) : newVNode([], owner);
}

if (offsetShift) {
  newOrigin -= offsetShift;
  newCapacity -= offsetShift;
  newLevel = SHIFT;
}

if (list.__ownerID) {
  list.size = newCapacity - newOrigin;
  list._origin = newOrigin;
  list._capacity = newCapacity;
  list._level = newLevel;
  list._root = newRoot;
  list._tail = newTail;
  list.__hash = undefined;
  list.__altered = true;
  return list;
}

return makeList(newOrigin, newCapacity, newLevel, newRoot, newTail);
}

function mergeIntoListWith(list, merger, iterables) {
  var iters = [];
  var maxSize = 0;
  for (var ii = 0; ii < iterables.length; ii++) {
    var value = iterables[ii];
    var iter = IndexedIterable(value);
    if (iter.size > maxSize) {
      maxSize = iter.size;
    }
    if (!isIterable(value)) {
      iter = iter.map(function(v) { return fromJS(v) });
    }
    iters.push(iter);
  }
  if (maxSize > list.size) {
    list = list.setSize(maxSize);
  }
  return mergeIntoCollectionWith(list, merger, iters);
}

function getTailOffset(size) {
  return size < SIZE ? 0 : (((size - 1) >>> SHIFT) << SHIFT);
}

createClass(OrderedMap, Map);

    // @pragma Construction

    function OrderedMap(value) {
      return value === null || value === undefined ? emptyOrderedMap() :
        isOrderedMap(value) ? value :
        emptyOrderedMap().withMutations(function(map) {
          var iter = KeyedIterable(value);
          if (iter.size > maxSize) {
            var maxSize = iter.size;
          }
          if (!Iterable(iter)) {
            var iter = Iterable.map(iter, function(v) { return fromJS(v) });
            var iter = Iterators.iter(iter);
          }
          var list = list.mapSize(maxSize);
          return mergeIntoCollectionWith(list, mergers, iters);
        });
    }

    OrderedMap.of = function(/*...values*/) {
      return OrderedMap.prototype.toString = function() {
        return '<OrderedMap [' + list.size + '] ' + list.__toString('OrderedMap {', '}');
      };
    };

    OrderedMap.prototype.get = function(k, notSetValue) {
      var index = this._map.get(k);
      return index !== undefined ? this._list.get(index)[1] : notSetValue;
    }; // @pragma Modification

    OrderedMap.prototype.clear = function() {
      if (this.size === 0) {
        return this;
      }
      if (this._ownerID) {
        this.size = 0;
        this._map.clear();
        this._list.clear();
        return this;
      }
    }

    OrderedMap.prototype.set = function(k, v) {
      return
```
updateOrderedMap(this, k, v);

OrderedMap.prototype.remove = function(k) {
  return
  updateOrderedMap(this, k, NOT_SET);
};

OrderedMap.prototype.wasAltered = function() {
  var this$0 = this;
  return
  this$0._list._iterate(function(entry) {
    return entry & & fn(entry[1], entry[0], this$0);
  }, reverse$0);
};

OrderedMap.prototype._iterator = function(type, reverse) {
  return
  this$0._list.fromEntrySeq()._iterator(type, reverse);
};

OrderedMap.prototype._ensureOwner = function(ownerID) {
  var newMap = this._map._ensureOwner(ownerID);
  var newList = this._list._ensureOwner(ownerID);
  if (ownerID) {
    this._map = newMap;
    this._list = newList;
    return this;
  }

  return makeOrderedMap(newMap, newList, ownerID, this._hash);
};

function isOrderedMap(maybeOrderedMap) {
  return
  isMap(maybeOrderedMap) & & isOrdered(maybeOrderedMap);
}

OrderedMap.isOrderedMap = isOrderedMap;

OrderedMap.prototype[IS_ORDERED_SENTINEL] =

// true
OrderedMap.prototype[DELETE] =

makeOrderedMap(map, list, ownerID, hash) {
  var omap = Object.create(OrderedMap.prototype);
  omap.size = map ? map.size : 0;
  omap._map = map;
  omap._list = list;
  omap.__ownerID = ownerID;
  omap.__hash = hash;
  return omap;
}

var EMPTY_ORDERED_MAP =

function emptyOrderedMap() {
  return
  EMPTY_ORDERED_MAP ||
  makeOrderedMap(emptyMap(), emptyList());
}

function updateOrderedMap(omap, k, v) {
  var map = omap._map;
  var list = omap._list;
  var i = map.get(k);
  var has = i !== undefined;
  var newMap = map.remove(k);
  var newList = list.set(i, undefined);
  if (v === NOT_SET) {
    if (!has) {
      return omap;
    }
    if (list.size >= SIZE && list.size >= map.size * 2) {
      newList = list.filter(function(entry, idx) {
        return entry !== undefined;
      }).toMap();
      if (omap.__ownerID) {
        newList.__ownerID = omap.__ownerID;
      }
    } else {
      newMap = omap._map;
      newList = omap._list;
      omap._map = newMap;
      omap._list = newList;
      omap.__hash = undefined;
      return omap;
    }
  }
  else {
    if (has) {
      if (v === list.get(i)[1]) {
        return omap;
      }
      newMap = omap._map;
      newList = omap._list;
      omap._map = newMap;
      omap._list = newList;
      omap.__hash = undefined;
      return omap;
    }
    else {
      var omap = Object.create(OrderedMap.prototype);
      omap.size = map ? map.size : 0;
      omap._map = map;
      omap._list = list;
      omap.__ownerID = ownerID;
      omap.__hash = hash;
      return omap;
    }
  }
}

createClass(ToKeyedSequence, KeyedSeq);

function ToKeyedSequence(indexed, useKeys) {
  this._iter = indexed;
  this._useKeys = useKeys;
  this.size = indexed.size;
  this._iter.get(key, notSetValue) {
    return
    this._iter.get(key, notSetValue);
  };
  ToKeyedSequence.prototype.get = function(key, notSetValue) {
    return
    this._iter.has(key); if (!this._useKeys) {
    return
    this._iter.valueSeq();
  };
  ToKeyedSequence.prototype.valueSeq = function() {
    return
    this._iter.valueSeq();
  };
  ToKeyedSequence.prototype.reverse = function() {
    return
    this._iter.reverse();
  };
  ToKeyedSequence.prototype.map = function(mapper, context) {
    return
    this._iter.map(mapper, context);
  };
  ToKeyedSequence.prototype._iterate = function(fn, reverse) {
    return
    this._iter._iterate(fn, reverse);
  };
  ToKeyedSequence.prototype._iterator = function(type, reverse) {
    var var ii = reverse ? resolveSize(this) : 0;
    function(v) {
      return fn(v, reverse == !ii++);
    };
    return
    this._iter._iterator(type, reverse);
  };

  var var ii = reverse ? resolveSize(this) : 0;
  return
  new Iterator(function() {
    return
    var var step = iterator.next();
  });
}

createClass(ToIndexedSequence, IndexedSeq);

function ToIndexedSequence(itor) {
  this._iter = itor;
  this.size = itor.size;
};
ToIndexedSequence.prototype.includes = function(value) {
  return this._iter.includes(value);
};

ToIndexedSequence.prototype._iterate = function(fn, reverse) {
  var thisS0 = this;
  var iterations = 0;
  return this._iter._iterate(function(v) {
    return fn(v, iterations++, thisS0);
  }, reverse);
};

ToIndexedSequence.prototype._iterator = function(type, reverse) {
  var var step = iterator.next();
  return return step.done ? step :
    iteratorValue(type, iterations++, step);
};

ToIndexedSequence.prototype.createClass = function(ToSetSequence, SetSeq) {
  function ToSetSequence(iter) {
    this._iter = iter;
    this.size = iter.size;
  }

  ToSetSequence.prototype.has = function(key) {
    return this._iter.includes(key);
  }

  ToSetSequence.prototype._iterate = function(fn, reverse) {
    var thisS0 = this;
    return this._iter._iterate(function(v) {
      return fn(v, v, thisS0);
    }, reverse);
  }

  ToSetSequence.prototype._iterator = function(type, reverse) {
    var iterator = this._iter._iterator(ITERATE_VALUES, reverse);
    return return new Iterator(function() {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(type, step.value, step);
    }, reverse);
  }

  ToSetSequence.prototype.cacheResult =
    ToKeyedSequence.prototype.cacheResult =
    ToSetSequence.prototype.cacheResult =
      ToEntriesSequence.prototype.cacheResult =
        cacheResultThrough;

  function flipFactory(iterable) {
    var flipSequence = makeSequence(iterable);
    flipSequence._iter = iterable;
    flipSequence.size = iterable.size;
    flipSequence.flip = function() {
      return iterable.reverse.apply(this);
    }

    flipSequence.cacheResult = cacheResultThrough;
    flipSequence._iterateUncached = function(fn, reverse) {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(fn, iterations++, step);
    }

    flipSequence._iteratorUncached = function(type, reverse) {
      if (type === ITERATE_ENTRIES) {
        var iterator = iterable._iterator(type, reverse);
        return return new Iterator(function() {
          var var step = iterator.next();
          return return step.done ? step :
            iteratorValue(type, step.value, step);
        }, reverse);
      }
      return iterable._iterator(type, reverse);
    }

    flipSequence.cacheResult = cacheResultThrough;
    flipSequence._iterateUncached = function(fn, reverse) {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(fn, iterations++, step);
    }

    flipSequence._iteratorUncached = function(type, reverse) {
      if (type === ITERATE_ENTRIES) {
        var var step = iterator.next();
        return return step.done ? step :
          iteratorValue(type, step.value, step);
      }
      return iterable._iterator(type, reverse);
    }

    flipSequence.cacheResult = cacheResultThrough;

    FromEntriesSequence.prototype.cacheResult =
      ToSetSequence.prototype.cacheResult =
        ToKeyedSequence.prototype.cacheResult =
          ToEntriesSequence.prototype.cacheResult =
            cacheResultThrough;

    function mapFactory(iterable, mapper, context) {
      var mappedSequence = makeSequence(iterable);
      mappedSequence.size = iterable.size;
      mappedSequence.flip = function() {
        return iterable._iterateUncached(mapper, context);
      }

      mappedSequence.cacheResult = cacheResultThrough;

      return new Iterator(function() {
        var var step = iterator.next();
        return return step.done ? step :
          iteratorValue(mapper.call(context, v, k, mapper, context),
            k);
      }, reverse);
    }

    return mappedSequence;
  }

  function mapFactory(iterable, mapper, context) {
    var mappedSequence = makeSequence(iterable);
    mappedSequence.size = iterable.size;
    mappedSequence.get = function(key, notSetValue) {
      var v = iterable.get(key, NOT_SET);
      return v !== notSetValue ? mapper.call(context, v, k, iterable) :
        k;
    }

    mappedSequence._iterateUncached = function(fn, reverse) {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(fn, iterations++, step);
    }

    mappedSequence._iteratorUncached = function(type, reverse) {
      if (type === ITERATE_ENTRIES) {
        var var step = iterator.next();
        return return step.done ? step :
          iteratorValue(type, step.value, step);
      }
      return iterable._iterator(type, reverse);
    }

    mappedSequence.cacheResult = cacheResultThrough;

    return mappedSequence;
  }

  function flipFactory(iterable) {
    var flipSequence = makeSequence(iterable);
    flipSequence._iter = iterable;
    flipSequence.size = iterable.size;
    flipSequence.flip = function() {
      return iterable.reverse.apply(this);
    }

    flipSequence.cacheResult = cacheResultThrough;
    flipSequence._iterateUncached = function(fn, reverse) {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(fn, iterations++, step);
    }

    flipSequence._iteratorUncached = function(type, reverse) {
      if (type === ITERATE_ENTRIES) {
        var var step = iterator.next();
        return return step.done ? step :
          iteratorValue(type, step.value, step);
      }
      return iterable._iterator(type, reverse);
    }

    flipSequence.cacheResult = cacheResultThrough;
    flipSequence._iterateUncached = function(fn, reverse) {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(fn, iterations++, step);
    }

    flipSequence._iteratorUncached = function(type, reverse) {
      if (type === ITERATE_ENTRIES) {
        var var step = iterator.next();
        return return step.done ? step :
          iteratorValue(type, step.value, step);
      }
      return iterable._iterator(type, reverse);
    }

    flipSequence.cacheResult = cacheResultThrough;

    return new Iterator(function() {
      var var step = iterator.next();
      return return step.done ? step :
        iteratorValue(mapper.call(context, v, k, mapper, context),
          k);
    }, reverse);
  }

  return mappedSequence;
}

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iterable.___iterator(ITERATE_ENTRIES, reverse);

return new Iterator(function() {
  var step = iterable.next();
  if (step.done) {
    return step.value;
  }
  var key = entry[0];
  var value = entry[1];
  return entry[2];
});

var reverseSequence = makeSequence(iterable);

var reversedSequence = makeSequence(iterable);

reversedSequence.size = iterable.size;

reversedSequence.reverse = function() { return iterable; };

if (iterable.flip) {
  reversedSequence.flip = function() {
    var flipSequence = flipFactory(iterable);
    flipSequence.reverse = function() { return iterable.flip(); }
    return flipSequence;
  }
}

reversedSequence.get = function(key, notSetValue) { return iterable.get(key, notSetValue); }

var resolvedSize = resolvedEnd - resolvedBegin;

var sliceSize = resolvedSize < 0 ? 0 : resolvedSize;

var sliceSeq = makeSequence(iterable);

var resolvedBegin = resolveBegin(begin, originalSize);

var resolvedEnd = resolveEnd(end, originalSize);

var originalSize = iterable.size;

Sanitize begin & end using this shorthand for ToInt32(argument):

http://www.ecma-international.org/ECMA-262/6.0/$sec-1032/

if (begin !== undefined) {
  begin = begin | 0;
}

if (end === Infinity) {
  end = originalSize;
}

var resolvedBegin = resolveBegin(begin, originalSize);

var resolvedEnd = resolveEnd(end, originalSize);

var reversedBegin = resolveBegin(begin, originalSize);

var reversedEnd = resolveEnd(end, originalSize);

if (resolvedBegin !== resolvedEnd) {
  return sliceFactory(iterable.toSeq(), cacheResult(), begin, end, useKeys);
}

return reversedSequence._iter = iterable;

var reversedSequence = makeSequence(iterable);

reversedSequence.size = iterable.size;

reversedSequence.reverse = function() { return iterable; };

if (iterable.flip) {
  reversedSequence.flip = function() {
    var flipSequence = flipFactory(iterable);
    flipSequence.reverse = function() { return iterable.flip(); }
    return flipSequence;
  }
}

reversedSequence.get = function(key, notSetValue) { return iterable.get(key, notSetValue); }

var resolvedSize = resolvedEnd - resolvedBegin;

var sliceSize = resolvedSize < 0 ? 0 : resolvedSize;

var sliceSeq = makeSequence(iterable);

If iterable.size is undefined, the size of the realized sliceSeq is unknown at this point unless the number of items
to slice is 0

sliceSeq.size = sliceSize 0 ? sliceSize : iterable.size && sliceSize undefined

if (!useKeys && isSeq(iterable) && sliceSize >= 0) {

sliceSeq.get = function (index, notSetValue) {

index = wrapIndex(this, index);

return index >= 0 && index < sliceSize ?

iterable.get(index + resolvedBegin, notSetValue) :

notSetValue;

sliceSeq._iterateUncached = function (fn, reverse) {

var thisS0 = this;

if (sliceSize === 0) {

return 0;

}

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var var skipped = 0;

var isSkipping = true;

var iterations = 0;

iterable._iterate(function(v, k) {

if (!isSkipping && (isSkipping = skipped++ < resolvedBegin)) {

}

} return fn(v, useKeys ? k : iterations - 1, thisS0) !== false &&

iterations != sliceSize ?

] 

return iterations;

}

sliceSeq._iterateUncached = function (fn, reverse) {

var iterations = 0;

var var iterations = 0;

return new Iterator(function() {

while (skipped++ < resolvedBegin) {

}

return iteratorDone();

} return var step = iterator.next();

if (useKeys) {

} else if (type === ITERATE_KEYS) {

} else if (type === ITERATE_ENTRIES) {

} else if (type === ITERATE_VALUES) {

}

function skipWhileFactory(editable, predicate, context) {

var skipSequence = makeSequence(editable);

skipSequence._iterateUncached = function (fn, reverse) {

var thisS0 = this;

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var var skipped = 0;

var isSkipping = true;

var iterations = 0;

var iterator = sliceSize !== 0 && iterable.__iterator(type, reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var thisS0 = this;

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var iterator = iterable._iterate(ITERATE_ENTRIES, reverse); var var iterating = true;

return new Iterator(function() {

var return step;

} return iteratorDone();

} if (useKeys) {

} else if (type === ITERATE_KEYS) {

} else if (type === ITERATE_ENTRIES) {

} else if (type === ITERATE_VALUES) {

}

function takeWhileFactory(editable, predicate, context, useKeys) {

var takeSequence = makeSequence(editable);

takeSequence._iterateUncached = function (fn, reverse) {

var thisS0 = this;

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var var iterations = 0;

var var skipSequence = iterable._iterate(function(v, k, c) {

return predicate.call(context, v, k, c) && ++iterations && fn(v, k, thisS0) ||

return skipSequence._iterateUncached = function (type, reverse) {

var var thisS0 = this;

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var var iterator = iterable._iterate(ITERATE_ENTRIES, reverse); var var iterating = true;

return new Iterator(function() {

var return step;

} return iteratorDone();

} if (useKeys) {

} else if (type === ITERATE_KEYS) {

} else if (type === ITERATE_ENTRIES) {

} else if (type === ITERATE_VALUES) {

}

function skipWhileFactory(editable, predicate, context, useKeys) {

var skipSequence = makeSequence(editable);

skipSequence._iterateUncached = function (fn, reverse) {

var thisS0 = this;

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var var iterations = 0;

var var iterator = iterable._iterate(ITERATE_ENTRIES, reverse); var var iterating = true;

return new Iterator(function() {

var return step;

} return iteratorDone();

} if (useKeys) {

} else if (type === ITERATE_KEYS) {

} else if (type === ITERATE_ENTRIES) {

} else if (type === ITERATE_VALUES) {

}

function takeWhileFactory(editable, predicate, context, useKeys) {

var takeSequence = makeSequence(editable);

takeSequence._iterateUncached = function (fn, reverse) {

var thisS0 = this;

if (reverse) {

return this.cacheResult()._iterate(fn, reverse);

}

var var iterations = 0;

var var iterator = iterable._iterate(ITERATE_ENTRIES, reverse); var var iterating = true;

return new Iterator(function() {

var return step;

} return iteratorDone();

} if (useKeys) {

} else if (type === ITERATE_KEYS) {

} else if (type === ITERATE_ENTRIES) {

} else if (type === ITERATE_VALUES) {

}
this.__ownerID = ownerID;
this._map = newMap;
return this;
}

return makeRecord(this,
newMap, ownerID);

var RecordPrototype = Record.prototype;
RecordPrototype[DELETE] =
RecordPrototype.remove;
RecordPrototype.deleteIn =
RecordPrototype.removeIn = MapPrototype.removeIn;
RecordPrototype.merge = MapPrototype.merge;
RecordPrototype.mergeWith = MapPrototype.mergeWith;
RecordPrototype.mergeIn = MapPrototype.mergeIn;
RecordPrototype.mergeDeep = MapPrototype.mergeDeep;
RecordPrototype.mergeDeepWith = MapPrototype.mergeDeepWith;
RecordPrototype.mergeDeepIn = MapPrototype.mergeDeepIn;
RecordPrototype.setIn = MapPrototype.setIn;
RecordPrototype.update =
RecordPrototype.updateIn = MapPrototype.updateIn;
RecordPrototype.withMutations =
MapPrototype.withMutations;
RecordPrototype.asMutable = MapPrototype.asMutable;

RecordPrototype.asImmutable = MapPrototype.asImmutable;

function makeRecord(likeRecord, map,
ownerID) {
  var record = Object.create(Object.getPrototypeOf(likeRecord));
  record._map = map;
  record.__ownerID = ownerID;
  return record;
}

function recordName(record) {
  return record._name ||
  record.constructor.name || 'Record';
}

function setProps(prototype, names) {
  try {
    names.forEach(setProp.bind(undefined, prototype));
  } catch (error) {
  }
}

function setProp(prototype, name) {
  Object.defineProperty(prototype, name, {
    get: function() {
      return this.get(name);
    },
    set: function(value) {
      invariant(this.__ownerID,
        'Cannot set on an immutable record.');
      this.set(name, value);
    }
  });
}

createClass(Set,
SetCollection);

function Set(value) {
  return value === null || value ===
    undefined ? emptySet() :
    isSet(value) && !isOrdered(value) ? value :
    emptySet().withMutations(function(set) {
      var iter = SetIterable(value);
      assertNotInfinite(iter.size);
      iter.forEach(function(v) {
        return set.add(v);
      });
    });
}

Set.of = function(/*...values*/) {
  return this(arguments);
};

Set.fromKeys = function(value) {
  return this(KeyedIterable(value).keySeq());
};

Set.prototype.toString = function() {
  return this.__toString('Set {', '}');
};

Set.prototype.has = function(value) {
  return this._map.has(value);
};

Set.prototype.add = function(value) {
  return updateSet(this, this._map.set(value, true));
};

Set.prototype.remove = function(value) {
  return updateSet(this, this._map.remove(value));
};

Set.prototype.clear = function() {
  return updateSet(this, this._map.clear());
};

Set.prototype.union = function() {var iters = SLICE$0.call(arguments, 0);
  iters = iters.filter(function(x) {return x.size !== 0});
  if (iters.length === 0) {
    return this;
  }
  if (this.size === 0 && !this.__ownerID && iters.length === 1) {
    return this.constructor(iters[0]);
  }
  return this.withMutations(function(set) {
    for (var ii = 0; ii < iters.length; ii++) {
      var iters$0 = SLICE$0.call(iters, ii);
      for (var jj = 0; jj < iters$0.length; jj++) {
        var iters$1 = SLICE$0.call(iters$0, jj);
        var originalSet = this;
        var originalSet$0 = this;
        var originalSet$1 = this;
        if (!iters$1.every(function(itor) {
          return itor.includes(value)));} {
          set.remove(value);
        };
      }
    }
  });
}

Set.prototype.intersect = function() {var iters = SLICE$0.call(arguments, 0);
  iters = iters.map(function(iter) {
    return SetIterable(iter);
  });
  var originalSet = this;
  var originalSet$0 = this;
  var originalSet$1 = this;
  if (iters.some(function(itor) {
    return itor.includes(value))}) {
    set.remove(value);
  };
}

Set.prototype.subtract = function() {var iters = SLICE$0.call(arguments, 0);
  iters = iters.map(function(iter) {
    return SetIterable(iter);
  });
  var originalSet = this;
  var originalSet$0 = this;
  var originalSet$1 = this;
  if (iters.every(function(itor) {
    return itor.includes(value))}) {
    set.remove(value);
  };
}

Set.prototype.merge = function() {
  return this.union.apply(this, arguments);
};

Set.prototype.mergeWith = function(merger) {
  var iters = SLICE$0.call(arguments, 1);
  Set.prototype.mergeWith = function(merger) {
  var iters = SLICE$0.call(arguments, 1);
  return this.union.apply(this, iters);
};

Set.prototype.sort = function(comparator) {
  // Late binding
  return OrderedSet(sortFactory(this, comparator));
};

Set.prototype.sortBy = function(mapper, comparator) {
  // Late binding
  return OrderedSet(sortFactory(this, comparator, mapper));
};

Set.prototype.wasAltered =
function() {
  return this._map.wasAltered();
};

Set.prototype.__iterate = function(fn, reverse) {var
  return this._map.__iterate(function(_, k) {
    return fn(k, k, this);
  }, reverse);
}

Set.prototype._iterate = function(type, reverse) {
  return this._map.map(function(_, k) {
    return

function (iter) {
    return this.pushAll(iter);
  }

Stack.prototype.shift = function () {
  if (this.size === 0) {
    return this;
  }
  if (this.__ownerID) {
    this.size = 0;
    this.__head = undefined;
    this.__hash = undefined;
    this.__altered = true;
    return this;
  }
  return emptyStack();
}

var resolvedBegin = resolveBegin(this.size);
var resolvedEnd = resolveEnd(this.size);
if (resolvedEnd !== this.size) {
  return this.slice(begin, end);
}

var head = this.__head;
while (resolvedBegin--) {
  head = head.next;
}
if (this.__ownerID) {
  this.size = resolvedEnd - resolvedBegin;
  this.__head = head;
  this.__hash = undefined;
  this.__altered = true;
  return this;
}
return makeStack(resolvedEnd, head);

Stack.prototype.__ensureOwner = function (ownerID) {
  if (ownerID === this.__ownerID) {
    return this;
  }
  if (!ownerID) {
    this.__ownerID = ownerID;
    this.__altered = false;
    return this;
  }
  return makeStack(this.size, this.__head, ownerID, this.__hash);
}

Stack.prototype.__iterate = function (fn, reverse) {
  var iterations = 0;
  var node = this.__head;
  while (node) {
    if (fn(node.value, iterations++, this) === false) {
      break;
    }
    node = node.next;
  }
  return iterations;
}

Stack.prototype.__iterator = function (type, reverse) {
  var iterations = 0;
  var node = this.__head;
  return new Iterator(function () {
    if (node) {
      var value = node.value;
      node = node.next;
      return iteratorValue(type, iterations++, value);
    }
    return iteratorDone();
  });
}

function isStack(maybeStack) {
  return !! (maybeStack && maybeStack[IS_STACK_SENTINEL]);
}

Stack.isStack = isStack;

var IS_STACK_SENTINEL = '@@__IMMUTABLE_STACK__@@';

var StackPrototype = Stack.prototype;
StackPrototype[IS_STACK_SENTINEL] = true;

StackPrototype.withMutations = MapPrototype.withMutations;
StackPrototype.asMutable = MapPrototype.asMutable;
StackPrototype.asImmutable = MapPrototype.asImmutable;

function makeStack(size, head, ownerID, hash) {
  var map = Object.create(StackPrototype);
  map.size = size;
  map.__head = head;
  map.__ownerID = ownerID;
  map.__hash = hash;
  map.__altered = false;
  return map;
}

var EMPTY_STACK;
function emptyStack() {
  return EMPTY_STACK || (EMPTY_STACK = makeStack(0));
}

/**

Contributes additional methods to a constructor
*/
mixin(Iterable, {

  // ### Conversion to other types

  toArray: function () {
    assertNotInfinite(this.size);
    var array = new Array(this.size || 0);
    this.valueSeq().__iterate(function(v, i) {
      array[i] = v;
    });
    return array;
  },

  toIndexedSeq: function () {
    return new ToIndexedSequence(this);
  },

  toJS: function () {
    return this.toSeq().map(function (value) {
      return value && typeof value.toJSON === 'function' ? value.toJSON() : value;
    }).__toJS();
  },

  toKeyedSeq: function () {
    return new ToKeyedSequence(this, true);
  },

  toMap: function () {
    return Map(this.toKeyedSeq());
  },

  toObject: function () {
    return Object.watch(this); // late binding
  },

  toOrderedMap: function () {
    return OrderedMap(this.toKeyedSeq());
  },

  toSet: function () {
    return Set(isKeyed(this) ? this.valueSeq() : this);
  },

  toSetSeq: function () {
    return new ToSetSequence(this);
  },

  toSeq:
*/
function(mapper, context) { var this$0 = this;
  return reify(this,
  this.toSeq().flip().map(un function(k, v) { return mapper.call(context, k, v, this$0)}).flip().
  );
}

var KeyedIterablePrototype = KeyedIterable.prototype;
KeyedIterablePrototype[IS_KEYED_SENTINEL] = true;

KeyedIterablePrototype[ITERATOR_SYMBOL] = KeyedIterable.prototype.entries;
KeyedIterablePrototype._toJS = IterablePrototype.toObject;
KeyedIterablePrototype.toStringMapper = function(v, k) { return JSON.stringify(k) + "+: " + quoteString(v); }

.mixin(IndexedIterable, {})

// ### Conversion to other types

// toKeyedSeq:

// ### ES6 Collection methods (ES6 Array and Map)

// filter:

// findIndex:

// indexOf:

// lastIndexOf:

// reverse:

// slice:

// toKeyedSeq:

// filter:

// findIndex:

// indexOf:

// lastIndexOf:

// reverse:

// slice:

// splice:

// findLastIndex:

// first:

// flatten:

// get:

// has:

// interpose:

// interleave:

// keySeq:

// last:

// skipWhile:

// zip:

// zipWith:

// #pragma Helper functions

function(keyMapper) {
  return k => k;
}

function(entryMapper) {
  return [k, v];
}

function(not) {
  return 

function() {
  return !predicate.apply(this, arguments);
}

function neg(predicate) {
  return function() {
    return -predicate.apply(this, arguments);
  }
}

function quoteString(value) {
  return typeof value === 'string' ? JSON.stringify(value) : String(value);
}

function defaultZipper() {
  return arrCopy(arguments);
}

function defaultNegComparator(a, b) {
  return a < b ? 1 : a > b ? -1 : 0;
}

function hashIterable(iterable) {
  if (iterable.size === Infinity) {
    return 0;
  }
  var ordered = isOrdered(iterable);
  var key = isKeyed(iterable);
  var h = ordered ? 1 : 0;
  var size = iterable.__iterate(
    key ?
      ordered ?
        function(v, k) { h = 31 * h + hashMerge(hash(v), hash(k)) | 0; } :
        function(v, k) { h = h + hashMerge(hash(v), hash(k)) | 0; } :
        ordered ?
          function(v) { h = 31 * h + hash(v) | 0; } :
          function(v) { h = h + hash(v) | 0; }
  );
  return murmurHashOfSize(size, h);
}

function murmurHashOfSize(size, h) {
  h = imul(h, 0xCC9E2D51);
  h = imul(h << 15 | h >>> -15, 0x1B873593);
  h = imul(h << 13 | h >>> -13, 5);
  h = (h + 0xE6546B64 | 0) * size;
  h = imul(h | 0, smi(h | 0) + (size | 0));
  return h;
}

function hashMerge(a, b) {
  return a ^ b + 0x9E3779B9 + (a << 6) + (a >> 2) | 0; // int
}

var Immutable = {
  Iterable: Iterable,
  Seq: Seq,
  Collection: Collection,
  Map: Map,
  OrderedMap: OrderedMap,
  List: List,
  Stack: Stack,
  Set: Set,
  OrderedSet: OrderedSet,
  Record: Record,
  Range: Range,
  Repeat: Repeat,
  is: is,
  fromJS: fromJS,
};

export const isImmutable = (maybe) => Immutable.Iterable.isIterable(maybe)

export function isJSONObject (str) {
  try {
    var o = JSON.parse(str)
    if (o && typeof o === 'object') {
      return o
    }
  } catch (e) {
    // do nothing
  }
  return false
}

export function objectify (thing) {
  if(!isObject(thing))
    return {}
  if(isImmutable(thing))
    return thing.toJS()
  return thing
}

export function arrayify (thing) {
  if(!thing)
    return []
  if(thing.toArray)
    return thing.toArray()
  return normalizeArray(thing)
}

export function fromJSOrdered (js) {
  if(isImmutable(js))
    return js // Can't do much here
  if (js instanceof win.File)
    return js
  return !isObject(js) ? js :
    Array.isArray(js) ?
      Im.Seq(js).map(fromJSOrdered).toList() :
      Im.OrderedMap(js).map(fromJSOrdered)
}

export function
const validateMaximum = (val, max) => {
  if (val > max) {
    return "Value must be less than Maximum"
  }
}

export = "object" && typeof b === "object") {
        return false
      }

      return a !== b
    })
    ||

    if(Im.Iterable.isIterable(a)) {
        return !Im.is(a,b)
      }

      // Not going to compare objects
      if(typeof a

    if(ignoreList.includes(name)) {
        return false
      }
      let b = nextProps[name]

if(Object.keys(props).length !== Object.keys(nextProps).length) {
  return true
}

return (
  some(props,

    regex.exec(value)
    return responseFilename !== null
  })
    
  if (responseFilename !== null &&

  return list
}

export function extractFileNameFromContentDispositionHeader(value){
  let patterns = [
    /filename\*=(\[^\']*;\)?/i,
    /filename\*=(\[^'\']*;\)?/i,
    /filename="(\[^;\]*;?)"/i,
    
  ]

  let responseFilename
  patterns.some(regex => {
    responseFilename = decodeURIComponent(responseFilename[1])
    } catch(e) {
      return null
    })
    
  if (responseFilename !== null &&

}
export const validateMinimum = (val, min) => {
  if (val < min) {
    return "Value must be greater than Minimum";
  }
}

export const validateNumber = (val) => {
  if (!/^-?\d+(\.?\d+)?$/test(val)) {
    return "Value must be a number";
  }
}

export const validateInteger = (val) => {
  if (!/^-?\d$/test(val)) {
    return "Value must be an integer";
  }
}

export const validateFile = (val) => {
  if (val && !(val instanceof win.File)) {
    return "Value must be a file";
  }
}

export const validateBoolean = (val) => {
  if (!(val === "true" || val === "false" || val === true || val === false)) {
    return "Value must be a boolean";
  }
}

export const validateString = (val) => {
  if (val && typeof val !== "string") {
    return "Value must be a string";
  }
}

export const validateDateTime = (val) => {
  if (isNaN(Date.parse(val))) {
    return "Value must be a DateTime";
  }
}

export const validateGuid = (val) => {
  val = val.toString().toLowerCase()
  if (!/^[\{]?([0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12})[\}]?$/.test(val)) {
    return "Value must be a Guid";
  }
}

export const validateMaxLength = (val, maxLength) => {
  if (val.length > maxLength) {
    return "Value must be less than MaxLength";
  }
}

export const validateMinLength = (val, minLength) => {
  if (val.length < minLength) {
    return "Value must be greater than MinLength";
  }
}

export const validatePattern = (val, rxPattern) => {
  var patt = new RegExp(rxPattern)
  if (!patt.test(val)) {
    return "Value must follow pattern " + rxPattern;
  }
}

// validation of parameters before execute
export const validateParam = (param, value, { isOAS3 = false, bypassRequiredCheck = false }) => {
  let errors = []
  let required = param.get("required")
  let paramDetails = isOAS3 ? param.get("schema") : param

  if(!paramDetails) return errors

  let maximum = paramDetails.get("maximum")
  let minimum = paramDetails.get("minimum")
  let type = paramDetails.get("type")
  let format = paramDetails.get("format")
  let maxLength = paramDetails.get("maxLength")
  let minLength = paramDetails.get("minLength")
  let pattern = paramDetails.get("pattern")

  let allChecks = []
  if (type && (required || value)) {
    if (type === "string") {
      let err
      if (format === "date-time") {
        err = validateDateTime(value)
      } else if (format === "uuid") {
        err = validateGuid(value)
      } else {
        err = validateString(value)
      }
      if (!err) return errors
      errors.push(err)
    } else if (type === "boolean") {
      let err = validateBoolean(value)
      if (!err) return errors
      errors.push(err)
    } else if (type === "number") {
      let err = validateNumber(value)
      if (!err) return errors
      errors.push(err)
    } else if (type === "integer") {
      let err = validateInteger(value)
      if (!err) return errors
      errors.push(err)
    } else if (type === "array") {
      let err
      if (value.length < minLength) {
        err = validateMinLength(value, minLength)
      } else if (value.length > maxLength) {
        err = validateMaxLength(value, maxLength)
      }
    } else if (type === "object") {
      if (value === null) {
        errors.push("Value must be a non-null object");
        return errors
      }
      let oasObjectCheck = false
      if (isOAS3) {
        oasObjectCheck = true
      } else {
        try {
          JSON.parse(value)
          oasObjectCheck = true
        } catch (e) {
          errors.push("Value must be valid JSON");
          return errors
        }
      }
    }
  } else {
    let err
    if (value) {
      err = validateMinLength(value, minLength)
    } else {
      err = validateMaxLength(value, maxLength)
    }
    if (err) errors.push(err)
  }

  return errors
}
value.forEach((item, index) => {
    let err

    if (itemType === "number") {
        err = validateNumber(item)
    } else if (itemType === "integer") {
        err = validateInteger(item)
    } else if (itemType === "string") {
        err = validateString(item)
    }

    if (err) {
        errors.push({ index, error: err })
    }
  })

  return errors

export const getSampleSchema = (schema, contentType="", config={}) => {
  if (/xml/.test(contentType)) {
    if (!schema.xml || !schema.xml.name) {
      schema.xml = schema.xml || {}  

      if (schema.$$ref) {
        let match = schema.$$ref.match(/\S*\/(\S+)$/)

        schema.xml.name = match[1] || (schema.type || schema.items || schema.properties || schema.additionalProperties) return "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n<!-- XML example cannot be generated; root element name is undefined \n-->
      } else if (schema.type || schema.items || schema.properties || schema.additionalProperties) {

        return "<?xml version=\"1.0\" encoding=\"UTF-8\"?>\n<!-- XML example cannot be generated; root element name is undefined \n-->
      } else {
        return null
      }
    }
    return memoizedCreateXMLExample(schema, config)
  }

  const res = memoizedSampleFromSchema(schema, config)

  return typeof res === "object" ? JSON.stringify(res, null, 2) : res
}

export const parseSearch = () => {
  let map = {}
  let search = win.location.search

  if (!search)
    return {}

  if ( search != "" ) {
    let params = search.substr(1).split("&")

    for (let i in params) {
      if (!params.hasOwnProperty(i)) {
        continue
      }
      i = params[i].split("=")
      map[decodeURIComponent(i[0])] = (i[1] && decodeURIComponent(i[1])) || ""
    }
  }

  return map
}

export const serializeSearch = (searchMap) => {
  return Object.keys(searchMap).map(k => {
    return encodeURIComponent(k) + "=" + encodeURIComponent(searchMap[k])
  }).join("&")
}

export const btoa = (str) => {
  let buffer

  if (str instanceof Buffer) {
    buffer = str
  } else {
    buffer = new Buffer(str.toString(), "utf-8")
  }

  return buffer.toString("base64")
}

export const sorters = {
  operationsSorter: {
    alpha: (a, b) => a.get("path")localeCompare(b.get("path")),
    method: (a, b) => a.get("method")localeCompare(b.get("method"))
  },
  tagsSorter: {
    alpha: a => a.localeCompare(b)
  }
}

export const buildFormData = (data) => {
  let formArr = []

  for (let name in data) {
    let val = data[name]
    if (val !== undefined && val !== "") {
      formArr.push([name, "=", encodeURIComponent(val).replace(/%20/g,"+")].join(""))
    }
  }
  return formArr.join("&")
}

// Is this really required as a helper? Perhaps. TODO: expose the system of presets.apis in docs, so we know what is supported
export const shallowEqualKeys = (a,b, keys) => {
  return !!find(keys, (key) => {
    return eq(a[key], b[key])
  })
}

export function sanitizeUrl(url) {
  if(typeof url !== "string" || url === "") {
    return ""
  }

  return braintreeSanitizeUrl(url)
}

export function getAcceptControllingResponse(responses) {
  if(!Im.OrderedMap.isOrderedMap(responses)) {
    // wrong type!
    return null
  }

  if(!responses.size) {
    // responses is empty
    return null
  }

  const suitable2xxResponse = responses.find((res, k) => {
    return k.startsWith("2") && Object.keys(res.get("content") || {}).length > 0
  })

  // try to find a suitable `default`
  const defaultResponse = responses.get("default") || Im.OrderedMap()
  const defaultResponseMediaTypes = (defaultResponse.get("content") || Im.OrderedMap()).keySeq().toJS()
  const suitableDefaultResponse = defaultResponseMediaTypes.length ? defaultResponse : null

  return suitable2xxResponse || suitableDefaultResponse
}

// suitable for use in URL fragments
export const createDeepLinkPath = (str) => typeof str == "string" || str instanceof String ? str.trim().replace(/\s/g, "%20") : ""

// suitable for use in CSS classes and ids
export const escapeDeepLinkPath = (str) => cssEscape(createDeepLinkPath(str).replace(/%20/g, "_"))

export const getExtensions = (defObj) => defObj.filter((v, k) => /^x-/.test(k))

export const getCommonExtensions = (defObj) => defObj.filter((v, k) => /^pattern|maxLength|minLength|minimum|maximum/.test(k))

export function deeplyStripKey(input, keyToStrip, predicate = () => true) {
  if(typeof input !== "object" || Array.isArray(input) || input === null || !keyToStrip) {
    return input
  }

  const obj = Object.assign({}, input)

  Object.keys(obj).forEach(k => {
    if(k === keyToStrip && predicate(obj[k], k)) {
      delete obj[k]
      return
    }
    obj[k] = deeplyStripKey(obj[k], keyToStrip, predicate)
  })

  return obj
}

export function stringify(thing) {
  if (typeof thing === "string") {
    return thing
  }

  if (thing && thing.toString) {
    return thing.toString()
  }

  if(typeof thing === "object") {

    return thing.toString()
  }

  try {
    return JSON.stringify(thing)
  } catch (err) {
    return "null"
  }

  return thing.toString()
return JSON.stringify(thing, null, 2)

function getPropType(propValue) {
  var propType = typeof propValue;
  if (Array.isArray(propValue)) {
    return "array";
  }
  if (propValue instanceof RegExp) {
    // Old webkits (at least until Android 4.0) return 'function' rather than
    // 'object' for typeof a RegExp. We'll normalize this here so that /bla/ returns
    // `object` of type `RegExp`.
    return "object";
  }
  if (propValue instanceof Immutable.Iterable) {
    return "Immutable." + propValue.toSource().split(" ") [0];
  }
  return propType;
}

function createChainableTypeChecker(validate) {
  function checkType(isRequired, props, propName, componentName, location, propFullName) {
    for (var _len = arguments.length, rest = Array(_len > 6 ? _len - 6 : 0), _key = 6; _key < _len; _key++) {
      rest[_key - 6] = arguments[_key];
    }

    propFullName = propFullName || propName;
    componentName = componentName || ANONYMOUS;
    if (props[propName] == null) {
      var locationName = location;
      if (isRequired) {
        return new Error("Required " + locationName + " `" + propFullName + "` was not specified in " + ("`" + componentName + "`."));
      }
    } else {
      return validate.apply(undefined, [props, propName, componentName, location, propFullName]).then(function(chainedCheckType) {
        return chainedCheckType.isRequired ? chainedCheckType.bind(null, false) : chainedCheckType;
      }, function(err) {
        if (err.name == ANONYMOUS) {
          return new Error("Invalid " + locationName + " `" + propName + "` of type " + propType + "" + err.message);
        } else {
          return err;
        }
      });
    }
  }

  var chainedCheckType = checkType.bind(null, false);

  createChainableTypeChecker.isRequired = checkType.bind(null, true);

  return checkType;
}

// WEBPACK FOOTER //
// ./src/core/utils.js

/**
 * This is a straight rip-off of the React.js ReactPropTypes.js proptype validators,
 * modified to make it possible to validate Immutable.js data. ImmutableTypes.listOf is patterned after React.PropTypes.arrayOf, but for Immutable.List.im
 * ImmutableTypes.shape is based on React.PropTypes.shape, but for any Immutable.Iterable
 */

var Immutable = require("immutable");

var ANONYMOUS = "<<anonymous>>";

var ImmutablePropTypes = {  
  listOf: createListOfTypeChecker,  
  mapOf: createMapOfTypeChecker,  
  orderedMapOf: createOrderedMapOfTypeChecker,  
  setOf: createSetOfTypeChecker,  
  orderedSetOf: createOrderedSetOfTypeChecker,  
  stackOf: createStackOfTypeChecker,  
  iterableOf: createIterableOfTypeChecker,  
  recordOf: createRecordOfTypeChecker,  
  iterable: createImmutableTypeChecker("Iterable", Immutable.Iterable.isIterable),  
  seq: createImmutableTypeChecker("Seq", Immutable.Seq.isSeq),  
  record: createImmutableTypeChecker("Record", function (isRecord) {  
    return isRecord instanceof Immutable.Record;
  }),
};

// var makeImmutable = makeImmutable || require("make-immutable");
// var makeImmutable = makeImmutable || require("make-immutable");
// var makeImmutable = makeImmutable || require("make-immutable");
// var makeImmutable = makeImmutable || require("make-immutable");

function createListOfTypeChecker(validate) {
  function checkType(isRequired, props, propName, componentName, location, propFullName) {
    for (var _len = arguments.length, rest = Array(_len > 6 ? _len - 6 : 0), _key = 6; _key < _len; _key++) {
      rest[_key - 6] = arguments[_key];
    }

    propFullName = propFullName || propName;
    componentName = componentName || ANONYMOUS;
    if (props[propName] == null) {
      var locationName = location;
      if (isRequired) {
        return new Error("Required " + locationName + " `" + propFullName + "` was not specified in " + ("`" + componentName + "`."));
      }
    } else {
      return validate.apply(undefined, [props, propName, componentName, location, propFullName]).then(function(chainedCheckType) {
        return chainedCheckType.isRequired ? chainedCheckType.bind(null, false) : chainedCheckType;
      }, function(err) {
        if (err.name == ANONYMOUS) {
          return new Error("Invalid " + locationName + " `" + propName + "` of type " + propType + "" + err.message);
        } else {
          return err;
        }
      });
    }
  }

  var chainedCheckType = checkType.bind(null, false);

  createListOfTypeChecker.isRequired = checkType.bind(null, true);

  return checkType;
}

propType + "+" \+ '(\"supplied to \" + componentName + \" + immutableClassName + \"\" + | \\
| return null;\n| return createChainableTypeChecker(validate);\nунfunction 
createIterableTypeChecker(typeChecker, immutableClassName, immutableClassTypeValidator) {\n| function validate(props, propName, componentName, location, propFullName) {\n| for (var _len = arguments.length, rest = Array(_len > 5 ? _len - 5 : 0), _key = 5; _key < _len; _key++) {\n| \n| var propValue = props[propName];\n| if (!immutableClassTypeValidator(propValue)) {
| var locationName = location;\n| var propType = getPropType(propValue);\n| return return new Error("Invalid \" + locationName + \" \" + propFullName + \"\" + (\"for propType \" + propFullName + \" + \", expected a function.\"));\n| }\n| var propValues = propValue.toArray();\n| for (var i = 0, len = propValues.length; i < len; i++) {\n| var error = typeChecker.apply(undefined, [propValues, i, componentName, location, \"" + propFullName + \"[" + i + "]\"].concat(rest));\n| if (error instanceof Error) {\n| return error;\n| }\n| }\n| return createChainableTypeChecker(validate);\n|}

unfunction createMapOfTypeCheckerFactory(valuesTypeChecker, keysTypeChecker, immutableClassName, immutableClassTypeValidator) {\n| function validate() {\n| for (var _len = arguments.length, args = Array(_len), _key = 0; _key < _len; _key++) {\n| args[_key] = arguments[_key];\n| }\n| return createIterableTypeChecker(valuesTypeChecker, immutableClassName, immutableClassTypeValidator).apply(undefined, args) || keysTypeChecker && createKeysTypeChecker(keysTypeChecker).apply(undefined, args);\n|}

unfunction createMapOfTypeChecker(valuesTypeChecker, keysTypeChecker) {
| return createMapOfTypeCheckerFactory(valuesTypeChecker, keysTypeChecker, "Map", Immutable.Map.isMap);\n|}

unfunction createOrderedMapOfTypeChecker(valuesTypeChecker, keysTypeChecker) {\n| return createMapOfTypeCheckerFactory(valuesTypeChecker, keysTypeChecker, "OrderedMap", Immutable.OrderedMap.isOrderedMap);\n|}

unfunction createSetOfTypeChecker(typeChecker) {\n| return createIterableTypeChecker(typeChecker, "Set", Immutable.Set.isSet);\n|}

unfunction createOrderedSetOfTypeChecker(typeChecker) {\n| return createIterableTypeChecker(typeChecker, "OrderedSet", Immutable.OrderedSet.isOrderedSet);\n|}

unfunction createStackOfTypeChecker(typeChecker) {\n| return createIterableTypeChecker(typeChecker, "Stack", Immutable.Stack.isStack);\n|}

unfunction createIterableOfTypeChecker(typeChecker) {\n| return createIterableTypeChecker(typeChecker, "Iterable", Immutable.Iterable.isIterable);\n|}

unfunction createRecordOfTypeChecker(recordKeys) {\n| function validate(props, propName, componentName, location, propFullName) {\n| for (var _len = arguments.length, rest = Array(_len > 5 ? _len - 5 : 0), _key = 5; _key < _len; _key++) {\n| \n| var propValue = props[propName];\n| if (!propValue instanceof Immutable.Record) {
| var propType = getPropType(propValue);\n| var locationName = location;\n| return return new Error("Invalid \" + locationName + \" \" + propFullName + \"\" + (\"supplied to \" + componentName + \" + \", expected an Immutable.js Record.\"));\n| }\n| var for (key in recordKeys) {\n| var checker = recordKeys[key];\n| if (checker) {\n| continue;\n| }\n| var mutablePropValue = propValue.toObject();\n| var error =
checker.apply(undefined, [mutablePropValue, key, componentName, location, "\"\" + propFullName + "\"\" + key].concat(rest));
  if (error) {
    return error;
  }
}
createChainableTypeChecker(validate);

function validate(props, propName, componentName, location, propFullName) {
  for (var _len = arguments.length, rest = Array(_len > 5 ? _len - 5 : 0), _key = 5; _key < _len; _key++) {
    rest[_key - 5] = arguments[_key];
  }
  var propValue = props[propName];
  if (!ImmutableClassTypeValidator(propValue)) {
    var propType = getPropType(propValue);
    var locationName = location;
    return new Error("Invalid " + locationName + " `" + propFullName + "` of type `" + propType + "` ".
    immutableClassName + "."));
  }
  var mutablePropValue = propValue.toObject();
  for (var key in shapeTypes) {
    var checker = shapeTypes[key];
    if (!checker) {
      continue;
    }
    var error = checker.apply(undefined, [mutablePropValue, key, componentName, location, "\"\" + propFullName + "\"\" + key].concat(rest));
    if (error) {
      return error;
    }
  }
}
createShapeChecker(shapeTypes);
createMapContainsChecker(shapeTypes);

module.exports = ImmutablePropTypes;


//////////////////
// WEBPACK FOOTER
// module id = 10
// module chunks = 0
/**
 * Copyright (c) 2014-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 * 
 */

'use strict';

var emptyFunction = require('./emptyFunction');

/**
 * WARNING: DO NOT manually require this module.
 * This is a replacement for `invariant(...)`
 * used by the error code system
 * and will _only_ be required by the corresponding babel pass.
 * It always throws.
 */

function reactProdInvariant(code) {
  var argCount = arguments.length - 1;
  var message = 'Minified React error #' + code + '; visit ' + 'http://facebook.github.io/react/docs/error-decoder.html?invariant=' + code + ' for the full message or use the non-minified
  dev environment + ` for full errors and additional helpful warnings.

  var error = new Error(message);
  error.name = 'Invariant Violation';
  error.framesToPop = 1; // we don't care about reactProdInvariant's own
from the start to our target node every time. Since we update `_renderedChildren` and the actual DOM at different times, we could race here and see a newer `_renderedChildren` than we've had the DOM nodes we see. To avoid this, ReactMultiChild calls `prepareToManageChildren` before we change `_renderedChildren`, at which time the container's child nodes are always cached (until it unmounts).

```javascript
function precacheChildNodes(inst, node) {
  if (inst.flags & Flags.hasCachedChildNodes) {
    return;
  }
  var children = inst._renderedChildren;
  var childNode = node.firstChild;
  outer: for (var name in children) {
    if (!children.hasOwnProperty(name)) {
      continue;
    }
    var childInst = children[name];
    var childID = getRenderedHostOrTextFromComponent(childInst)._domID;
    if (childID === 0) {
      // We're currently unmounting this child in ReactMultiChild; skip it.
      continue;
    }
    // We assume the child nodes are in the same order as the child instances.
    for (; childNode !== null; childNode = childNode.nextSibling) {
      if (shouldPrecacheNode(childNode, childID)) {
        precacheNode(childInst, childNode);
        continue outer;
      }
    }
    // We reached the end of the DOM children without finding an ID match.
    if (process.env.NODE_ENV !== 'production') {
      invariant(false, 'Unable to find element with ID %s.', childID);
    }
  }
  inst._flags |= Flags.hasCachedChildNodes;
}
```

```javascript
/**
 * Given a DOM node, return the closest ReactDOMComponent or
 * ReactDOMTextComponent instance ancestor.
 */
function getClosestInstanceFromNode(node) {
  if (node[internalInstanceKey]) {
    return node[internalInstanceKey];
  }

  // Walk up the tree until we find an ancestor whose instance we have cached.
  var parents = [];
  while (!node[internalInstanceKey]) {
    parents.push(node);
    if (node.parentNode) {
      node = node.parentNode;
    } else {
      // Top of the tree. This node must not be part of a React tree (or is unmounted, potentially).
      return null;
    }
  }

  var closest;
  var inst;
  for (; node && (inst = node[internalInstanceKey]); node = parents.pop()) {
    closest = inst;
    if (parents.length) {
      precacheChildNodes(inst, node);
    }
  }

  return closest;
}
```

```javascript
/**
 * Given a ReactDOMComponent or ReactDOMTextComponent, return the corresponding
 * DOM node.
 */
function getNodeFromInstance(inst) {
  // Without this first invariant, passing a non-DOM-component triggers the next invariant for a missing parent, which is super confusing.
  if (inst._hostNode !== undefined) {
  }

  if (inst._hostNode) {
    return inst._hostNode;
  }

  // Walk up the tree until we find an ancestor whose DOM node we have cached.
  var parents = [];
  while (!inst._hostNode) {
    parents.push(inst);
  }

  // Now parents contains each ancestor that does not have a cached DOM node, and `inst` is the deepest ancestor that does.
  for (; parents.length; inst = parents.pop()) {
    precacheChildNodes(inst, inst._hostNode);
  }

  return inst._hostNode;
}
```

```javascript
module.exports = ReactDOMComponentTree;
```
module id = 19
// module chunks = 0
"var store = require('./_shared')('wks');
var uid = require('./_uid');
var Symbol = require('./_global').Symbol;
var USE_SYMBOL = typeof Symbol === 'function';
var $exports = module.exports = function (name) {
  return store[name] || (store[name] =
    USE_SYMBOL && Symbol[name] || (USE_SYMBOL ? Symbol : uid)('Symbol.' + name));
};

$exports.store = store;


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_wks.js
// module id = 20
// module chunks = 0

"use strict";

exports.__esModule = true;

var _defineProperty = require("../core-js/object/define-property");

var _defineProperty2 = _interopRequireDefault(_defineProperty);

function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }

exports.default = function (obj, key, value) {
  if (key in obj) {
    (0, _defineProperty2.default)(obj, key, { value: value, enumerable: true, configurable: true, writable: true });
  } else {
    obj[key] = value;
  }

  return obj;
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/babel-runtime/helpers/defineProperty.js
// module id = 21
// module chunks = 0

var global = module.exports = typeof window != 'undefined' && window.Math == Math
    ? self: Function('return this')();
if (typeof __g == 'number') __g = global; // eslint-disable-next-line no-new-func


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_global.js
// module id = 22
// module chunks = 0

module.exports = { __esModule: require("core-js/library/fn/object/assign") },


//////////////////
// WEBPACK FOOTER
// ./node_modules/babel-runtime/core-js/object/assign.js
// module id = 23
// module chunks = 0

/**
 * Checks if `value` is classified as an `Array`
 * object.
 *
 * @static
 * @memberOf _
 * @since 0.1.0
 * @category Lang
 * @param {*} value The value
 * to check.
 * @returns {boolean} Returns `true` if `value` is an array, else `false`.
 * @example
 *
 * _.isArray([1, 2, 3]);
 * // => true
 *
 * _.isArray(document.body.children);
 * // => false
 *
 * _.isArray('abc');
 * // => false
 *
 * _.isArray(_.noop);
 * // => false
 */
var isArray = Array.isArray;

module.exports = isArray;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/isArray.js
// module id = 24

"use strict";

exports.__esModule = true;

var _assign = require("../core-js/object/assign");

var _assign2 = _interopRequireDefault(_assign);

function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }

exports.default = _assign2.default || function (target) {
  for (var i = 1; i < arguments.length; i++) {
    var source = arguments[i];

    for (var key in source) {
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
    }
  }

  return target;
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/babel-runtime/helpers/extends.js
// module id = 25
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var canUseDOM = !!(typeof window !== 'undefined' && window.document && window.document.createElement);

/**
 * Simple, lightweight module assisting with the detection and context
 * of a Worker. Helps avoid circular dependencies and allows code to reason about
 * whether or not they are in a Worker, even if they never include the main
 * `ReactWorker` dependency.
 */
var ExecutionEnvironment = { canUseDOM: canUseDOM, canUseWorkers: typeof Worker !== 'undefined', canUseEventListeners: canUseDOM && typeof window !== 'undefined' && window/document.createElement, canUseDOM && window.addEventListener, canUseViewport: canUseDOM && window.screen, isInWorker: !canUseDOM // For now, this is true - might change in the future.

module.exports = ExecutionEnvironment;


-------------------

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the callback A's updater provided when calling
      `setState`. `dirtyComponents.splice(0,
      this.dirtyComponentsLength);` then flushBatchedUpdates();
  } else {
    this.dirtyComponentsLength = 0;
  }
}

var UPDATE_QUEUEING = {
  initialize: function () {
    this.callbackQueue.reset();
  },
  close: function () {
    this.callbackQueue.notifyAll();
  }
};

var TRANSACTION_WRAPPERS = [
  NESTED_UPDATES, UPDATE_QUEUEING
];

function ReactUpdatesFlushTransaction() {
  this.reinitializeTransaction();
  this.dirtyComponentsLength = null;
  this.callbackQueue = CallbackQueue.getPooled();
  this.reconcileTransaction = ReactUpdates.ReactReconcileTransaction.getPooled(
    /* useCreateElement */ true);
}

_assign(ReactUpdatesFlushTransaction.prototype, Transaction, {
  getTransactionWrappers: function () {
    return TRANSACTION_WRAPPERS;
  },

  destructor: function () {
    this.dirtyComponentsLength = null;
    CallbackQueue.release(this.callbackQueue);
    this.callbackQueue = null;
    ReactUpdates.ReactReconcileTransaction.release(this.reconcileTransaction);
    this.reconcileTransaction = null;
  },

  perform: function (method, scope, a) {
    // Essentially calls
      this.reconcileTransaction.perform(method, scope, a);
  }
});

PooledClass.addPoolingTo(ReactUpdatesFlushTransaction);

function batchedUpdates(callback, a, b, c, d, e) {
  ensureInjected();
  return batchingStrategy.batchedUpdates(callback, a, b, c, d, e);
}

/**
 * Array comparator for ReactComponents by mount ordering.
 *
 * @param {ReactComponent} c1 first component
 * @param {ReactComponent} c2 second component you're comparing
 * @return {number} Return value usable by Array.prototype.sort().
 */
function mountOrderComparator(c1, c2) {
  return c1._mountOrder - c2._mountOrder;
}

function runBatchedUpdates(transaction) {
  var len = transaction.dirtyComponentsLength;
  !(len === dirtyComponents.length) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Expected flush transaction\'s stored dirty-components length (%s) to match dirty-components array length (%s).', len, dirtyComponents.length) : _prodInvariant('124', len, dirtyComponents.length) : void 0;

  dirtyComponents.sort(mountOrderComparator);

  // Any updates enqueued while reconciling must be performed after this entire
  // batch. Otherwise, if dirtyComponents is [A, B] where A has children B and
  // C, B could update twice in a single batch if C's render enqueues an update
  // to B (since B would have already updated, we should skip it, and the only
  // way we can know to do so is by checking the batch counter).

  updateBatchNumber++;

  for (var i = 0; i < len; i++) {
    // If a component is unmounted before pending
    // changes apply, it will still be here, but we assume that it has cleared its
    // pending callbacks. If performUpdateIfNecessary is a noop.

    if (performUpdateIfNecessary.isReactTopLevelWrapper) {
      namedComponent = component._renderedComponent;
    }

    console.time(markerName);
    ReactReconciler.performUpdateIfNecessary(component, transaction, updateBatchNumber);
    console.timeEnd(markerName);

    if (callbacks) {
      for (var j = 0; j < callbacks.length; j++) {
        transaction.callbackQueue.enqueue(callbacks[j], component.getPublicInstance());
      }
    }
  }
}

var flushBatchedUpdates = function () {
  while (dirtyComponents.length || asapEnqueued) {
    if (dirtyComponents.length) {
      var transaction = ReactUpdatesFlushTransaction.getPooled();
      transaction.perform(runBatchedUpdates, null, transaction);
    }
  }

  ReactUpdatesFlushTransaction.release(transaction);
};

if (process.env.NODE_ENV !== 'production'
  // safe to do now since ReactUpdatesFlushTransaction is
  // guaranteed to be the last transaction
)

Mark a component as needing a rerender, adding an optional callback to a list of functions which will be executed once the rerender occurs.

```javascript
/**
 * Enqueue a callback to be run at the end of the current batching cycle. Throws if no updates are currently being performed.
 */
function enqueueUpdate(component) {
  ensureInjected();

  // Various parts of our code (such as ReactCompositeComponent's
  // _renderValidatedComponent) assume that calls to render aren't nested;
  // verify that that's the case. (This is called by each top-level update function, like setState, forceUpdate, etc.; creation and destruction of top-level components is guarded in ReactMount.)

  if (!batchingStrategy.isBatchingUpdates) {
    batchingStrategy.batchedUpdates(enqueueUpdate, component);
    return;
  }

  dirtyComponents.push(component);
  if (component._updateBatchNumber == null) {
    component._updateBatchNumber = updateBatchNumber + 1;
  }
}

/**
 * Enqueue a callback to be run at the end of the current batching cycle. Use asap when the callback is not going to block the UI thread.
 */
function asap(callback, context) {
  invariant(batchingStrategy.isBatchingUpdates, "ReactUpdates.asap: Can't enqueue an asap callback in a context where updates are not being batched.");
  asapCallbackQueue.enqueue(callback, context);
  asapEnqueued = true;
}

var ReactUpdatesInjection = {
  injectReconcileTransaction: function (ReconcileTransaction) {
    !ReconcileTransaction ? process.env.NODE_ENV !== 'production' ? invariant(false, 'ReactUpdates: must provide a reconcile transaction class') : _prodInvariant('126') : void 0;
    ReactUpdates.ReactReconcileTransaction = ReconcileTransaction;
  },

  injectBatchingStrategy: function (_batchingStrategy) {
    !_batchingStrategy ? process.env.NODE_ENV !== 'production' ? invariant(false, 'ReactUpdates: must provide a batching strategy') : _prodInvariant('127') : void 0;
    !(typeof _batchingStrategy.batchedUpdates === 'function') ? process.env.NODE_ENV !== 'production' ? invariant(false, 'ReactUpdates: must provide a batchedUpdates() function') : _prodInvariant('128') : void 0;
    !(typeof _batchingStrategy.isBatchingUpdates === 'boolean') ? process.env.NODE_ENV !== 'production' ? invariant(false, 'ReactUpdates: must provide an isBatchingUpdates boolean attribute') : _prodInvariant('129') : void 0;
    batchingStrategy = _batchingStrategy;
  }
};

var ReactUpdates = {
  /**
   * React references `ReactReconcileTransaction` using this property in order
   * to allow dependency injection.
   * 
   * @internal
   */
  ReactReconcileTransaction: null,

  batchedUpdates: batchedUpdates,
  enqueueUpdate: enqueueUpdate,
  flushBatchedUpdates: flushBatchedUpdates,
  injection: ReactUpdatesInjection,
  asap: asap
};

module.exports = ReactUpdates;
```
owner is the component who should own any components that are\n* currently being constructed.\n*/
var ReactCurrentOwner = {\n  *\n  * @type {ReactComponent}\n  *  \n  *  null\n};\nmodule.exports = ReactCurrentOwner;\n\nWEBPACK FOOTER\n
/\node_modules/react/lib/ReactCurrentOwner.js\n/\n\nowner is the component who should own any components that are\n* currently being constructed.\n*/
var ReactCurrentOwner = {
  /**
   * @internal
   * @type {ReactComponent}
   */
  current:
  null
};

module.exports = ReactCurrentOwner;


//////////////////
// WEBPACK FOOTER
// module id = 47
// module chunks = 0
/**
 * Checks if `value` is object-like. A value is object-like if it's not `null` * and has a `typeof` result of `"object"`.\n * @param {\n *  \n *  null\n *  \n *  * @returns {\n *  \n *  boolean\n *  \n *  */
function isObjectLike(value) {
  return value != null && typeof value ==
  'object';
}

module.exports = isObjectLike;


//////////////////
// WEBPACK FOOTER
// module id = 48
// module chunks = 0
*/

import PooledClass from './PooledClass';

var emptyFunction = require('fbjs/lib/emptyFunction');
var warning = require('fbjs/lib/warning');

var didWarnForAddedNewProperty = false;
var isProxySupported = typeof Proxy === 'function';

var shouldBeReleasedProperties = ['dispatchConfig', '_targetInst', 'nativeEvent',
'isDefaultPrevented', 'isPropagationStopped', '_dispatchListeners', '_dispatchInstances'];

/**
 * @interface
 * @see http://www.w3.org/TR/DOM-Level-3-Events/
 */
var EventInterface = {
  type: null,
  target: null,
  // currentTarget is set when dispatching; no use in copying it here\n  currentTarget: emptyFunction.thatReturnsNull,
  eventPhase: null,
  bubbles: null,
  cancelable: null,
  timeStamp: function (event) {
    return event.timeStamp || Date.now();
  },
  defaultPrevented: null,
  isTrusted: null
};

/**
 * Synthetic events are dispatched by event plugins, typically in response to a\n * top-level event delegation handler. Users that\n * need a persisted event should invoke `persist`.\n * Synthetic events (and subclasses) implement the DOM Level 3 Events API by\n * normalizing browser quirks. Subclasses do not necessarily have to\n * implement `null` * DOM interface; custom application-specific events can also subclass this.\n * @param {\n *  \n *  function\n *  \n *  event\n *  \n *  (event) {\n *    return event.timeStamp || Date.now();\n *  },
 *  \n *  stopPropagation: function () {\n *    if (event.preventDefault) {
 *      event.preventDefault();
 *      // eslint-disable-next-line valid-typeof
 *    } else if (typeof event.cancelBubble !== 'unknown') {
 *      // The ChangeEventPlugin

Buffer.prototype.swap64 = function swap64() {
  var len = this.length
  if (len % 8 !== 0) {
    throw new RangeError('Buffer size must be a multiple of 64-bits')
  }
  for (var i = 0; i < len; i += 4) {
    swap(this, i, i + 3)
    swap(this, i + 1, i + 2)
  }
  return this
}

Buffer.prototype.swap32 = function swap32() {
  var len = this.length
  if (len % 4 !== 0) {
    throw new RangeError('Buffer size must be a multiple of 32-bits')
  }
  for (var i = 0; i < len; i += 2) {
    swap(this, i, i + 1)
  }
  return this
}

Buffer.prototype.swap16 = function swap16() {
  var len = this.length
  if (len % 2 !== 0) {
    throw new RangeError('Buffer size must be a multiple of 16-bits')
  }
  for (var i = 0; i < len; ++i) {
    var x = a[i]
    var y = b[i]
    a[i] = y
    b[i] = x
  }
  return this
}

Buffer.prototype._isBuffer = true

function slowToString(encoding, start, end) {
  var loweredCase = false

  // No need to verify that "this.length <= MAX_UINT32" since it's a read-only
  // property of a typed array.

  // This behaves neither like String nor Uint8Array in that we set start/end
  // to their upper/lower bounds if the value passed is out of range.
  // undefined is handled specially as per ECMA-262 6th Edition,
  // Section 13.3.3.7 Runtime Semantics:
  // KeyedBindingInitialization.
  if (start === undefined || start < 0) {
    start = 0
  }
  // Return early if start > this.length. Done here to prevent potential uint32
  // coercion fail below.
  if (start > this.length) {
    return ''
  }
  var len = this.length
  if (end === undefined || end > this.length) {
    end = this.length
  }
  if (end <= 0) {
    return ''
  }
  // Force coercion to uint32.
  this.length = Math.min(this.length, end - start + 1)
  // Check if we're not already coercion failed.
  if (this.length <= MAX_UINT32) {
    // As of ES5.1, we are no longer expected to throw.
  } else {
    return ''
  }

  var len = this.length
  var pos = start
  for (var i = 0; i < list.length; ++i) {
    var buf = list[i]
    if (!Buffer.isBuffer(buf)) {
      throw new TypeError('"list" argument must be an Array of Buffers')
    }
    for (var i = 0; i < list.length; ++i) {
      length += list[i].length
    }
  }

  var buffer = Buffer.allocUnsafe(length)

  var i
  if (length === undefined) {
    length = 0
  }
  // Avoid recursion ( sérialisation impérative )
  for (;;) {
    switch (encoding) {
      case 'latin1':
      case 'binary':
        case 'ucs2':
      case 'ucs-2':
      case 'utf16le':
      case 'utf-16le':
        return utf16leSlice(this, start, end)

      default:
        if (loweredCase) return utf8ToBytes(string).length
        encoding = ('' + encoding).toLowerCase()
        loweredCase = true
    }
  }
}

Buffer.isEncoding = function isEncoding(encoding) {
  switch (String(encoding).toLowerCase()) {
    case 'hex':
    case 'utf8':
    case 'utf-8':
      return true
    default:
      return false
  }
}

Buffer.compare = function compare(a, b) {
  if (!Buffer.isBuffer(a) || !Buffer.isBuffer(b)) {
    throw new TypeError('Both arguments to compare must be Buffers')
  }
  if (a === b) return 0
  if (a.length != b.length) return a.length > b.length ? 1 : -1
  var x = a.length
  var y = b.length
  if (x < y) return -1
  if (y < x) return 1

  var aLen = a.length
  var bLen = b.length
  var end = Math.min(aLen, bLen)

  for (var i = 0; i < end; ++i) {
    if (a[i] !== b[i]) {
      return a[i] < b[i] ? -1 : 1
    }
  }
  return 0
}

Buffer.concat = function concat(list, length) {
  if (lis

new RangeError('Buffer size must be a multiple of 64-bits')

swap(this, i, i + j)

swap(this, i + 1, i + 6)

swap(this, i + 2, i + 5)

swap(this, i + 3, i + 4)

return

this


Buffer.prototype.toString = function toString () {
  var length = this.length

  if (arguments.length === 0) return utf8Slice(this, 0, length)

  return slowToString.apply(this, arguments)

}

Buffer.prototype.equals = function equals (b) {
  if (!Buffer.isBuffer(b)) throw new TypeError('Argument must be a Buffer')

  if (this === b) return true

  return Buffer.compare(this, b) === 0

}

Buffer.prototype.inspect = function inspect () {
  var str = ''

  max = exports.INSPECT_MAX_BYTES

  if (this.length > max) str += '... '

  if (this.length > 0) {
    str = this.toString('hex', 0, max).match(/.{2}/g).join(' ')
  }

  if (this.length > max) str += '... '

  return '<Buffer ' + str + '>

}

Buffer.prototype.compare = function compare (target, start, end, thisStart, thisEnd) {
  if (!Buffer.isBuffer(target)) {
    throw new TypeError('Argument must be a Buffer')
  }

  if (start === undefined) {
    start = 0
  }

  if (end === undefined) {
    end = target.length
  }

  if ( diffic < end) {
    return 0
  }

  if (thisStart >= thisEnd) {
    return -1
  }

  if (start >= end) {
    return 1
  }

  // Normalize byteOffset
  if (isNaN(byteOffset)) {
    // byteOffset: it it's undefined, null, NaN, "foo", etc, search whole buffer
    byteOffset = 0
  } else if (byteOffset > this.length) {
    throw new RangeError('out of range index')
  }

  // Byte offsets are relative to the start of the buffer
  if (byteOffset < 0) byteOffset += this.length

  // compare (target, start, end, thisStart, thisEnd)
}

var i

if (dir) {
  var foundIndex = -1
  for (i = 0; i < arr.length; i++) {
    if (read(arr, i) === read(val, foundIndex === -1 ? 0 : i - foundIndex)) {
      return buf.readUInt16BE(i * indexSize)
    }
  }
}

var i

if (dir) {
  if (foundIndex !== -1) i -= i - foundIndex
  foundIndex = -1
}

else {

  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex + 1 === valLength) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex > 0) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex + 1 === valLength) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex >= valLength) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex + 1 === valLength) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex + 1 === valLength) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex + 1 === valLength) return foundIndex * indexSize

}

var i

if (dir) {
  if (foundIndex === -1) foundIndex = i

  if (i - foundIndex + 1 === valLength) return foundIndex * indexSize

}
Open Source Used in SD-Wan

var MAX_ARGUMENTS_LENGTH = 0x1000

function decodeCodePointsArray(codePoints) {
  var len = codePoints.length
  if (len <= MAX_ARGUMENTS_LENGTH) {
    return String.fromCharCode.apply(String, codePoints)
  }

  var res = ''
  var i = 0
  while (i < len) {
    res += String.fromCharCode.apply(String, codePoints.slice(i, i + MAX_ARGUMENTS_LENGTH))
    i += MAX_ARGUMENTS_LENGTH
  }
  return res
}

function asciiSlice(buf, start, end) {
  var ret = ''
  end = Math.min(buf.length, end)
  for (var i = start; i < end; ++i) {
    ret += String.fromCharCode(buf[i] & 0x7F)
  }
  return ret
}

function latin1Slice(buf, start, end) {
  var ret = ''
  end = Math.min(buf.length, end)
  for (var i = start; i < end; ++i) {
    ret += String.fromCharCode(buf[i])
  }
  return ret
}

function hexSlice(buf, start, end) {
  var bytes = buf.slice(start, end)
  var res = ''
  for (var i = 0; i < bytes.length; i += 2) {
    res += toHex(bytes[i] + bytes[i + 1] * 256)
  }
  return res
}

Buffer.prototype.slice = function slice(start, end) {
  var len = this.length
  start = ~~start
  end = end === undefined ? len : ~~end

  if (start < 0) {
    start += len
    if (start < 0) start = 0
  } else if (start > len) {
    start = len
  }

  if (end < 0) {
    end += len
    if (end < 0) end = 0
  } else if (end > len) {
    end = len
  }

  if (end < start) end = start

  var newBu
}
when somebody has screwed with setTimeout but no I.E. madness

try {
    // When we are in I.E. but the script has been
evalled so I.E. doesn’t trust the global object when called normally
    return cachedClearTimeout.call(null, marker);
} catch (e) {
    // same as above but when it's a version of I.E. that must have the global object
    // for ‘this’, hopefully our context correct otherwise it will throw a global error.
}

Some versions of I.E. have
different rules for clearTimeout vs setTimeout

var queue = [];
var draining = false;
var currentQueue;
var queueIndex = -1;

function cleanUpNextTick() {
    if (!draining || !currentQueue) {
        return;
    }
    draining = false;
    if (currentQueue.length) {
        queue = currentQueue.concat(queue);
    } else {
        queueIndex = -1;
    }
    if (queue.length) {
        this.runQueue.then(function (fn) {
            fn();
        }, function () {
            if (currQueue) {
                queueIndex -= 1;
            }
            if (queue.length) {
                runQueue.then(cleanUpNextTick);
            }
        });
    }
}

function drainQueue() {
    if (draining) {
        return;
    }
    var timeout = runTimeout(cleanUpNextTick);
    draining = true;

    var len = queue.length;
    while (len) {
        currentQueue = queue;
        queue = [];
        while (++queueIndex < len) {
            if (currentQueue) {
                currentQueue[queueIndex].run();
            }
        }
        queueIndex = -1;
        len = queue.length;
    }
    currentQueue = null;
    draining = false;
}

function process.nextTick(fun) {
    for (var i = 0; i < arguments.length; i++) {
        args[i] = arguments[i];
    }
    if (args.length) {
        queue.push(new Item(fun, args));
        if (queue.length === 1 && !draining) {
            runQueue.then(drainQueue);
        }
    }
}

function process.nextTick.fn() {
    if (typeof fn !== "function") throw new TypeError("fn is not a function");
    return fn;
}

function _toConsumableArray(arr) { if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) {
        arr2[i] = arr[i];
    }
    return arr2;
} else {
    return Object.values(arr);
}

function defaultEqualityCheck(a, b) {
    return a === b;
}

function defaultMemoize(func) {
    var equalityCheck = arguments.length <= 1 || arguments[1] === undefined ? defaultEqualityCheck : arguments[1];

    var lastArgs = null;
    var lastResult = null;
    return function () {
        for (var _len = arguments.length, args = Array(_len), _key = 0; _key < _len; _key++) {
            args[_key] = arguments[_key];
        }

        if (lastArgs === null || lastArgs.length !== args.length || !args.every(function (value, index) {
            return equalityCheck(value, lastArgs[index]);
        })) {
            lastResult = func.apply(undeclared, args);
        }
        lastArgs = args;
        return lastResult;
    };
}

function getDependencies(funcs) {
    var dependencies = Array.isArray(funcs[0]) ? funcs[0] : funcs;

    if (!dependencies.every(function (dep) {
        return typeof dep === "function";
    })) {
        throw new TypeError("fn must be a function");
    }
}

function createSelectorCreator(memoize) {
    var dependencies = Array.isArray(funcs) ? funcs[0] : funcs;

    if (dependencies.every(function (dep) {
        if (typeof dep == "function") {
            var dependencyTypes = dependencies.map(function (dep) {
                return typeof dep;
            });
            join("", dependencyTypes);
        }
    }));

    var dependencies = dependencies.map(function (dep) {
        return typeof dep;
    });

    if (dependencies.length === 0) {
        var dependencies = ";
    }

    var dependencyTypes = dependencies.map(function (dep) {
        return typeof dep;
    });

    if (dependencyTypes.length === 0) {
        var dependencyTypes = ";
    }

    var dependencyFunctions = dependencies.map(function (dep) {
        return typeof dep;
    });

    if (dependencyFunctions.length === 0) {
        var dependencyFunctions = ";
    }

    var dependencies = Array.isArray(funcs) ? funcs[0] : funcs;

    if (!dependencies.every(function (dep) {
        return typeof dep == "function";
    })) {
        throw new TypeError("fn must be a function");
    }
}

export function _toConsumableArray(arr) { if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) {
        arr2[i] = arr[i];
    }
    return arr2;
} else {
    return Object.values(arr);
}

function defaultEqualityCheck(a, b) {
    return a === b;
}

function defaultMemoize(func) {
    var equalityCheck = arguments.length <= 1 || arguments[1] === undefined ? defaultEqualityCheck : arguments[1];

    var lastArgs = null;
    var lastResult = null;
    return function () {
        for (var _len = arguments.length, args = Array(_len), _key = 0; _key < _len; _key++) {
            args[_key] = arguments[_key];
        }

        if (lastArgs === null || lastArgs.length !== args.length || !args.every(function (value, index) {
            return equalityCheck(value, lastArgs[index]);
        })) {
            lastResult = func.apply(undeclared, args);
        }
        lastArgs = args;
        return lastResult;
    };
}

function getDependencies(funcs) {
    var dependencies = Array.isArray(funcs) ? funcs[0] : funcs;

    if (!dependencies.every(function (dep) {
        return typeof dep == "function";
    })) {
        throw new TypeError("fn must be a function");
    }
}

export function _toConsumableArray(arr) { if (Array.isArray(arr)) {
    for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) {
        arr2[i] = arr[i];
    }
    return arr2;
} else {
    return Object.values(arr);
}

function defaultEqualityCheck(a, b) {
    return a === b;
}

function defaultMemoize(func) {
    var equalityCheck = arguments.length <= 1 || arguments[1] === undefined ? defaultEqualityCheck : arguments[1];

    var lastArgs = null;
    var lastResult = null;
    return function () {
        for (var _len = arguments.length, args = Array(_len), _key = 0; _key < _len; _key++) {
            args[_key] = arguments[_key];
        }

        if (lastArgs === null || lastArgs.length !== args.length || !args.every(function (value, index) {
            return equalityCheck(value, lastArgs[index]);
        })) {
            lastResult = func.apply(undeclared, args);
        }
        lastArgs = args;
        return lastResult;
    };
}
dependencies = getDependencies(funcs);

var memoizedResultFunc = memoize.apply(undefined, [function () {
  recomputations++;
  return resultFunc.apply(undefined, arguments);
}]);

var selector = function selector(state, props) {
  for (var _len4 = arguments.length, args = Array(_len4 > 2 ? _len4 - 2 : 0), _key4 = 2; _key4 < _len4; _key4++) {
    args[_key4 - 2] = arguments[_key4];
  }

  var params = dependencies.map(function (dependency) {
    return dependency.apply(undefined, [state, props].concat(args));
  });

  return memoizedResultFunc.apply(undefined, _toConsumableArray(params));
}

var selector.recomputations = function () {
  return recomputations;
};

var selector.resetRecomputations = function () {
  return recomputations = 0;
};

return selector;

var createSelector = exports.createSelector = createSelectorCreator(defaultMemoize);

function createStructuredSelector(selectors) {
  var selectorCreator = arguments.length <= 1 || arguments[1] === undefined ? createSelector : arguments[1];

  if (typeof selectors !== 'object') {
    throw new Error('createStructuredSelector expects first argument to be an object & (where each property is a selector, instead received a ' + (typeof selectors));
  }

  var objectKeys = Object.keys(selectors);

  return selectorCreator(objectKeys.map(function (key) {
    return selectors[key];
  }), function () {
    return values.reduce(function (composition, value, index) {
      composition[objectKeys[index]] = value;
      return composition;
    }, {});
  });
}

WEBPACK FOOTER

var dP = require('./_object-dp');
var createDesc = require('./_property-desc');
module.exports = require('./_descriptors') ? function (object, key, value) {
  return dP.f(object, key, createDesc(1, value));
} : function (object, key, value) {
  object[key] = value;
  return object;
};

WEBPACK FOOTER

var isObject = require('./_is-object');
module.exports = function (it) {
  if (!isObject(it)) throw TypeError(it + ' is not an object!');
  return it;
};

WEBPACK FOOTER

var core = module.exports = { version: '2.5.5' };
if (typeof __e == 'number') __e = core; // eslint-disable-line no-undef

WEBPACK FOOTER

var Symbol = require('./_Symbol'),
    getRawTag = require('./_getRawTag'),
    objectToString = require('./_objectToString');

/** `Object#toString` result references. */
var nullTag = '[object Null]',
    undefinedTag = '[object Undefined]';

/** Built-in value references. */
var symToStringTag = Symbol ? Symbol.toStringTag : undefined;

/**
 * The base implementation of `getTag` without fallbacks for buggy environments.
 * 
 * @private
 * @param {*} value The value to query.
 * @returns {string} Returns the `toStringTag`. 
 */
function baseGetTag(value) {
  if (value == null) {
    return value === undefined ? undefinedTag : nullTag;
  }
  return (symToStringTag &&
    symToStringTag in Object(value))
    ? getRawTag(value)
    : objectToString(value);
}

module.exports = baseGetTag;

WEBPACK FOOTER

var arrayLikeKeys = require('./_arrayLikeKeys'),
    baseKeys = require('./_baseKeys'),
    isArrayLike = require('./isArrayLike');

/**
 * Creates an array of the own enumerable property names of `object`.
 * 
 * @private
 * @param {Object} object The object to query.
 * @returns {Array} Returns the array of property names.
 */
function arrayLikeKeys(object) {
  var isArrayLike = isArrayLike(object);

  var arrayLikeKeys = isArrayLike ? (object.length ? 'length' : '') : 'keys';

  var baseKeys = require('_baseKeys');

  return isArrayLike ? object[arrayLikeKeys] : ('length' in object ? object['length'] : object[arrayLikeKeys]);
}

WEBPACK FOOTER

module.exports = arrayLikeKeys;

WEBPACK FOOTER

var baseGetTag = require('./_baseGetTag'),
    objectToString = require('./_objectToString');

function baseGetTag(value) {
  if (value == null) {
    return value === undefined ? undefinedTag : nullTag;
  }

  return (symToStringTag &&
    symToStringTag in Object(value))
    ? getRawTag(value)
    : objectToString(value);
}

module.exports = baseGetTag;

WEBPACK FOOTER

var arrayLikeKeys = require('./_arrayLikeKeys'),
    baseKeys = require('./_baseKeys'),
    isArrayLike = require('./isArrayLike');

/**
 * Checks if `value` is any of the following: array-like object, array-like reference, function, or object (such as objects and DOM nodes).
 * 
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is array-like, else `false`.
 */
function arrayLikeToValue(value) {
  var result = false;
  var length = value.length;
  if (length != null)
    return length == length ? true : false;

  if (value == null)
    return false;

  var type = typeof value;

  if (type == 'function'
    || (type == 'object' && value.nodeType))
    return true;

  if (type == 'object'
    && (value.constructor &&
      (!!value.constructor &&
        value.constructor.isArrayLike)))
    return true;

  return false;
}

module.exports = arrayLikeToValue;

WEBPACK FOOTER

var getTag = require('./_getTag'),
    isObject = require('./_isObject');

function isObjectLike(value) {
  return !!(value && (typeof value == 'object' || isObject(value)));
}

module.exports = isObjectLike;

WEBPACK FOOTER

var getTag = require('./_getTag'),
    isArray = require('./isArray'),
    isObject = require('./_isObject');

function isLength(value) {
  return isObjectLike(value) && isArray(value)
    && (value.length >= 0 && (value.length == value.length));
}

module.exports = isLength;

WEBPACK FOOTER

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./_isObject');

function isObjectLike(value) {
  return !!(value && (typeof value == 'object' || isObject(value)));
}

module.exports = isObjectLike;

WEBPACK FOOTER

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./_isObject');

function isObjectLike(value) {
  return !!(value && (typeof value == 'object' || isObject(value)));
}

module.exports = isObjectLike;

WEBPACK FOOTER

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./_isObject');

function isObjectLike(value) {
  return !!(value && (typeof value == 'object' || isObject(value)));
}

module.exports = isObjectLike;

WEBPACK FOOTER

var baseGetTag = require('./_baseGetTag'),
    isObject = require('./_isObject');

function isObjectLike(value) {
  return !!(value && (typeof value == 'object' || isObject(value)));
}

module.exports = isObjectLike;
*\n * _.keys('hi');
 * // => ['0', '1']
 */
function keys(object) {
  return isArrayLike(object) ?
    arrayLikeKeys(object) :
    baseKeys(object);
}

module.exports = keys;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/keys.js
// module id = 64
// module chunks = 0

/*<replacement>*/
var pna = require('process-nextick-args');
/*</replacement>*/

/*<replacement>*/
var objectKeys = Object.keys ||
  function (obj) {
    var keys = [];
    for (var key in obj) {
      keys.push(key);
    } return keys;
};
/*</replacement>*/

module.exports = Duplex;

/*<replacement>*/
var util = require('core-util-is');
util.inherits = require('inherits');
/*</replacement>*/

var Readable = require('./_stream_readable');
var Writable = require('./_stream_writable');

util.inherits(Duplex, Readable);

{
  var keys = objectKeys(Writable.prototype);
  for (var v = 0; v < keys.length; v++) {
    var method = keys[v];
    if (!Duplex.prototype[method])
      Duplex.prototype[method] = Writable.prototype[method];
  }
}

function Duplex(options) {
  if (!(this instanceof Duplex)) return new Duplex(options);

  Readable.call(this, options);
  Writable.call(this, options);

  if (options && options.readable === false) this.readable = false;

  if (options && options.writable === false) this.writable = false;

  this.allowHalfOpen = true;
  if (options && options.allowHalfOpen === false) this.allowHalfOpen = false;

  this.once('end', onend);
}

Object.defineProperty(Duplex.prototype, 'writableHighWaterMark', {
  enumerable: false,
  get: function () {
    return this._writableState.highWaterMark;
  }
});

// the no-half-open enforcer
function onend() {
  // if we allow half-open state, or if the writable side
  // ended,
  // then we're ok.
  if (this.allowHalfOpen || this._writableState.ended) return;

  // no more data can be
  // written.
  // But allow more writes to happen in this tick.
  pna.nextTick(onEndNT, this);
}

function onEndNT(self) {
  self.end();
}

Object.defineProperty(Duplex.prototype, 'destroyed', {
  get: function () {
    if (this._readableState === undefined ||
        this._writableState === undefined) {
      return false;
    }
    return this._readableState.destroyed &&
        this._writableState.destroyed;
  },
  set: function (value) {
    // we ignore the
    // value if the stream
    // has not been initialized yet
    if (this._readableState === undefined ||
        this._writableState === undefined) {
      return;
    }

    // backward compatibility, the user is explicitly
    // managing
    destroy;
    this._readableState.destroyed = value;
    this._writableState.destroyed = value;
  }
});

Duplex.prototype._destroy = function (err, cb) {
  this.push(null);
  this.end();

  pna.nextTick(cb, err);
}

module.exports = function (val) {
  return (val !== undefined) && (val !== null);
};

module.exports = function (value) {
  return Math.max(0, toInteger(value));
};

module.exports = function (value) {
  return Math.max(0, toInteger(value));
};

module.exports = function (value) {
  return Math.max(0, toInteger(value));
};
0","use strict");

exports.__esModule = true;

var _interopRequireDefault = require('./core-js/module/interop/RequireDefault');

function _interopRequireDefault(obj) {
  return obj && (obj.__esModule ? obj.getDefault : obj);
}

exports.default = function (arr) {
  for (var i = 0, arr2 = Array(arr.length); i < arr.length; i++) {
    arr2[i] = arr[i];
  }
  return arr2;
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/react-prod-invariant.js
// module id = 69
// module chunks = 0

var _prodInvariant = require('./reactProdInvariant');

var invariant = require('fbjs/lib/invariant');

var DEFAULT_POOL_SIZE = 10;

var DEFAULT_POOLER = oneArgumentPooler;

var PooledClass = {
  oneArgumentPooler: oneArgumentPooler,
  twoArgumentPooler: twoArgumentPooler,
  threeArgumentPooler: threeArgumentPooler,
  fourArgumentPooler: fourArgumentPooler
};

module.exports = PooledClass;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/PooledClass.js

var TO_STRING_TAG = require('./_wks')('toStringTag');

var Iterators = require('./_iterators');

var DOMIterables = 'CSSRuleList,CSSStyleDeclaration,CSSValueList,ClientRectList,DOMRectList,DOMStringList,' +
  'DOMTokenList,DataTransferItemList,FileList,HTMLAllCollection,HTMLCollection,HTMLFormElement,HTMLSelectElement,' +
  'MediaList,MimeTypeArray,NamedNodeMap,NodeList,PaintRequestList,Plugin,PluginArray,SVGLengthList,SVGPathSegList,SVGPointList,SVGStringList,SVGTransformList,SourceBufferList,StyleSheetList,TextTrackCueList,TextTrackList,TouchList').split(',');

for (var i = 0; i < DOMIterables.length; i++) {
  var NAME = DOMIterables[i];
  var Collection = global[NAME];
  var proto = Collection && Collection.prototype;
  if (proto
lowPriorityWarning(warnedForCreateMixin, 'React.createMixin is deprecated and should not be used. ' + 'In React v16.0, it will be removed. ' + 'You can use this mixin directly instead. ' + 'See https://fb.me/create mixin-was-never-implemented for more info.');

var React = (function () {
  if (process.env.NODE_ENV !== 'production') {
    var warnedForCreateClass = false;
    if (canDefineProperty) {
      Object.defineProperty(React, 'PropTypes', {
        get: function () {
          lowPriorityWarning(didWarnPropTypesDeprecated, 'Accessing PropTypes via the main React package is deprecated,' + ' and will be removed in React v16.0.' + ' Use the latest available v15.* prop-types package from npm instead.' + ' For info on usage, compatibility, migration and more, see ' + 'https://fb.me/prop-types-docs');
          didWarnPropTypesDeprecated = true;
          return ReactPropTypes;
        }
      });
      Object.defineProperty(React, 'createClass', {
        get: function () {
          lowPriorityWarning(warnedForCreateClass, 'Accessing createClass via the main React package is deprecated,' + ' and will be removed in React v16.0.' + ' Use a plain JavaScript class instead. If you're not yet ' + 'ready to migrate, create-react-class v15.* is available ' + 'on npm as a temporary, drop-in replacement. ' + 'For more info see ' + 'https://fb.me/react-create-class');
          warnedForCreateClass = true;
          return createReactClass;
        }
      });
    }
    var ReactDOMFactories = React.dom?
  }

  React.DOM = {};
  var warnedForFactories = false;
  Object.keys(ReactDOMFactories).forEach(function (factory) {
    React.DOM[factory] = function () {
      if (!warnedForFactories) {
        lowPriorityWarning(false, 'Accessing factories like React.DOM.%s has been deprecated ' + 'and will be removed in v16.0+. Use the ' + 'react-dom-factories package instead. ' + 'Version 1.0 provides a drop-in replacement.' + ' For more info, see ' + 'https://fb.me/react-domfactories', factory);
        warnedForFactories = true;
      }
      return ReactDOMFactories[factory].apply(ReactDOMFactories, arguments);
    };
  });

  module.exports = React;

  /* WEBPACK FOOTER */
  /******************************************************************************/
Object.defineProperty(props, 'key', {
    get: warnAboutAccessingKey,
    configurable: true
  });

function defineRefPropWarningGetter(props, displayName) {
  var warnAboutAccessingRef = function () {
    if (!specialPropRefWarningShown) {
      specialPropRefWarningShown = true;
      process.env.NODE_ENV !== 'production' ? warning(false, '%s: `ref` is not a prop. Trying to access it will result ’ + in ’undefined’ being returned. If you need to access the same ’ + value within the child component, you should pass it as a different ’ + prop. (https://fb.me/react-special-props), displayName) : void 0;
    }
  };
  warnAboutAccessingRef.isReactWarning = true;
  Object.defineProperty(props, 'ref', {
    get: warnAboutAccessingRef,
    configurable: true
  });
}

/**
 * Factory method to create a new React element. This no longer adheres to
 * the class pattern, so
 * do not use new to call it. Also, no instanceof check will work. Instead test $typeparam field against
 **/
function Schema(definition) {
  this.include  = definition.include  || 
     this.implicit = definition.implicit || 
     this.explicit = definition.explicit || 

  this.implicit.forEach(function (type) {
    if (type.loadKind && type.loadKind !== 'scalar') {
      throw new YAMLException('There is a non-scalar type in the implicit list of a schema. Implicit resolving of such types is not supported. '); } 
  });

  this.compiledImplicit = compileList(this, 'implicit', 
     this.compiledExplicit = compileList(this, 'explicit', 
     this.compiledTypeMap = compileMap(this.compiledImplicit, this.compiledExplicit); 

  });

  return new Schema({
    include: schemas,
    explicit: types
  });
};

module.exports = Schema;

//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml/common.js
// module id = 88
// module chunks = 0","use strict;"}(!$/eslint-disable max-len?*/\n
common = require('./common');
var YAMLException = require('./exception');
var Type = require('./type');

function compileList(schema, name, result) {
  var exclude = [];

  schema.include.forEach(function (includedSchema) {
    result = compileList(includedSchema, name, result);
  });

  schema[name].forEach(function (currentType) {
    result.forEach(function (previousType, previousIndex)
      if (previousType.tag === currentType.tag && previousType.kind === currentType.kind) {
      exclude.push(previousIndex);
    }
  });

  result.push(currentType);

  return result.filter(function (type, index) {
    return exclude.indexOf(index) === -1;
  });
}

function compileMap(/* lists... */) {
  var result = {
        scalar: {},
        sequence: {},
        mapping: {},
        fallback: {}
      }, index, length;

  function collectType(type) {
    result[type.kind][type.tag] = result['fallback'][type.tag] = type;
  }

  for (index = 0, length = arguments.length; index < length; index += 1) {
    arguments[index].forEach(collectType);
  }

  return result;
}

function Schema(definition) {
  this.include  = definition.include  || 
  this.implicit = definition.implicit || 
  this.explicit = definition.explicit || 

  this.implicit.forEach(function (type) {
    if (type.loadKind && type.loadKind !== 'scalar') {
      throw new YAMLException('There is a non-scalar type in the implicit list of a schema. Implicit resolving of such types is not supported. '); 
  });

  this.compiledImplicit = compileList(this, 'implicit', 
  this.compiledExplicit = compileList(this, 'explicit', 
  this.compiledTypeMap = compileMap(this.compiledImplicit, this.compiledExplicit);

  return new Schema({
    include: schemas,
    explicit: types
  });
};

module.exports = Schema;

//////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml/schema.js
// module id = 89
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 * $\* Copyright (c) 2013-present, Facebook, Inc.$
 * $\* This code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.$
 * $\* Copyright (c) 2013-present, Facebook, Inc.
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

var invariant = require('fbjs/lib/invariant');

function checkMask(value, bitmask) {
  return (value & bitmask) === bitmask;
}

var DOMPropertyInjection = {
  /**
   * Mapping from normalized, camelcased property names to
   * configuration thatثم ذاعب is how the associated DOM property should be accessed or rendered
ثم ذاعب *
   * * MUST_USE_PROPERTY: 0x1,
   * * HAS_BOOLEAN_VALUE: 0x4,
   * * HAS_NUMERIC_VALUE: 0x8,
   * * HAS_POSITIVE_NUMERIC_VALUE: 0x10 | 0x8,
   * * HAS_OVERLOADED_BOOLEAN_VALUE: 0x20,
   * * Inject some specialized knowledge about the DOM. This takes a config object
   * * *Properties: object mapping DOM property name to one of the
   * * DOMPropertyInjection constants or null. If your attribute isn't in here, it won't get written to the DOM.
   */

  *\* DOMAttributeNames: object mapping React attribute name to the DOM
   * * attribute name. Attribute names not specified use the *\*lowercase*\* normalized name
   * * DOMAttributeNameSpaces: object mapping
   * * React attribute name to the DOM
   * * attribute namespace URL. (Attribute names not specified use no
   * * namespace.)
   */

};

window.DOMPropertyInjection = {
  /**
   * Mapping from normalized, camelcased property names to
   * configuration that
   * * specifies how the associated DOM property should be accessed or rendered
   * * *
   */

  MUST_USE_PROPERTY: 0x1,
  HAS_BOOLEAN_VALUE: 0x4,
  HAS_NUMERIC_VALUE: 0x8,
  HAS_POSITIVE_NUMERIC_VALUE: 0x10 | 0x8,
  HAS_OVERLOADED_BOOLEAN_VALUE: 0x20,

  *\* *Properties: object mapping DOM property name to one of the
   * * DOMPropertyInjection constants or null. If your attribute isn't in here, it won't get written to the DOM.
   */

  *\* DOMAttributeNameSpaces: object mapping
   * * React attribute name to the DOM
   * * attribute namespace URL. (Attribute names not specified use no
   * * namespace.)
   */

};
DOMProperty is a property that requires special mutation methods. If its `value` is undefined, the mutation method should unset the property.

```javascript
DOMProperty.domPropertyConfig = function (domPropertyConfig) {
  var Injection = DOMPropertyInjection;
  var Properties = domPropertyConfig.Properties || {};
  var DOMAttributeNamespaces = domPropertyConfig.DOMAttributeNamespaces || {};
  var DOMAttributeNames = domPropertyConfig.DOMAttributeNames || {};
  var DOMProperties = domPropertyConfig.DOMProperties || {};
  var DOMMutationMethods = domPropertyConfig.DOMMutationMethods || {};

  if (domPropertyConfig.isCustomAttribute) {
    DOMProperty._isCustomAttributeFunctions.push(domPropertyConfig.isCustomAttribute);
  }

  for (var propName in Properties) {
    if (DOMProperty.properties.hasOwnProperty(propName)) {
      process.env.NODE_ENV !== 'production' ? invariant(false, 'DOMProperty: Value can be one of boolean, overloaded boolean, or numeric value, but not a combination: %s', propName) : _prodInvariant('50', propName);
    }

    var propertyInfo = {
      attributeName: propName.toLowerCase(),
      attributeNamespace: null,
      propertyName: propName,
      mutationMethod: null,
      mustUseProperty: checkMask(propConfig, Injection.MUST_USE_PROPERTY),
      hasBooleanValue: checkMask(propConfig, Injection.HAS_BOOLEAN_VALUE),
      hasNumericValue: checkMask(propConfig, Injection.HAS_NUMERIC_VALUE),
      hasPositiveNumericValue: checkMask(propConfig, Injection.HAS_POSITIVE_NUMERIC_VALUE),
      hasOverloadedBooleanValue: checkMask(propConfig, Injection.HAS_OVERLOADED_BOOLEAN_VALUE)
    };

    DOMProperty.properties[propName] = propertyInfo;
  }
};
```

DOMProperty exports lookup objects that can be used like functions:
```
DOMProperty.isValid['id']
true
DOMProperty.isValid['foobar']
undefined
```

Although this may be confusing, it performs better in general. See http://jsperf.com/key-exists and http://jsperf.com/key-missing for a comparison.

For compatibility with existing libraries, DOMProperty exports the following lookup objects that can be used like functions:
```javascript
DOMProperty.isId
true
DOMProperty.isBoolean
false
DOMProperty.isNumeric
false
DOMProperty.isPositiveNumeric
false
DOMProperty.isOverloadedBoolean
false
```

When rendering markup or with `*Attribute()` methods, DOMProperty exports:
```
DOMProperty.isValid['id']
true
DOMProperty.isBoolean['isTrue']
true
DOMProperty.isNumeric['100']
true
DOMProperty.isPositiveNumeric['100']
true
DOMProperty.isOverloadedBoolean['isTrue']
true
```
`setAttribute()` after initial render.
* mustUseProperty:
  * Whether the property must be accessed and mutated as an object property.
* hasBooleanValue:
  * Whether the property should be removed when set to a falsy value.
* hasNumericValue:
  * Whether the property must be numeric or parse as a numeric and should be
removed when set to a falsy value.
* hasPositiveNumericValue:
  * Whether the property must be positive numeric or parse as a positive
numeric and should be removed when set to a falsy value.
* hasOverloadedBooleanValue:
  * Whether the property can be used as a flag as well as with a value.
  * Removed when strictly equal to false; present without a value when
strictly equal to true; present with a value otherwise.
* properties: 
  * Mapping from lowercase property names to the properly cased
version, used to warn in the case of missing properties. Available only in __DEV__.

  * mustUseProperty:
  * Whether the property must be accessed and mutated as an object property.
* hasBooleanValue:
  * Whether the property should be removed when set to a falsy value.
* hasNumericValue:
  * Whether the property must be numeric or parse as a numeric and should be
removed when set to a falsy value.
* hasPositiveNumericValue:
  * Whether the property must be positive numeric or parse as a positive
numeric and should be removed when set to a falsy value.
* hasOverloadedBooleanValue:
  * Whether the property can be used as a flag as well as with a value.
  * Removed when strictly equal to false; present without a value when
strictly equal to true; present with a value otherwise.
* @property {Object} getProperties
  * All of the isCustomAttribute() functions that have been injected.

  * mustUseProperty:
  * Whether the property must be accessed and mutated as an object property.
* hasBooleanValue:
  * Whether the property should be removed when set to a falsy value.
* hasNumericValue:
  * Whether the property must be numeric or parse as a numeric and should be
removed when set to a falsy value.
* hasPositiveNumericValue:
  * Whether the property must be positive numeric or parse as a positive
numeric and should be removed when set to a falsy value.
* hasOverloadedBooleanValue:
  * Whether the property can be used as a flag as well as with a value.
  * Removed when strictly equal to false; present without a value when
strictly equal to true; present with a value otherwise.
* properties: 
  * Mapping from lowercase property names to the properly cased
version, used to warn in the case of missing properties. Available only in __DEV__.

```javascript
  properties: {},

  /**
   * Mapping from lowercase property names to the properly cased
   * version, used to warn in the case of missing properties. Available only in __DEV__.
   *
   * autofocus is predefined, because adding it to the property whitelist
   * causes unintended side effects.
   *
   * @type {Object}
   */
  getPossibleStandardName: process.env.NODE_ENV !== 'production' ? { autofocus: 'autoFocus' } : null,

  /**
   * Checks whether a property name is a custom attribute.
   *
   * @method
   */
  isCustomAttribute: function (attributeName) {
    for (var i = 0; i < DOMProperty._isCustomAttributeFunctions.length; i++) {
      var isCustomAttributeFn = DOMProperty._isCustomAttributeFunctions[i];
      if (isCustomAttributeFn(attributeName)) {
        return true;
      }
    }
    return false;
  },

  injection: DOMPropertyInjection
};

module.exports = DOMProperty;

```

```javascript
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/DOMProperty.js
// module id = 90
// module chunks = 0

`
* Update a component using a new element.

```javascript
* @param {ReactComponent} internalInstance
* @param {ReactElement} nextElement
* @param {ReactReconcileTransaction} transaction
* @param {object} context
* @internal
*/
function receiveComponent(internalInstance, nextElement, transaction, context) {
  var prevElement = internalInstance._currentElement;
  if (nextElement === prevElement && context === internalInstance._context) {
    // Since elements are immutable after the owner is rendered, we can do a cheap identity compare here to determine if this is a superfluous reconcile. It's possible for state to be mutable but such change should trigger an update of the owner which would recreate the element. We explicitly check for the existence of an owner since it's possible for an element created outside a composite to be deeply mutated and reused.
    // TODO: Bailing out early is just a perf optimization right?
    return;
  }
  var refsChanged = ReactRef.shouldUpdateRefs(prevElement, nextElement);
  if (refsChanged) {
    ReactRef.detachRefs(internalInstance, prevElement);
  }
  internalInstance.receiveComponent(nextElement, transaction, context);
  if (refsChanged && internalInstance._currentElement && internalInstance._currentElement.ref !== null) {
    transaction.getReactMountReady().enqueue(attachRefs, internalInstance);
  }
  if (process.env.NODE_ENV !== 'production') {
    if (internalInstance._debugID !== 0) {
      ReactInstrumentation.debugTool.onBeforeUpdateComponent(internalInstance._debugID, nextElement);
    }
  }
}
```

```javascript
/**
 * Flush any dirty changes in a component.
 *
 * @param {ReactComponent} internalInstance
 * @param {ReactReconcileTransaction} transaction
 * @internal
 */
function performUpdateIfNecessary(internalInstance, transaction, updateBatchNumber) {
  if (internalInstance._updateBatchNumber !== updateBatchNumber) {
    // The component's enqueued batch number should always be the current batch or the following one.
    if (process.env.NODE_ENV !== 'production') {
      if (internalInstance._debugID !== 0) {
        ReactInstrumentation.debugTool.onBeforeUpdateComponent(internalInstance._debugID, internalInstance._currentElement);
      }
    }
    internalInstance.performUpdateIfNecessary(transaction);
    if (process.env.NODE_ENV !== 'production') {
      if (internalInstance._debugID !== 0) {
        ReactInstrumentation.debugTool.onUpdateComponent(internalInstance._debugID);
      }
    }
  }
}
```

module.exports = ReactReconciler;

```
// WEBPACK FOOTER
// module id = 91
// module chunks = 0
```
```javascript
insertTreeBefore = createMicrosoftUnsafeLocalFunction(function (parentNode, tree, referenceNode) {
  //
  DocumentFragments aren't actually part of the DOM after insertion so
  // appending children won't update the
  // DOM. We need to ensure the fragment
  // is properly populated first, breaking out of our lazy approach for just
  // this level. Also, some <object> plugins (like Flash Player) will read
  // <param> nodes immediately upon
  // insertion into the DOM, so <object>
  // must also be populated prior to insertion into the DOM.
  if (tree.nodeType === DOCUMENT_FRAGMENT_NODE_TYPE || tree.nodeType ===
      ELEMENT_NODE_TYPE && tree.nodeName.toLowerCase() === 'object') {
    insertTreeChildren(tree);
    parentNode.insertBefore(tree.node, referenceNode);
  } else {
    parentNode.insertBefore(tree.node, referenceNode);
  }
});

function replaceChildWithTree(oldNode, newTree) {
  oldNode.parentNode.replaceChild(newTree.node, oldNode);
  insertTreeChildren(newTree);
}

function queueChild(parentTree, childTree) {
  if (enableLazy) {
    parentTree.children.push(childTree);
  } else {
    parentTree.node.appendChild(childTree.node);
  }
}

function queueHTML(tree, html) {
  if (enableLazy) {
    tree.html = html;
  } else {
    setInnerHTML(tree.node, html);
  }
}

function queueText(tree, text) {
  if (enableLazy) {
    tree.text = text;
  } else {
    setTextContent(tree.node, text);
  }
}

function toString() {
  return this.node.nodeName;
}

function DOMLazyTree(node) {
  return {
    node: node,
    children: [],
    html: null,
    text: null,
    toString: toString
  };
}

DOMLazyTree.insertTreeBefore = insertTreeBefore;
DOMLazyTree.replaceChildWithTree = replaceChildWithTree;
DOMLazyTree.queueChild = queueChild;
DOMLazyTree.queueHTML = queueHTML;
DOMLazyTree.queueText = queueText;
})
```

---

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require('../type/omap'),
  require('../type/pairs'),
  require('../type/set')
};


//////////////////
// webpack footer
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml/schema/default_safe.js
// module id = 110
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
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 */

'use strict';

var EventPluginHub = require('./EventPluginHub');
var EventPluginUtils = require('./EventPluginUtils');

var accumulateInto = require('./accumulateInto');
var forEachAccumulated = require('./forEachAccumulated');
var warning = require('fbjs/lib/warning');

var getListener = EventPluginHub.getListener;

/**
 * Some event types have a notion of different registration names for different phases of propagation. This finds listeners by a given phase.
 */
function findListenerAtPhase(inst, phase, event) {
  var registrationName = event.dispatchConfig.phasedRegistrationNames[phase];
  return getListener(inst, registrationName);
}

/**
 * Tags a `SyntheticEvent` with dispatched listeners. Creating this function here, allows us not to have to bind or create functions for each event. Mutating the event's members allows us to not have to create a wrapping `dispatch` object that pairs the event with the listener. */
function accumulateDirectionalDispatches(inst, phase, event) {
  if (process.env.NODE_ENV !== 'production') {
    process.env.NODE_ENV !== 'production' ? warning(inst, 'Dispatching inst must not be null') : void 0;
  }
  var listener = findListenerAtPhase(inst, phase, event);
  if (listener) {
    event._dispatchListeners = accumulateInto(event._dispatchListeners, listener);
    event._dispatchInstances = accumulateInto(event._dispatchInstances, inst);
  }
}

/**
 * Accumulates dispatches on an `SyntheticEvent`, but only for the `dispatchMarker`. @param {SyntheticEvent} event
 */
function accumulateDirectDispatchesSingle(event) {
  if (event && event.dispatchConfig.registrationName) {
    accumulateDispatches(event._targetInst, null, event);
  }
}

function accumulateTwoPhaseDispatches(events) {
  forEachAccumulated(events, accumulateTwoPhaseDispatchesSingle);
}

function accumulateTwoPhaseDispatchesSkipTarget(events) {
  forEachAccumulated(events, accumulateTwoPhaseDispatchesSingleSkipTarget);
}

function accumulateEnterLeaveDispatches(leave, enter, from, to) {
  EventPluginUtils.traverseEnterLeave(from, to, accumulateDispatches, leave, enter);
}

function accumulateDispatches(inst, ignoredDirection, event) {
  if (event && event.dispatchConfig.registrationName) {
    var registrationName = event.dispatchConfig.registrationName;
    var listener = getListener(inst, registrationName);
    if (listener) {
      event._dispatchListeners = accumulateInto(event._dispatchListeners, listener);
      event._dispatchInstances = accumulateInto(event._dispatchInstances, inst);
    }
  }
}

/**
 * Accumulates without regard to direction, does not look for phased registration names. Same as `accumulateDirectDispatchesSingle` but without `dispatchMarker` be the same as the dispatched ID.
 */
function accumulateDispatches(events) {
  forEachAccumulated(events, accumulateDispatches);
}

function accumulatorDispatches(events) {
  forEachAccumulated(events, accumulateDispatches);
}

/**
 * A small set of propagation patterns, each of which will accept a small amount of information, and generate a set of dispatch ready event objects - which are sets of events that have already been annotated with a set of dispatched listener functions/ids. The API is designed this way to discourage these propagation strategies from actually executing the dispatches, since we always want to...
collect the entire set of dispatches before executing event a

```javascript
/*
 * @constructor EventPropagators
 */
var EventPropagators = {
  accumulateTwoPhaseDispatches: accumulateTwoPhaseDispatches,
  accumulateTwoPhaseDispatchesSkipTarget: accumulateTwoPhaseDispatchesSkipTarget,
  accumulateDirectDispatches: accumulateDirectDispatches,
  accumulateEnterLeaveDispatches: accumulateEnterLeaveDispatches,
};

module.exports = EventPropagators;


//////////////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/EventPropagators.js
// module id = 111
// module chunks = 0

/* Copyright (c) 2013-present, Facebook, Inc.
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

var EventPluginRegistry = require('./EventPluginRegistry');
var EventPluginUtils = require('./EventPluginUtils');
var ReactErrorUtils = require('./ReactErrorUtils');

var accumulateInto = require('./accumulateInto');
var forEachAccumulated = require('./forEachAccumulated');
var invariant = require('fbjs/lib/invariant');

/**
 * Internal store for event listeners
 */
var listenerBank = {};

/**
 * Internal queue of events that have accumulated their dispatches and are waiting to have their dispatches executed.
 */
var eventQueue = null;

/**
 * Dispatches an event and releases it back into the pool, unless persistent.
 */
var executeDispatchesAndRelease = function (event, simulated) {
  if (event) {
    EventPluginUtils.executeDispatchesInOrder(event, simulated);

    if (!event.isPersistent()) {
      event.constructor.release(event);
    }
  }
};

function getDictionaryKey (inst) {
  return '.' + inst._rootNodeID;
}

function isInteractive (tag) {
  return tag === 'button' || tag === 'input' || tag === 'select' || tag === 'textarea';
}

function shouldPreventMouseEvent (name, type, props) {
  switch (name) {
    case 'onClick':
    case 'onClickCapture':
    case 'onDoubleClick':
    case 'onDoubleClickCapture':
    case 'onMouseDown':
    case 'onMouseDownCapture':
    case 'onMouseMove':
    case 'onMouseMoveCapture':
    case 'onMouseUp':
    case 'onMouseUpCapture':
      return !!(props.disabled && isInteractive(type));
    default:
      return false;
  }
}

/**
 * This is a unified interface for event plugins to be installed and configured.
 *
 * Event plugins can implement the following properties:
 *
 *   `extractEvents` {function(string, DOMEventTarget, string, object)}
 *     Required. When a top-level event is fired, this method is expected to
 *     extract synthetic events that will in turn be queued and dispatched.
 *
 *   `eventTypes` {object}
 *     Optional, plugins that fire events must publish a mapping of registration
 *     names to objects that contain `registrationName` or `phasedRegistrationNames`.
 *
 *   `executeDispatch`
 *     Optional, allows plugins to override how an event gets dispatched. By default,
 *     the listener is simply invoked.
 *
 */
var EventPluginHub = {
  injection: {
    injectEventPluginOrder: EventPluginRegistry.injectEventPluginOrder,
    injectEventPluginsByName: EventPluginRegistry.injectEventPluginsByName
  },

  putListener: function (inst, registrationName, listener) {
    invariant(typeof listener === 'function', 'Expected %s listener to be a function, instead got type %s', registrationName, typeof listener);

    var key = getDictionaryKey(inst);
    var bankForRegistrationName = listenerBank[registrationName] || (listenerBank[registrationName] = {});
    bankForRegistrationName[key] = listener;

    // is idempotent.
    var * @param [object] inst The instance, which is the source of events.
    * @param [string] registrationName Name of listener (e.g. 'onClick').
    * @param [function] listener The callback to store.
    * @param [object] eventPluginOrder: EventPluginRegistry.injectEventPluginOrder.
    */
    var * @param [object] injectedNamesToPlugins Map from names to plugin modules.
    * @param [object] injectedEventPluginsByName: EventPluginRegistry.injectEventPluginsByName.
    */
    * @param [object] bankForRegistrationName = listenerBank[registrationName][key] || (listenerBank[registrationName][key] = {});
    * @param [object] bankForRegistrationName = listenerBank[registrationName][key] = listener;
    */
  });

  executeDispatchesAndReleaseSimulated = function (e) {
    return executeDispatchesAndRelease(e, true);
  };
(PluginModule && PluginModule.didPutListener) {\n
PluginModule.didPutListener(inst, registrationName,
listener);\n }\n },\n\n /**\n * @param {object} inst The instance, which is the source of events.\n * @param
{string} registrationName Name of listener (e.g. `onClick`).\n * @return {?function} The stored callback.\n */\n
getListener: function (inst, registrationName) {\n // TODO: shouldPreventMouseEvent is DOM-specific and
definitely should not\n // live here; needs to be moved to a better place soon\n var bankForRegistrationName =
listenerBank[registrationName];\n if (shouldPreventMouseEvent(registrationName, inst._currentElement.type,
inst._currentElement.props)) {\n
return null;\n }\n var key = getDictionaryKey(inst);\n return
bankForRegistrationName && bankForRegistrationName[key];\n },\n\n /**\n * Deletes a listener from the
registration bank.\n *\n * @param {object} inst The instance, which is the source of events.\n * @param
{string} registrationName Name of listener (e.g. `onClick`).\n */\n deleteListener: function (inst,
registrationName) {\n var PluginModule = EventPluginRegistry.registrationNameModules[registrationName];\n
if (PluginModule && PluginModule.willDeleteListener) {\n
PluginModule.willDeleteListener(inst,
registrationName);\n }\n\n var bankForRegistrationName = listenerBank[registrationName];\n // TODO: This
should never be null -- when is it?\n if (bankForRegistrationName) {\n
var key = getDictionaryKey(inst);\n
delete bankForRegistrationName[key];\n }\n },\n\n /**\n * Deletes all listeners for the DOM element with the
supplied ID.\n *\n * @param {object} inst The instance, which is the source of events.\n */\n
deleteAllListeners: function (inst) {\n var key = getDictionaryKey(inst);\n for (var registrationName in
listenerBank) {\n
if (!listenerBank.hasOwnProperty(registrationName)) {\n
continue;\n
}\n\n
if
(!listenerBank[registrationName][key]) {\n
continue;\n
}\n\n
var PluginModule =
EventPluginRegistry.registrationNameModules[registrationName];\n
if (PluginModule &&
PluginModule.willDeleteListener) {\n
PluginModule.willDeleteListener(inst, registrationName);\n
}\n\n
delete listenerBank[registrationName][key];\n }\n },\n\n /**\n * Allows registered plugins an opportunity to
extract events from top-level\n * native browser events.\n *\n * @return {*} An accumulation of synthetic
events.\n * @internal\n */\n extractEvents: function (topLevelType, targetInst, nativeEvent, nativeEventTarget)
{\n var events;\n var plugins = EventPluginRegistry.plugins;\n for (var i = 0; i < plugins.length; i++) {\n
//
Not every plugin in the ordering may be loaded at runtime.\n
var possiblePlugin = plugins[i];\n
if
(possiblePlugin) {\n
var extractedEvents = possiblePlugin.extractEvents(topLevelType, targetInst, nativeEvent,
nativeEventTarget);\n
if (extractedEvents) {\n
events = accumulateInto(events, extractedEvents);\n
}\n
}\n }\n return events;\n },\n\n /**\n * Enqueues a synthetic event that should be dispatched when\n *
`processEventQueue` is invoked.\n *\n * @param {*} events An accumulation of synthetic events.\n *
@internal\n */\n enqueueEvents: function (events) {\n if (events) {\n
eventQueue =
accumulateInto(eventQueue, events);\n }\n },\n\n /**\n * Dispatches all synthetic events on the event queue.\n
*\n * @internal\n */\n processEventQueue: function (simulated) {\n // Set `eventQueue` to null before
processing it so that we can tell if more\n // events get enqueued while processing.\n var processingEventQueue
= eventQueue;\n eventQueue = null;\n if (simulated) {\n
forEachAccumulated(processingEventQueue,
executeDispatchesAndReleaseSimulated);\n } else {\n
forEachAccumulated(processingEventQueue,
executeDispatchesAndReleaseTopLevel);\n }\n !!eventQueue ? process.env.NODE_ENV !== 'production' ?
invariant(false, 'processEventQueue(): Additional events were enqueued while processing an event queue. Support
for this has not yet been implemented.') : _prodInvariant('95') : void 0;\n // This would be a good time to rethrow if
any of the event handlers threw.\n ReactErrorUtils.rethrowCaughtError();\n },\n\n /**\n * These are needed for
tests only. Do not use!\n */\n __purge: function () {\n listenerBank = {};\n },\n\n __getListenerBank: function
() {\n return listenerBank;\n }\n};\n\nmodule.exports = EventPluginHub;\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/react-dom/lib/EventPluginHub.js\n// module id = 112\n// module chunks = 0","/**\n *
Copyright (c) 2013-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n
* LICENSE file in the root directory of this source tree.\n *\n */\n\n'use strict';\n\nvar SyntheticEvent =
require('./SyntheticEvent');\n\nvar getEventTarget = require('./getEventTarget');\n\n/**\n * @interface UIEvent\n *
@see http://www.w3.org/TR/DOM-Level-3-Events/\n */\nvar UIEventInterface = {\n view: function (event) {\n
if (event.view) {\n
return event.view;\n }\n\n var target = getEventTarget(event);\n if (target.window ===

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"__proto__" for Object.
```javascript
var integer = require('./_to-integer');
var ceil = Math.ceil;
var floor = Math.floor;
module.exports = function (it) {
  return ceil(it) 
    ? Math.min(0x1fffffffffffff, it) 
    : floor(it);
};
```

ToLength
```javascript
module.exports = function (it) {
  if (it > 0)
    return floor(it);
  if (it < 0)
    return ceil(it);
  if (isSymbol(it))
    return Symbol.valueOf(it);
  if (isUndefined(it) 
      || it === null 
      || it === false)
    return 0;
  if (typeof it === 'string')
    return it.length;
  if (isRegExp(it))
    return it.length;
  if (isObject(it))
    return Object.getPrototypeOf(it)
      ? Object.getPrototypeOf(it).length 
      : lengthOfArrayLike(it);
  if (isMap(it) || isSet(it))
    return it.size;
  if (isArguments(it))
    return arguments.length;
  if (isString(it))
    return it.length;
  if (isNumber(it))
    return it;
  if (isBoolean(it))
    return it;
  return it.length;
};
```

\
result = baseGetTag(value),
    Ctor = result == objectTag ? value.constructor : undefined,
    ctorString = Ctor ? toSource(Ctor) : '';

    if (ctorString) {
      switch (ctorString) {
        case dataViewCtorString: return dataViewTag;
        case mapCtorString: return mapTag;
        case promiseCtorString: return promiseTag;
        case setCtorString: return setTag;
        case weakMapCtorString: return weakMapTag;
      }
    }
    return result;
  }
}

module.exports = getTag;


//////////////////
// WEBPACK FOOTER
// module id = 141
// module chunks = 0

var castPath = require('./_castPath'),
    toKey = require('./_toKey');

/**
 * The base implementation of `_.get` without support for default values.
 *
 * @private
 * @param {Object} object The object to query.
 * @param {Array|string} path The path of the property to get.
 * @returns {*} Returns the resolved value.
 */
function baseGet(object, path) {
  path = castPath(path, object);

  var index = 0,
      length = path.length;

  while (object != null && index < length) {
    object = object[toKey(path[index++])];
  }
  return (index && index == length) ? object : undefined;
}

module.exports = baseGet;


//////////////////
// WEBPACK FOOTER
// module id = 142
// module chunks = 0

function nextTick(fn, arg1, arg2, arg3) {
  if (typeof fn !== 'function') {
    throw new TypeError('"callback" argument must be a function');
  }
  var len = arguments.length;
  switch (len) {
  case 0:
    return process.nextTick(fn);
  case 2:
    return process.nextTick(function afterTickOne() {
      fn.call(null, arg1);
    });
  case 3:
    return process.nextTick(function afterTickTwo() {
      fn.call(null, arg1, arg2);
    });
  default:
    var args = new Array(len - 1);
    i = 0;
    while (i < args.length) {
      args[i++] = arguments[i];
    }
    return process.nextTick(function afterTickThree() {
      fn.call(null, arg1, arg2, arg3);
    });
  }
}


//////////////////
// WEBPACK FOOTER
// module id = 143
// module chunks = 0

"use strict";

module.exports = { nextTick: nextTick };

var buffer = require('buffer');
var Buffer = buffer.Buffer;

// alternative to using Object.keys for old browsers
function copyProps (src, dst) {
  for (var key in src) {
    dst[key] = src[key]
  }
}

if (Buffer.from && Buffer.alloc && Buffer.allocUnsafe && Buffer.allocUnsafeSlow) {
  module.exports = buffer;
} else {
  // Copy static methods from Buffer
copyProps(buffer, exports);
}

SafeBuffer.from = function (arg, encodingOrOffset, length) {
  if (typeof arg === 'number') {
    throw new TypeError('Argument must not be a number')
  }
  return Buffer(arg, encodingOrOffset, length)
}

SafeBuffer.alloc = function (size, fill, encoding) {
  if (typeof size !== 'number') {
    throw newTypeError('Argument must be a number')
  }
  var buf = Buffer(size)
  if (fill !== undefined) {
    if (typeof fill === 'string') {
      buf.fill(fill, encoding)
    } else {
      buf.fill(fill)
    }
  } else {
    buf.fill(0)
  }
  return buf;
}

SafeBuffer.allocUnsafe = function (size) {
  if (typeof size !== 'number') {
    throw new TypeError('Argument must be a number')
  }
  return Buffer.allocUnsafe(size)
}

SafeBuffer.allocUnsafeSlow = function (size) {
  if (typeof size !== 'number') {
    throw new TypeError('Argument must be a number')
  }
  return Buffer.allocUnsafeSlow(size)
}


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Set(spec.get("produces"))

export const security = createSelector(
    spec,
    spec => spec.get("security")
)

export const securityDefinitions = createSelector(
    spec,
    spec => spec.get("securityDefinitions")
)

export const findDefinition = ( state, name ) => {
  const resolvedRes = state.getIn(["resolvedSubtrees", "\"definitions\", name], null)
  const unresolvedRes = state.getIn(["json", "\"definitions\", name], null)
  return resolvedRes || unresolvedRes || null
}

export const operationsWithRootInherited = createSelector(
    spec,
    spec => spec.get("operations")
)

export const tags = createSelector(
  spec,
  json => {
    const tags = json.get("tags", List())
    return List.isList(tags) ? tags.filter(tag => Map.isMap(tag)) : List()
  }
)

export const taggedOperations = (state) => ({ getConfigs }) => {
  let { tagsSorter, operationsSorter } = getConfigs()
  return operationsWithTags(state)
    .sortBy(
      (val, key) => key, // get the name of the tag to be passed to the sorter
      (tagA, tagB) => {
        let sortFn = (typeof tagsSorter === "function" ? tagsSorter : sorters.tagsSorter[tagsSorter])
        return (!sortFn ? null : sortFn(tagA, tagB))
      }
    )
    .map((ops, tag) => {
      let sortFn = (typeof operationsSorter === "function" ? operationsSorter : sorters.operationsSorter[operationsSorter])
      let operations = (!sortFn ? ops : ops.sort(sortFn))

      return Map({ tagDetails: tagDetails(state, tag), operations: operations })
    })
}

export const responses = createSelector(
  state,
  state => state.get("responses", Map())
)

export const requests = createSelector(
  state,
  state => state.get("requests", Map())
)

export const mutatedRequests = createSelector(
  state,
  state => state.get("mutatedRequests", Map())
)

export const responseFor = (state, path, method) => {
  return responses(state).getIn([path, method], null)
}

export const requestFor = (state, path, method) => {
  return requests(state).getIn([path, method], null)
}

export const mutatedRequestFor = (state, path, method) => {
  return mutatedRequests(state).getIn([path, method], null)
}

export const allowTryItOutFor = () => {
  // This is just a hook for now.
  return true
}

export const parameterWithMetaByIdentity = (state, pathMethod, paramName, paramIn) => {
  const opParams = specJsonWithResolvedSubtrees(state).getIn(["paths", ...pathMethod, "parameters"], OrderedMap())
  const currentParam = opParams.find(param => param.get("in")

  return Map({
    inNameKeyedMeta: metaParams.get("\$param.get("\"in\"\")"),
    hashKeyedMeta: metaParams.get("\$param.get("\"name\"\")\").hash-$param.hashCode()
  })
}

export const parameterInclusionSettingFor = (state, pathMethod, paramName, paramIn) => {
  const paramKey = `${paramIn}.${paramName}`
  return state.getIn(["meta", "paths", ...pathMethod, "parameter_inclusions", paramKey], false)
}

export const parameterWithMeta = (state, pathMethod, paramName, paramIn) => {
  const opParams = specJsonWithResolvedSubtrees(state).getIn(["paths", ...pathMethod, "parameters"], OrderedMap())
  const currentParam = opParams.map((currentParam) => {
    const paramKey = $paramName.$param
    const param = state.getIn(["paths", ...pathMethod, "parameters"], paramKey)
    return param
  }).find(curr => curr.get("in")

  return Map({
    inNameKeyedMeta: metaParams.get("\$param.get("\"in\"\")"),
    hashKeyedMeta: metaParams.get("\$param.get("\"name\"\")\").hash-$param.hashCode()
  })
}
=== paramIn && param.get("name") === paramName, OrderedMap())

return parameterWithMetaByIdentity(state, pathMethod, currentParam)

export const operationWithMeta = (state, pathMethod, name, inType) => {
  \n  let params = state.getIn(["meta", "\paths", ...pathMethod, "parameters"], fromJS({}))

  let paramValues = operationWithMeta(state, pathMethod, name, inType)

  return paramValues
}

export const operationScheme = (state, pathMethod) => {
  let url = state.get("url")

  let matchResult = url.match(/^[\[a-z][a-z0-9+\-.-]*]/)

  let protocol = matchResult[1]

  return protocol
}

// Get the consumes/produces value that the user selected
export function contentTypeValues(state, pathMethod) {
  let op = specJsonWithResolvedSubtrees(state).getIn(["paths", ...pathMethod], null)

  if(op === null) {
    return undefined
  }

  let currentProducesValue = state.getIn(["meta", "paths", ...pathMethod, "produces_value"], null)

  let firstProducesArrayItem = op.getIn(["produces", 0], null)

  return currentProducesValue || firstProducesArrayItem || "application/json"

}

// Get the consumes/produces value that the user selected
export function consumesOptionsFor(state, pathMethod) {
  let spec = specJsonWithResolvedSubtrees(state)

  let operation = spec.getIn(["paths", ...pathMethod], null)

  if(operation === null) {
    return undefined
  }

  let consumes = operation.get("consumes", null)

  let firstProducesArrayItem = operation.getIn(["produces", 0], null)

  return consumes || firstProducesArrayItem

}

// Get the consumes/produces value that the user selected
export function producesOptionsFor(state, pathMethod) {
  let spec = specJsonWithResolvedSubtrees(state)

  let operation = spec.getIn(["paths", ...pathMethod], null)

  if(operation === null) {
    return undefined
  }

  let produces = operation.get("produces", null)

  let firstProducesArrayItem = operation.getIn(["produces", 0], null)

  return produces || firstProducesArrayItem

}
urlScheme = Array.isArray(matchResult) ? matchResult[1] : null

return state.getIn(['scheme', path, method]) || state.getIn(['defaultScheme', '']).

/**
 * `canExecuteScheme` checks if the provided operation is valid by checking
 * if the scheme is in the supported schemes list.
 *
 * @param {Object} state The state object.
 * @param {Array} path Method.
 * @return {boolean} If the scheme is valid.
 */

export const canExecuteScheme = (state, path, method) => {
  return ['http', 'https'].indexOf(operationScheme(state, path, method)) > -1
}

/**
 * `validateBeforeExecute` validates the parameters of the provided path.
 *
 * @param {Object} state The state object.
 * @param {Array} path Method.
 * @return {boolean} If the validation is successful.
 */

export const validateBeforeExecute = (state, pathMethod) => {
  pathMethod = pathMethod || []
  let paramValues = state.getIn(['meta', 'paths', ...pathMethod, 'parameters'], fromJS([]))

  paramValues.forEach((p) => {
    let errors = p.get('errors')
    if (errors && errors.count()) {
      isValid = false
    }
  })

  return isValid
}

function returnSelfOrNewMap(obj) {
  // returns obj if obj is an Immutable map, else returns a new Map.

  return state.getIn(['scheme', path, method]) || state.getIn(['scheme', '_defaultScheme']) || urlScheme || ''
}

export const operationScheme = (state, path, method) => {
  return state.getIn(['meta', 'paths', ...pathMethod, 'method'], method) || state.getIn(['meta', 'paths', '_defaultMethod'], method) || state.getIn(['meta', 'paths', 'http'], method) || state.getIn(['meta', 'paths', 'https'], method) || null
}

export const operationParamValues = (state, path, method) => {
  return paramValues || state.getIn(['scheme', path, method, 'parameters'], fromJS([]))
}

export const operationParamCount = (state, path, method) => {
  return paramValues.count() || state.getIn(['scheme', path, method, 'parameters'], fromJS([])).count()
}

/**
 * `returnSelfOrNewMap` returns obj if obj is an Immutable map, else returns a new Map.
 *
 * @param {Object} obj The object to check.
 * @return {Object} The object.
 */

function returnSelfOrNewMap(obj) {
  // returns obj if obj is an Immutable map, else returns a new Map.

  return state.getIn(['scheme', path, method]) || state.getIn(['scheme', '_defaultScheme']) || urlScheme || ''
}

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  return state.getIn(['meta', 'paths', ...pathMethod, 'method'], method) || state.getIn(['meta', 'paths', '_defaultMethod'], method) || state.getIn(['meta', 'paths', 'http'], method) || state.getIn(['meta', 'paths', 'https'], method) || null
}

export const operationParamValues = (state, path, method) => {
  return paramValues || state.getIn(['scheme', path, method, 'parameters'], fromJS([]))
}

export const operationParamCount = (state, path, method) => {
  return paramValues.count() || state.getIn(['scheme', path, method, 'parameters'], fromJS([])).count()
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  return state.getIn(['scheme', path, method]) || state.getIn(['scheme', '_defaultScheme']) || urlScheme || ''
}

export const operationScheme = (state, path, method) => {
  return state.getIn(['meta', 'paths', ...pathMethod, 'method'], method) || state.getIn(['meta', 'paths', '_defaultMethod'], method) || state.getIn(['meta', 'paths', 'http'], method) || state.getIn(['meta', 'paths', 'https'], method) || null
}

export const operationParamValues = (state, path, method) => {
  return paramValues || state.getIn(['scheme', path, method, 'parameters'], fromJS([]))
}

export const operationParamCount = (state, path, method) => {
  return paramValues.count() || state.getIn(['scheme', path, method, 'parameters'], fromJS([])).count()
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 *
 * @param {Object} obj The object to check.
 * @return {Object} The object.
 */

function returnSelfOrNewMap(obj) {
  // returns obj if obj is an Immutable map, else returns a new Map.

  return state.getIn(['scheme', path, method]) || state.getIn(['scheme', '_defaultScheme']) || urlScheme || ''
}

export const operationScheme = (state, path, method) => {
  return state.getIn(['meta', 'paths', ...pathMethod, 'method'], method) || state.getIn(['meta', 'paths', '_defaultMethod'], method) || state.getIn(['meta', 'paths', 'http'], method) || state.getIn(['meta', 'paths', 'https'], method) || null
}

export const operationParamValues = (state, path, method) => {
  return paramValues || state.getIn(['scheme', path, method, 'parameters'], fromJS([]))
}

export const operationParamCount = (state, path, method) => {
  return paramValues.count() || state.getIn(['scheme', path, method, 'parameters'], fromJS([])).count()
}

/**
 * `returnSelfOrNewMap` returns obj if obj is an Immutable map, else returns a new Map.
 *
 * @param {Object} obj The object to check.
 * @return {Object} The object.
 */

function returnSelfOrNewMap(obj) {
  // returns obj if obj is an Immutable map, else returns a new Map.

  return state.getIn(['scheme', path, method]) || state.getIn(['scheme', '_defaultScheme']) || urlScheme || ''
}

export const operationScheme = (state, path, method) => {
  return state.getIn(['meta', 'paths', ...pathMethod, 'method'], method) || state.getIn(['meta', 'paths', '_defaultMethod'], method) || state.getIn(['meta', 'paths', 'http'], method) || state.getIn(['meta', 'paths', 'https'], method) || null
}

export const operationParamValues = (state, path, method) => {
  return paramValues || state.getIn(['scheme', path, method, 'parameters'], fromJS([]))
}

export const operationParamCount = (state, path, method) => {
  return paramValues.count() || state.getIn(['scheme', path, method, 'parameters'], fromJS([])).count()
}
wrapper\n *
| +---+ +---+ +---------+ +---+ +---+ | invariants\n * perform(anyMethod) | | | | | |
|
| | | | | maintained\n * +----------------->|-|---|-|---|-->|anyMethod|---|---|-|---|-|-------->\n *
|| || | |
| | | | | |\n *
|| || | |
| | | | | |\n *
|| || | |
| | | | | |\n *
| +---+
+---+ +---------+ +---+ +---+ |\n *
| initialize
close |\n *
+----------------------------------------+\n * </pre>\n *\n * Use cases:\n * - Preserving the input selection ranges before/after
reconciliation.\n * Restoring selection even in the event of an unexpected error.\n * - Deactivating events while
rearranging the DOM, preventing blurs/focuses,\n * while guaranteeing that afterwards, the event system is
reactivated.\n * - Flushing a queue of collected DOM mutations to the main UI thread after a\n * reconciliation
takes place in a worker thread.\n * - Invoking any collected `componentDidUpdate` callbacks after rendering new\n
* content.\n * - (Future use case): Wrapping particular flushes of the `ReactWorker` queue\n * to preserve the
`scrollTop` (an automatic scroll aware DOM).\n * - (Future use case): Layout calculations before and after DOM
updates.\n *\n * Transactional plugin API:\n * - A module that has an `initialize` method that returns any
precomputation.\n * - and a `close` method that accepts the precomputation. `close` is invoked\n * when the
wrapped process is completed, or has failed.\n *\n * @param {Array<TransactionalWrapper>} transactionWrapper
Wrapper modules\n * that implement `initialize` and `close`.\n * @return {Transaction} Single transaction for reuse
in thread.\n *\n * @class Transaction\n */\nvar TransactionImpl = {\n /**\n * Sets up this instance so that it is
prepared for collecting metrics. Does\n * so such that this setup method may be used on an instance that is
already\n * initialized, in a way that does not consume additional memory upon reuse.\n * That can be useful if
you decide to make your subclass of this mixin a\n * \"PooledClass\".\n */\n reinitializeTransaction: function ()
{\n this.transactionWrappers = this.getTransactionWrappers();\n if (this.wrapperInitData) {\n
this.wrapperInitData.length = 0;\n } else {\n
this.wrapperInitData = [];\n }\n this._isInTransaction = false;\n
},\n\n _isInTransaction: false,\n\n /**\n * @abstract\n * @return {Array<TransactionWrapper>} Array of
transaction wrappers.\n */\n getTransactionWrappers: null,\n\n isInTransaction: function () {\n return
!!this._isInTransaction;\n },\n\n /* eslint-disable space-before-function-paren */\n\n /**\n * Executes the function
within a safety window. Use this for the top level\n * methods that result in large amounts of
computation/mutations that would\n * need to be safety checked. The optional arguments helps prevent the need\n
* to bind in many cases.\n *\n * @param {function} method Member of scope to call.\n * @param {Object}
scope Scope to invoke from.\n * @param {Object?=} a Argument to pass to the method.\n * @param {Object?=}
b Argument to pass to the method.\n * @param {Object?=} c Argument to pass to the method.\n * @param
{Object?=} d Argument to pass to the method.\n * @param {Object?=} e Argument to pass to the method.\n *
@param {Object?=} f Argument to pass to the method.\n *\n * @return {*} Return value from `method`.\n */\n
perform: function (method, scope, a, b, c, d, e, f) {\n /* eslint-enable space-before-function-paren */\n
!!this.isInTransaction() ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Transaction.perform(...):
Cannot initialize a transaction when there is already an outstanding transaction.') : _prodInvariant('27') : void 0;\n
var errorThrown;\n var ret;\n try {\n
this._isInTransaction = true;\n
// Catching errors makes debugging
more difficult, so we start with\n
// errorThrown set to true before setting it to false after calling\n
// close -- if
it's still set to true in the finally block, it means\n
// one of these calls threw.\n
errorThrown = true;\n
this.initializeAll(0);\n
ret = method.call(scope, a, b, c, d, e, f);\n
errorThrown = false;\n } finally {\n
try
{\n
if (errorThrown) {\n
// If `method` throws, prefer to show that stack trace over any thrown\n
// by
invoking `closeAll`.\n
try {\n
this.closeAll(0);\n
} catch (err) {}\n
} else {\n
// Since
`method` didn't throw, we don't want to silence the exception\n
// here.\n
this.closeAll(0);\n
}\n
}
finally {\n
this._isInTransaction = false;\n
}\n }\n return ret;\n },\n\n initializeAll: function (startIndex)
{\n var transactionWrappers = this.transactionWrappers;\n for (var i = startIndex; i <
transactionWrappers.length; i++) {\n
var wrapper = transactionWrappers[i];\n
try {\n
// Catching errors
makes debugging more difficult, so we start with the\n
// OBSERVED_ERROR state before overwriting it with
the real return value\n
// of initialize -- if it's still set to OBSERVED_ERROR in the finally\n
// block, it
means wrapper.initialize threw.\n
this.wrapperInitData[i] = OBSERVED_ERROR;\n
this.wrapperInitData[i] = wrapper.initialize ? wrapper.initialize.call(this) : null;\n
} finally {\n
if

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(this.wrapperInitData[i] === OBSERVED_ERROR) { return; } // The initializer for wrapper i threw an error; initialize the
remaining wrappers but silence any exceptions from them to ensure // that the first error is the one to bubble up.
try { this.initializeAll(i + 1); } catch (err) {
  if (err.name !== **null * Invokes each of `this.transactionWrappers.close[i]` functions, passing into * them the respective return values of `this.transactionWrappers.init[i]` * (close rs that correspond to initializers that failed will not be * invoked),
   } * closeAll: function (startIndex) {
    if (initData !== OBSERVED_ERROR & & wrapper.close) {
      // wrapper.close calls this, initData;
      return false; // The closer for wrapper i threw an error; close the remaining
   // wrappers but silence any exceptions from them to ensure that the
          // first error is the one to bubble up.
  }
try { this.closeAll(i + 1); } catch (err) {
    if (err.name !== **null * try { this.initializeAll(startIndex); } catch (err) {}
   } * closeAll: function (startIndex) {
  } *

  **
  * Invokes each of `this.transactionWrappers.close[i]` functions, passing into * them the respective return values of `this.transactionWrappers.init[i]` * (close rs that correspond to initializers that failed will not be * invoked),
   } * closeAll: function (startIndex) {
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  } *

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  } *

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   } * closeAll: function (startIndex) {
  } *

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   } * closeAll: function (startIndex) {
  } *

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   } * closeAll: function (startIndex) {
  } *

  **
  * Invokes each of `this.transactionWrappers.close[i]` functions, passing into * them the respective return values of `this.transactionWrappers.init[i]` * (close rs that correspond to initializers that failed will not be * invoked),
   } * closeAll: function (startIndex) {
  } *
for SVG nodes, so instead we inject the new markup in a temp node and then move the child nodes across into the target node if (node.namespaceURI !== DOMNamespaces.svg & node.innerHTML !== innerHTML of node) { reusableSVGContainer = reusableSVGContainer || document.createElement('div'); reusableSVGContainer.innerHTML = '<svg>' + html + '</svg>'; var svgNode = reusableSVGContainer.firstChild; while (svgNode.firstChild) { node.appendChild(svgNode.firstChild); } } else if (node.innerHTML === html) { if (ExecutionEnvironment.canUseDOM) { // IE8: When updating a just created node with innerHTML only leading whitespace is removed. When updating an existing node with innerHTML whitespace in root TextNodes is also collapsed // @see quirksmode.org/bugreports/archives/2004/11/innerhtml_and_t.html

// Feature detection; only IE8 is known to behave improperly like this.

if (testElement = document.createElement('div'); testElement.innerHTML = ''; if (testElement.innerHTML === '') { setInnerHTML = function (node, html) {
  // Magic theory: IE8 supposedly differentiates between added and updated nodes when processing innerHTML. innerHTML on updated nodes suffers // from worse whitespace behavior. Re-adding a node like this triggers // the initial and more favorable whitespace behavior. // TODO: What to do on a detached node if (node.parentNode) { node.parentNode.replaceChild(node, node); } // We also implement a workaround for non-visible tags disappearing into // thin air on IE8, this only happens if there is no visible text in // in-front of the non-visible tags. Piggyback on the whitespace fix // and simply check if any non-visible tags appear in the source.

  if (WHITESPACE_TEST.test(html) || html[0] === '<' && NONVISIBLE_TEST.test(html)) { // Recover leading whitespace by temporarily prepending any character. // // UglifyJS drops U+FFEFO chars when parsing, so use String.fromCharCode

  // in hopes that this is preserved even if "\uFFEFO" is transformed to // the actual Unicode character (by Babel, for example).

  testElement = null;

  module.exports = setInnerHTML;

};

} // WEBPACK FOOTER
// ./node_modules/react-dom/lib/setInnerHTML.js module id = 155 module chunks = 0
/**
 * Copyright (c) 2016-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 * Based on the escape-html library, which is used under the MIT License
 * below:
 *
 * Copyright (c) 2012-2013 TJ Holowaychuk
 * Copyright (c) 2015 Andreas Lubbe
 * Copyright (c) 2015 Tiancheng "Timothy" Gu
 *
 * Permission is hereby granted, free of charge, to any person obtaining
 * a copy of this software and associated documentation files (the
 * "Software"), to deal in the Software without restriction, including
 * without limitation the rights to use, copy, modify, merge, publish,
 * distribute, sublicense, and/or sell copies of the Software, and to
 * permit persons to whom the Software is furnished to do so,
 * subject to the following conditions:
 *
 * The above copyright notice and this permission notice shall be
 * included in all copies or substantial portions of the Software.
 *
 * THE SOFTWARE IS PROVIDED "AS IS",
 * WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO
 * THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
 * NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE
 * FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT,
 * TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
 * THE USE OR OTHER DEALINGS IN THE SOFTWARE.
 *
 */

'use strict';

// code copied and modified from escape-html
/**
 * Module variables.
 * @private
 */

var matchHtmlRegExp = /["'&<>/]/;

/**
 *
 * Escape special characters in the given string of html.
 *
 * @param  {string} string The string to escape for
 * @return {string}
 * @public
 */

function escapeHtml(string) {
  var str = '' + string;
  var match = matchHtmlRegExp.exec(str);

  if (!match) {
    return str;
  }

  var escape;
  var html = '';
  var index = 0;
  var lastIndex = 0;

  for (index = match.index; index < str.length; index++) {
    switch
```javascript

'Stop','Abort',
'StopPropagation',
'Show',
'beforeExecute',
'beforeBlur',
'beforeFocus',
'beforeInput',
'beforeSelect',
'beforePaste',
'beforeDrop',
'beforeCopy',
'beforeCut',
'beforeDragStart',
'beforeDrag',
'beforeDragEnd',
'beforeDrop',
'beforeExit',
'beforeBlur',
'beforeFocus',
'beforeSelect',
'beforePaste',
'beforeDrop',
'beforeCopy',
'beforeCut',
'beforeDragStart',
'beforeDrag',
'beforeDragEnd',
'beforeDrop',
'beforeExit',
'beforeBlur',
'beforeFocus',
'beforeSelect',
'beforePaste',
'beforeDrop',
'beforeCopy',
'beforeCut',
'beforeDragStart',
'beforeDrag',
'beforeDragEnd',
'beforeDrop',
'beforeExit',
'beforeBlur',
'beforeFocus',
'beforeSelect',
'beforePaste',
'beforeDrop',
'beforeCopy',
'beforeCut',
'beforeDragStart',
'beforeDrag',
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'beforeExit',
'beforeBlur',
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'beforeSelect',
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'before Copy',
'}
```
'durationchange',
  topEmpty: 'emptied',
  topEncrypted: 'encrypted',
  topEnd: 'ended',
  topError: 'error',
  topFocus: 'focus',
  topInput: 'input',
  topKeyDown: 'keydown',
  topKeyPress: 'keypress',
  topKeyUp: 'keyup',
  topLoadedData: 'loadeddata',
  topLoadedMetadata: 'loadedmetadata',
  topLoadStart: 'loadstart',
  topMouseDown: 'mousedown',
  topMouseMove: 'mousemove',
  topMouseOut: 'mouseout',
  topMouseOver: 'mouseover',
  topMouseUp: 'mouseup',
  topPaste: 'paste',
  topPause: 'pause',
  topPlay: 'play',
  topPlaying: 'playing',
  topProgress: 'progress',
  topRateChange: 'ratechange',
  topScroll: 'scroll',
  topSeeked: 'seeked',
  topSeeking: 'seeking',
  topSelectionChange: 'selectionchange',
  topStalled: 'stalled',
  topSuspend: 'suspend',
  topTextInput: 'textInput',
  topTimeUpdate: 'timeupdate',
  topTouchCancel: 'touchcancel',
  topTouchEnd: 'touchend',
  topTouchMove: 'touchmove',
  topTouchStart: 'touchstart',
  topTransitionEnd:
    getVendorPrefixedEventName('transitionend') || 'transitionend',
  topVolumeChange: 'volumechange',
  topWaiting: 'waiting',
  topWheel: 'wheel';

/**
 * To ensure no conflicts with other potential React instances
 * on the page
 */
var topListenersIDKey = '_reactListenersID' + String(Math.random()).slice(2);

function getListeningForDocument(mountAt) {
  // In IE8, `mountAt` is a host object and does not have `hasOwnProperty`
  // directly, so if (!Object.prototype.hasOwnProperty.call(mountAt, topListenersIDKey)) {
  mountAt[topListenersIDKey] = reactTopListenersCounter++;

  alreadyListeningTo[mountAt[topListenersIDKey]] = {};
  return
} AlreadyListeningTo[mountAt[topListenersIDKey]] = {}; return
alreadyListeningTo[mountAt[topListenersIDKey]] = {}; return

/**
 * `ReactBrowserEventEmitter` is used to attach top-level event listeners. For
 * example:
 *
 *   EventPluginHub.putListener('myID', 'onClick', myFunction);
 *
 * This would allocate a "registration" of `(onClick, myFunction)` on 'myID'.
 *
 * @internal
 */
var ReactBrowserEventEmitter = _assign({}, ReactEventEmitterMixin, {
  /**
   * Injectable event backend
   */
  ReactEventListener: null,

  injection: {
    /**
     * @param {object} ReactEventListener
     */
    injectReactEventListener: function (ReactEventListener) {
      ReactEventListener.setHandleTopLevel(ReactBrowserEventEmitter.handleTopLevel);
      ReactBrowserEventEmitter.ReactEventListener = ReactEventListener;
    }
  },

  /**
   * Sets whether or not any created callbacks should be enabled.
   *
   * @param {boolean} enabled True if callbacks should be enabled.
   */
  setEnabled: function (enabled) {
    if (ReactBrowserEventEmitter.ReactEventListener) {
      ReactBrowserEventEmitter.ReactEventListener.setEnabled(enabled);
    }
  },

  /**
   * @return {boolean} True if callbacks are enabled.
   */
  isEnabled: function () {
    return !!ReactBrowserEventEmitter.ReactEventListener.
  },

  /**
   * We listen for bubbled touch events on the document object.
   * Firefox v8.01 (and possibly others) exhibited strange behavior when
   * mounting 'onmousemove' events at some node that was not the document
   * element. The symptoms were that if your mouse is not moving over something
   * contained within that mount point (for example on the background)
   * then top-level listeners for 'onmousemove' won't be called. However, if you
   * register the 'mousemove' on the document object, then it will of course
   * catch all 'mousemove'-s. This along with iOS quirks, justifies
   * restricting top-level listeners to the document object only, at least for these
   * movement types of events and possibly all events.
   */
  listenTo: function (registrationName, contentDocumentHandle) {
    var mountAt = contentDocumentHandle;
    var isListening = getListeningForDocument(mountAt);
    var dependencies = EventPluginRegistry.registrationNameDependencies[registrationName];
    for (var i = 0; i < dependencies.length; i++) {
      if (isListening.hasOwnProperty(dependency) &
        if (dependency !== 'topWheel') {
        if (isEventSupported('mousewheel'))
          ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topWheel', 'mousewheel', mountAt);
        } else if (isEventSupported('wheel'))
          ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topWheel', 'wheel', mountAt)
ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topWheel', 'mousewheel', mountAt); } else {
      // Firefox needs to capture a different mouse scroll event.
      // @see http://www.quirksmode.org/dom/events/tests/scroll.html
      ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topWheel', 'DOMMouseScroll', mountAt); } else if (dependency === 'topScroll') {
        if (isEventSupported('scroll', true)) {
          ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topScroll', 'scroll', mountAt);
          } else if (isEventSupported('focus', true)) {
            // IE has 'focusin' and 'focusout' events which bubble.
            // @see http://www.quirksmode.org/blog/archives/2008/04/delegating_the.html
            ReactBrowserEventEmitter.ReactEventListener.WINDOW_HANDLE);
          } else if (dependency === 'topFocus' || dependency === 'topBlur') {
            if (isEventSupported('focus', true)) {
              ReactBrowserEventEmitter.ReactEventListener.trapCapturedEvent('topFocus', 'focus', mountAt);
              ReactBrowserEventEmitter.ReactEventListener.trapCapturedEvent('topBlur', 'blur', mountAt);
            } else if (isEventSupported('focusin')) {
              // IE has 'focusin' and 'focusout' events which bubble.
              // @see http://www.quirksmode.org/blog/archives/2008/04/delegating_the.html
              ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topFocus', 'focusin', mountAt);
              ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent('topBlur', 'focusout', mountAt);
            }
            // to make sure blur and focus event listeners are only attached once
            isListening.topBlur = true;
            isListening.topFocus = true;
          } else if (topEventMapping.hasOwnProperty(dependency)) {
            ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent(dependency, topEventMapping[dependency], mountAt);
          }
          isListening[dependency] = true;
        }
      }
    }
  },

  trapBubbledEvent: function (topLevelType, handlerBaseName, handle) {
    return ReactBrowserEventEmitter.ReactEventListener.trapBubbledEvent(topLevelType, handlerBaseName, handle);
  },

  trapCapturedEvent: function (topLevelType, handlerBaseName, handle) {
    return ReactBrowserEventEmitter.ReactEventListener.trapCapturedEvent(topLevelType, handlerBaseName, handle);
  },

  /**
   * Protect against document.createEvent() returning null
   * Some popup blocker extensions appear to do this:
   * https://github.com/facebook/react/issues/6887
   * @return {Boolean} true if supportsEventPageXY()
   */
  supportsEventPageXY: function () {
    if (!document.createEvent) {
      return false;
    }
    var ev = document.createEvent('MouseEvent');
    return ev != null && 'pageX' in ev;
  },

  /**
   * Listens to window scroll and resize events. We cache scroll values so
   * that ViewportMetrics is only used by
   * @api private
   */
  ensureScrollValueMonitoring: function () {
    if (hasEventPageXY === undefined) {
      hasEventPageXY = ReactBrowserEventEmitter.supportsEventPageXY();
    }
    if (!hasEventPageXY && !isMonitoringScrollValue) {
      var refresh = ViewportMetrics.refreshScrollValues;
      ReactBrowserEventEmitter.ReactEventListener.scrollValueMonitoring(refresh);
      ReactBrowserEventEmitter.ReactEventListener.scrollValueMonitoring = true;
    }
  }
});

module.exports = ReactBrowserEventEmitter;


```javascript
0) {\n    found = true;\n    break;\n }\n
if (found) {\n  labelEnd = state.pos;\n  state.labelUnmatchedScopes = 0; \n} else {\n  state.labelUnmatchedScopes = level - 1;\n}

// restore old state\nstate.pos = oldPos;\nstate.isnLabel = oldFlag;\nreturn labelEnd;\n};


//////////////////
// WEBPACK FOOTER
// module id = 160
// module chunks = 0
```
promise-capability.js
// module id = 177
// module chunks = 0
// helper for String#{startsWith, endsWith, includes}
var isRegExp = require('./_is-regexp');
var defined = require('./_defined');

module.exports = function (that, searchString, NAME) {
  if (isRegExp(searchString)) throw TypeError('String#{' + NAME + '} doesn’t accept regex!');
  return String(defined(that));
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/modules/_string-context.js
// module id = 178
// module chunks = 0
var MATCH = require('./_wks')('match');
module.exports = function (KEY) {
  var re = /./;
  try {
    '/./'[MATCH](re);
  } catch (e) {
    try {
      re[MATCH] = false;
      return '!' /'[KEY'][re] / catch (f) { /* empty */ } / return true; /
    } / returnfalse;
  } / WEBPACK FOOTER
// ./node_modules/core-js/modules/_fails-is-regexp.js
// module id = 179
// module chunks = 0
"exports.f = require('./_wks');


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_wks-ext.js
// module id = 180
// module chunks = 0
var global = require('./_global');
var core = require('./_core');
var LIBRARY = require('./_library');
var wksExt = require('./_wks-ext');
var defineProperty = require('./_object-dp').f;
module.exports = function (name) {
  var $Symbol = core.Symbol || (core.Symbol = LIBRARY ? {} : global.Symbol || {});
  if (name.charAt(0) != '_' && !(name in $Symbol)) defineProperty($Symbol, name, { value: wksExt.f(name) });
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_wks-define.js
// module id = 181
// module chunks = 0
exports.f = Object.getOwnPropertySymbols;


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_object-gops.js
// module id = 182
// module chunks = 0
/*!
 * @description Recursive object extending
 * @author Viacheslav Lotsmanov <lotsmanov89@gmail.com>
 * @license MIT
 * Copyright (c) 2013-2018 Viacheslav Lotsmanov
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 * DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
 * OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
 * OTHER DEALINGS IN THE SOFTWARE.
 */

'use strict';

function isSpecificValue(val) {
  return (val instanceof Buffer
         || val instanceof Date
         || val instanceof RegExp)
      ? true : false;
}

function cloneSpecificValue(val) {
  if (val instanceof Buffer) {
    var x = Buffer.alloc
            ? Buffer.alloc(val.length)
            : new Buffer(val.length);
    val.copy(x);
    return x;
  } else if (val instanceof Date) {
    return new Date(val.getTime());
  } else if (val instanceof RegExp) {
    return new RegExp(val);
  } else {
    throw new Error('Unexpected situation');
  }
}

/**
 * Recursive cloning array.
 */
function deepCloneArray(arr) {
  var clone = [];
  arr.forEach(function (item, index) {
    if (typeof item === 'object' && item !== null)
      if (Array.isArray(item)) { clone[index] = deepCloneArray(item); }
    else if (isSpecificValue(item)) { clone[index] = cloneSpecificValue(item); }
    else if (typeof item === 'object' && item !== null) {
      [item] = clone[index];
    }
  });
  return clone;
}

function safeGetProperty(object, property) {
  return property === '__proto__' ? undefined : object[property];
}

/**
 * Extending object that entered in first argument.
 * Returns extended object or false if have no target object or incorrect type.
 * If you wish to clone source object (without modify it), just use empty new
 * object as first argument, like this:
 * deepExtend([], yourObj_1, [yourObj_N]); //
 * Extending object that entered in first argument.
 * Returns extended object or false if have no target object or incorrect type.
 * If you wish to clone source object (without modify it), just use empty new
 * object as first argument, like this:
 * deepExtend([], yourObj_1, [yourObj_N]); //
 * Extending object that entered in first argument.
 * Returns extended object or false if have no target object or incorrect type.
 * If you wish to clone source object (without modify it), just use empty new
 * object as first argument, like this:
 * deepExtend([], yourObj_1, [yourObj_N]); //
 */

Open Source Used In SDWan 20.4.1 6800
freeGlobal = require('./_freeGlobal');

/**
 * Detect free variable `exports`.
 */
var freeExports = typeof exports == 'object' && exports && exports.__esModule ? exports : exports;

/**
 * Detect free variable `module`.
 */
var freeModule = freeExports && typeof module == 'object' && module && module.nodeType && module;

/**
 * Detect the popular CommonJS extension `module.exports`.
 */
var moduleExports = freeModule && freeModule.exports === freeExports;

/**
 * Detect free variable `process` from Node.js.
 */
var freeProcess = moduleExports && moduleExports.process;

/**
 * Used to access faster Node.js helpers.
 */
var nodeUtil = (function() {
  try {
    // Use `util.types` for Node.js 10+
    var types = freeModule && freeModule.require && freeModule.require('util').types;

    if (types) {
      return types;
    }

    // Legacy `process.binding('util')` for Node.js < 10.
    return freeProcess && freeProcess.process && freeProcess.process.binding('util');
  } catch (e) {
    return;
  }
})();

module.exports = nodeUtil;


//////////////////
// WEBPACK FOOTER

import { objectify, isFunc, normalizeArray, deeplyStripKey } from "core/utils"
import XML from "@kyleshockey/xml"
import memoizee from "memoizee"
import deepAssign from "@kyleshockey/object-assign-deep"

const primitives = {
  "string": () => "string",
  "string_email": () => "user@example.com",
  "string_date-time": () => new Date().toISOString(),
  "string_date": () => new Date().toISOString().substring(0, 10),
  "string_uuid": () => "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "string_hostname": () => "example.com",
  "string_ipv4": () => "198.51.100.42",
  "string_ipv6": () => "2001:0db8:5b96:0000:0000:426f:8e17:642a",
  "number": () => 0,
  "number_float": () => 0.0,
  "integer": () => 0,
  "boolean": (schema) => typeof schema.default === "boolean" ? schema.default : true
}

const primitive = (schema) => {
  schema = objectify(schema)
  let {
    type, format } = schema

  let fn = primitives[`${type}_${format}`] || primitives[type]

  if(isFunc(fn))
    return fn(schema)

  return "Unknown Type: " + schema.type
}


export const sampleFromSchema = (schema, config={}) => {
  let {
    type, example, properties, additionalProperties, items } = objectify(schema)
  let { includeReadOnly, includeWriteOnly } = config

  if(example !== undefined) {
    return deeplyStripKey(example, "$$ref", (val) => {
      // do a couple of quick sanity tests to ensure the value
      // looks like a $$ref that swagger-client generates.
      return typeof val === "string" && val.indexOf("#") > -1
    })
  }

  if(!type) {
    if(properties) {
      type = "object"
    } else if(items) {
      type = "array"
    } else {
      return
    }

  if(type === "object") {
    let props = objectify(properties)
    let obj = {}
    for (var
      name in props) {
      if ( props[name] && props[name].deprecated ) {
        continue
      }
      if ( props[name] && props[name].readOnly && !includeReadOnly ) {
        continue
      }
      if ( props[name] && props[name].writeOnly && !includeWriteOnly ) {
        continue
      }
      obj[name] = sampleFromSchema(props[name], config)
    }

    if ( additionalProperties === true ) {
      let props = objectify(additionalProperties)
      let obj = {}
    } else if ( additionalProperties ) {
      let props = objectify(additionalProperties)
      let obj = additionaPropVal = sampleFromSchema(additionalProps, config)
      for (let i = 1; i < 4; i++) {
        obj["additionalPropV" + i] = additionaPropVal
      }
    }
    return obj
  }

  if(type === "array") {
    return additionaPropVal
  }

  return
}

Open Source Used In SDWan 20.4.1 6804
if(Array.isArray(items.anyOf)) { 
  return items.anyOf.map(i => sampleFromSchema(i, config))
}

if(Array.isArray(items.oneOf)) { 
  return items.oneOf.map(i => sampleFromSchema(i, config))
}

return [ sampleFromSchema(items, config) ]

if(isArray(schema["enum"))) { 
  return normalizeArray(schema["enum"], [0])
}

if (type === "file") { 
  return 
}

return primitive(schema)

export const inferSchema = (thing) => {
  if(thing.schema)
    thing = thing.schema

  if(thing.properties) {
    thing.type = "object"
  } else if(items)
    thing.type = "array"
  else {
    thing = null
  }

  return thing
}

let objectifySchema = deepAssign({}, objectify(schema))
let { type, properties, additionalProperties, items, example } = objectifySchema

let { includeReadOnly, includeWriteOnly } = config

let defaultValue = objectifySchema.default
let enumValue = objectifySchema.enum
let displayName, value

if(!type) {
  if(properties || additionalProperties) {
    type = "object"
  } else if(items) {
    type = "array"
  } else {
    return
  }
}

name = name || "notagname"
// add prefix to name if exists
displayName = (prefix ? prefix + ":" : "") + name
if ( namespace ) {
// add prefix to namespace if exists
let namespacePrefix = ( prefix ? "xmlns:" : "xmlns")
  namespace
}

if (type === "array") {
  if (items) {
    items.xml = items.xml || xml || {}
    items.xml.name = items.xml.name || xml.name
    if (xml.wrapped) {
      res[displayName] = []
      if (Array.isArray(example)) {
        example.forEach((v) => {
          items.example = v
          res[displayName].push(sampleXmlFromSchema(items, config))
        })
      } else if (Array.isArray(defaultValue)) {
        defaultValue.forEach((v) => {
          items.default = v
          res[displayName].push(sampleXmlFromSchema(items, config))
        })
      } else {
        res[displayName] = [sampleXmlFromSchema(items, config)]
      }

      if (_attr) {
        res[displayName].push({_attr: _attr})
      }
    } else if (Array.isArray(example)) {
      example.forEach((v) => {
        items.example = v
        _res.push(sampleXmlFromSchema(items, config))
      })
      return _res
    } else if (Array.isArray(defaultValue)) {
      defaultValue.forEach((v) => {
        items.default = v
        _res.push(sampleXmlFromSchema(items, config))
      })
      return _res
    }

    return sampleXmlFromSchema(items, config)
  }
}

if (type === "object") {
  let props = objectify(properties)
  res[displayName] = []
  example = example || {}

  for (let propName in props) {
    if (!props.hasOwnProperty(propName)) {
      continue
    }
    if (props[propName].readOnly && !includeReadOnly) {
      continue
    }
    if (props[propName].writeOnly && !includeWriteOnly) {
      continue
    }

    props[propName].xml = props[propName].xml || {}

    if (props[propName].xml.attribute) {
      let enumAttrVal = Array.isArray(props[propName].enum) && props[propName].enum[0]
      let attrExample = props[propName].example
      let Default = props[propName].default
      _attr = attrExample
      xml = props[propName].xml
      if (enumAttrVal) {
        _attr = enumAttrVal
        xml = primitive(props[propName])
      }
      xml.namespace = ""
      xml.attribute = undefined
      xml.default = undefined
      xml.example = undefined
    } else {
      xml = props[propName].xml
      xml.attribute = undefined
      xml.default = undefined
      xml.example = undefined
    }

    if (additionalProperties == true) {
      res[displayName].push({
        additionalProp: "Anything can be here!"
      })
    } else if (additionalProperties) {
      res[displayName].push({
        additionalProp: primitive(additionalProperties)
      })
    }

    if (_attr) {
      res[displayName].push({_attr: _attr})
    }

    return res
  }
}

if (example !== undefined) {
  value = example
}

if (defaultValue !== undefined) {
  //display example if exists
  value = defaultValue
}

if (Array.isArray(enumValue)) {
  //display enum first value
  value = enumValue[0]
}

else {
  //set default value
  value = primitive(schema)
}

if (value) {
  res[displayName].push(value)
}

if (_attr) {
  res[displayName].push({_attr: _attr})
}

let xml = sampleXMLFromSchema(schema, config)
if (!json) {
  return xml
}

return XML(json, { declaration: true, indent: 2, }})
"\"\n\nuse strict;\n
var R = typeof Reflect === 'object' ? Reflect : null;\nvar ReflectApply = R && typeof R.apply === 'function' ? ReflectApply : function ReflectApply(target, receiver, args) {\n  return Function.prototype.apply.call(target, receiver, args);
};\n
var ReflectOwnKeys
if (R && typeof R.ownKeys === 'function') {
  ReflectOwnKeys = R.ownKeys
} else if (Object.getOwnPropertySymbols) {
  ReflectOwnKeys = function ReflectOwnKeys(target) {
    return Object.getOwnPropertyNames(target);
  }.concat(Object.getOwnPropertySymbols(target));\n} else {\n  ReflectOwnKeys = function ReflectOwnKeys(target) {
    return Object.getOwnPropertyNames(target);
  };
}

function ProcessEmitWarning(warning) {
  if (console && console.warn) console.warn(warning);
}

var NumberIsNaN = Number.isNaN || function NumberIsNaN(value) {
  return value !== value;
}

function EventEmitter() {
  EventEmitter.init.call(this);
}
module.exports = EventEmitter;

// Backwards-compat with node 0.10.x
EventEmitter.EventEmitter = EventEmitter;

EventEmitter.prototype._events = undefined;
EventEmitter.prototype._eventsCount = 0;
EventEmitter.prototype._maxListeners = undefined;

// By default EventEmitters will print a warning if more than 10 listeners are added to it. This is a useful default which helps finding memory leaks.
var defaultMaxListeners = 10;

Object.defineProperty(EventEmitter, 'defaultMaxListeners', {
  enumerable: true,
  get: function() {
    return defaultMaxListeners;
  },
  set: function(arg) {
    if (typeof arg !== 'number' || arg < 0 || NumberIsNaN(arg)) {
      throw new RangeError('The value of "defaultMaxListeners" is out of range. It must be a non-negative number. Received ' + arg + '.');
    }
    defaultMaxListeners = arg;
  }
});

EventEmitter.init = function() {
  if (this._events === undefined || this._events === Object.getPrototypeOf(this)._events) {
    this._events = Object.create(null);
    this._eventsCount = 0;
  }
  this._maxListeners = this._maxListeners || undefined;
};

function $getMaxListeners(that) {
  if (that._maxListeners === undefined)
    return EventEmitter.defaultMaxListeners;
  return that._maxListeners;
}

EventEmitter.prototype.getMaxListeners = function getMaxListeners() {
  return $getMaxListeners(this);
};

EventEmitter.prototype.emit = function emit(type) {
  var args = [];\n  for (var i = 1; i < arguments.length; i++) args.push(arguments[i]);
  var doError = (type === 'error');

  var events = this._events;
  if (events !== undefined) doError = (doError && events.error === undefined);
  else if (!doError) return false;

  var maxListeners = this._maxListeners;
  var maxListeners = typeof maxListeners === 'number' ? maxListeners : 10;

  if (events === undefined || maxListeners > events.length) {\n    this._events = Object.create(null);
    this._eventsCount = 0;
    this._maxListeners = this._maxListeners || undefined;
  }\n  // Obviously not all Emitters should be limited to 10. This function allows that to be increased. Set to zero for unlimited.
  if (events) {\n    return EventEmmitter.defaultMaxListeners;
  }
  return EventEmmitter.prototype.emit.call(this, type, args);
};

EventEmmitter.prototype.emit = function emit(type) {
  var args = [];\n  for (var i = 1; i < arguments.length; i++) args.push(arguments[i]);
  var doError = (type === 'error');
  var events = this._events;

  if (events !== undefined) doError = (doError && events.error === undefined);
  else if (!doError) return false;

  if (events.length > 0) {\n    var maxListeners = this._maxListeners;
  }

  if (err instanceof Error) {\n    // Note: The comments on the 'throw' lines are intentional, they show what would happen if this results in an unhandled exception.
    throw err;\n    // Unhandled 'error' event\n    // At least give some kind of context to the user\n    var err = new Error('Unhandled error.' + (err ? (' + er.message + ') : ''));\n    err.context = er;\n    throw err;\n  }\n};
```javascript
	if (typeof handler !== 'undefined')
	  return false;

	if (typeof handler === 'function') {

    ReflectApply(handler, this, args);
  } else {

    var len = handler.length;
    var listeners = arrayClone(handler, len);

    for (var i = 0; i < len; ++i) {
      ReflectApply(listeners[i], this, args);
    }

    return true;
  }


function _addListener(target, type, listener, prepend) {

  var m;
  var events;

  if (typeof listener !== 'function') {
    throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                        typeof listener);
  }

  if (events === undefined) {
    return false;
  }

  if (typeof handler === 'function') {

    ReflectApply(handler, this, args);
  } else {

    var len = handler.length;
    var listeners = arrayClone(handler, len);

    for (var i = 0; i < len; ++i) {
      ReflectApply(listeners[i], this, args);
    }

    return true;
  }

}

function _onceWrap(target, type, listener) {

  var state = {

    fired: false,
    wrapFn: undefined,
    target: target,
    type: type,
    listener: listener,
  }

  var wrapped = onceWrapper.bind(state);

  return this;
}

function onceWrapper() {

  var args = [];
  for (var i = 0; i < arguments.length; i++) args.push(arguments[i]);

  if (!this.fired) {

    this.target.removeListener(this.type, this.wrapFn);
    this.fired = true;
  }

  this(target, arguments);
}

function prependListener(type, listener) {

  var existing = events[type];

  if (typeof listener !== 'function') {
    throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                        typeof listener);
  }

  if (events === undefined) {
    return this;
  }

  events = target._events;

  if (events === undefined) {
    events = target._events = Object.create(null);

    target._eventsCount = 0;
  } else {

    if (events._newListener !== undefined) {

      target.emit('newListener', type, listener);
    }

    // Re-assign \'events\' because a new \'Listener\' handler could have caused the
    // \_events to be assign to a new object
    events = target._events;

    if (events[type] === undefined) {

      events[type] = listener;
    }

    // Optimize the case of one listener. Don't need the extra object
    if (exists[type] === undefined) {

      events[type] = listener;
    }

    // Add the second element, need to change to array.
    if (typeof exists === 'function') {

      exists[exists] = listener;
    }

  }

  if (typeof listener === 'function') {

    if (++this._eventsCount > this._maxListeners) {

      throw new MaxListenersExceededWarning(target, this.type, this._maxListeners);
    }

    // MaxListenersExceededWarning\n    w.emitter = target;
    w.type = type;
    w.count = existing.length;

    ProcessEmitWarning(w);

    // \_events\n    return target;
  }

  if (events.removeListener) {

    function removeListener(type, listener) {

      var list, position;

      if (typeOf listener !== 'function') {

        throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                               typeof listener);
      }

      if (events.removeListener) {

        return this;
      }

      // To avoid recursion in the case that type === \'
      \newListener\'!
      // before \_add\_Listener\(0)\n
      // adding to the listeners, first emit \'new\_Listener\'\n
      // events.new\_Listener !== undefined) {

        target.emit('new\_Listener', type, listener);
      }

      // \_events = target._events;

      if (events === undefined) {

        return this;
      }

      list = events[type];

      if (list === undefined) {

        return false;
      }

      if (typeof list === 'function') {

        throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                              typeof list);
      }

      this.prependListener(type, list);

      return true;
    }

    var handler = events[type];

    if (handler === undefined) {

      return this;
    }

    if (list === undefined) {

      return this;
    }

    if (list === undefined) {

      return this;
    }

    if (events.removeListener) {

      function removeListener(type, listener) {

        var list, position;

        if (typeOf listener !== 'function') {

          throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                                  typeof listener);
        }

        if (events.removeListener) {

          return this;
        }

        // To avoid recursion in the case that type === \'
        \newListener\'!
        // before \_add\_Listener\(0)\n
        // adding to the listeners, first emit \'new\_Listener\'\n
        // events.new\_Listener !== undefined) {

          target.emit('new\_Listener', type, listener);
        }

        // \_events = target._events;

        if (events === undefined) {

          return this;
        }

        list = events[type];

        if (list === undefined) {

          return false;
        }

        if (typeof list === 'function') {

          throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                                  typeof list);
        }

        this.prependListener(type, list);

        return true;
      }

    } else {

      throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                            typeof listener);
    }

    // \_events = target._events;

    if (events === undefined) {

      return this;
    }

    list = events[type];

    if (list === undefined) {

      return false;
    }

    if (typeof list === 'function') {

      throw new TypeError('The \"listener\" argument must be of type Function. Received type \'+
                             typeof list);
    }

    this.prependListener(type, list);

    return true;
  }

  return this;
}
```

---

**Open Source Used In SDWan**

20.4.1 6807
if (events.removeListener !== undefined)
          this.emit('removeListener', type, originalListener || listener);

    return this;
  };

EventEmitter.prototype.removeListener =
    function
          removeAllListeners(type) {
            var keys, i;

            if (events.removeListener === undefined) {
              if (arguments.length === 0) {
                this._events = Object.create(null);
                this._eventsCount = 0;
              } else if (events[type] !== undefined) {
                if (arguments.length === 0)
                  return this;
                if (key === 'removeListener') continue;
                this.removeAllListeners(type);
              } else {
                this.removeListener(type);
              }
            } else {
              for (i = 0; i < keys.length; ++i) {
                var key = keys[i];
                if (key === 'removeListener') continue;
                this.removeListener(type, keys[i]);
              }
            }

            return this;
        };

EventEmitter.prototype.listeners =
    function listeners(type) {
      return _listeners(this, type, true);
    };

EventEmitter.prototype.rawListeners =
    function rawListeners(type) {
      return _listeners(this, type, false);
    };

EventEmitter.listenerCount =
    function(emitter, type) {
      if (typeof emitter.listenerCount === 'function') {
        return emitter.listenerCount(type);
      } else {
        return listenerCount.call(emitter, type);
      }
    };

EventEmitter.prototype.listenerCount =
    function listenerCount(type) {
      var events = this._events;

      if (events !== undefined) {
        var evlistener = events[type];

        if (typeof evlistener === 'function') {
          return 1;
        } else if (evlistener !== undefined) {
          return evlistener.length;
        }
      }

      return 0;
    };

EventEmitter.prototype.eventNames =
    function eventNames() {
      return this._eventsCount > 0 ? ReflectOwnKeys(this._events) : [];
    };

function arrayClone(arr, n) {
  var copy = new Array(n);
  for (var i = 0; i < n; ++i)
    copy[i] = arr[i];
  return copy;
}

function spliceOne(list, index) {
  for (; index + 1 < list.length; index++)
    list[index] = list[index + 1];
  list.pop();
}

function unwrapListeners(arr) {
  var ret = new Array(arr.length);
  for (var i = 0; i < arr.length; ++i)
    ret[i] = arr[i].listener || arr[i];
  return ret;
}

//////////////////
// WEBPACK FOOTER
// module id = 199
// module chunks = 0

require('./lib/_stream_readable.js');
exports.Stream = exports;
exports.Readable = exports;
exports.Writable = require('./lib/_stream_writable.js');
exports.Duplex = require('./lib/_stream_duplex.js');
exports.Transform = require('./lib/_stream_transform.js');
exports.PassThrough = require('./lib/_stream_pass_through.js');
OR OTHER DEALINGS IN THE SOFTWARE. A bit simpler than readable streams. Implement an async
_write(chunk, encoding, cb), and it'll handle all of the drain event emission and buffering.

strict


// A bit simpler than readable streams.
// Implement an async

'use

strict';

var pna = require('process-nextick-args');

/*<replacement>*/

var asyncWrite = !process.browser && ['v0.10', 'v0.9.'].indexOf(process.version.slice(0, 5)) > -1 ? setImmediate : pna.nextTick;

/*<replacement>*/

var Duplex;

/*<replacement>*/

var util = require('core-util-is');
util.inherits = require('inherits');

/*<replacement>*/

var internalUtil = {
  deprecate: require('util-deprecate')
};

/*<replacement>*/

var Stream = require('./internal/streams/stream');

/*<replacement>*/

var Buffer = require('safe-buffer').Buffer;
var OurUint8Array = global.Uint8Array || function () {};
function _uint8ArrayToBuffer(chunk) {
  return Buffer.from(chunk);
}
function _isUint8Array(obj) {
  return Buffer.isBuffer(obj) || obj instanceof OurUint8Array;
}

var destroyImpl = require('./internal/streams/destroy');

util.inherits(WritableState, Stream);

function nop() {}

function WritableState(options, stream) {
  Duplex = Duplex || require('./_stream_duplex');

  options = options || {};

  // Duplex streams are both readable and writable, but share the same options object.
  // However, some cases require setting options to different values for the readable and the writable sides of the duplex stream.

  // These options can be provided separately as readableXXX and writableXXX.
  var isDuplex = stream instanceof Duplex;

  // object stream flag to indicate whether or not this stream // contains buffers or objects.
  this.objectMode = !!options.objectMode;

  if (isDuplex) this.objectMode = this.objectMode || !!options.writableObjectMode;

  // the point at which write() starts returning false // Note: 0 is a valid value,
  // means that we always return false if // the entire buffer is not flushed immediately on write()
  var hwm = options.highWaterMark;
  var writableHwm = options.writableHighWaterMark;
  var defaultHwm = this.objectMode ? 16 : 16 * 1024;

  if (hwm || hwm === 0) this.highWaterMark = hwm;else if (isDuplex && (writableHwm || writableHwm === 0)) this.highWaterMark = writableHwm;else this.highWaterMark = defaultHwm;

  // cast to ints.
  this.highWaterMark = Math.floor(this.highWaterMark);

  // a flag to know if we're processing previously buffered items, which
  // may call the _write() callback in the same tick, so that we don't // end up in an overlapped
  var noDecode = options.decodeStrings === false;

  this.decodeStrings = !noDecode;

  // Crypto is kind of old and crusty. Historically, its default string // encoding is 'binary' so we have to make this configurable.

  // Everything else in the universe uses 'utf8', though, so

  // defaultEncoding = options.defaultEncoding || 'utf8';

  // not an actual buffer we keep track of, but a measurement // of how much
  // we're waiting to get pushed to some underlying // socket or file.
  this.length = 0;

  // should we decode strings into buffers before passing to _write?
  // this is here so that some node-core streams can optimize string

  // handling at a lower level.

  // this is not used when encoding is 'binary' so we have to make this configurable.

  // Everything else in the universe uses 'utf8', though,

  // defaultEncoding = options.defaultEncoding || 'utf8';

  // not an actual buffer we keep track of, but a measurement // of how much
  // we're waiting to get pushed to some underlying // socket or file.
  this.length = 0;

  // a flag to see when we're in the middle of a write // when true all writes will be buffered until uncork() calls

  // this.corked = 0;

  // a flag to be able to tell if the onwrite cb is called immediately, // or on a later tick. We set this to true at first, because any // actions that shouldn't happen until \"later\" should generally also not

  // not happen before the first buffer call // this.sync = true;

  // a flag to know if we're processing previously buffered items,

  // may call the _write() callback in the same tick, so that we don't // end up in an overlapped

  // this.bufferProcessing = false;

  // the callback that's passed to _write(chunk, cb)

  // this.onwrite = function (er) {

  // the callback that the user supplies to write(chunk,encoding,cb)

  // this.writecb = null;

  // the amount that is being written when _write is called.

  // this.writelen = 0;

  // this.bufferedRequest = null;

  // number of pending user-supplied write callbacks // this must be 0 before 'finish' can be emitted

  // this.pendingcb = 0;

  // emit
prefinish if the only thing we're waiting for is _write cb\n // This is relevant for synchronous Transform streams\n this.prefinished = false;\n // True if the error was already emitted and should not be thrown again\n this.errorEmitted = false;\n // count buffered requests\n this.bufferedRequestCount = 0;\n // allocate the first\n this.corkedRequestsFree = \n new CorkedRequest(this);\n\n this.return_out = \n function () {\n try {\n Object.defineProperty(WritableState.prototype, 'buffer', {\n get: \n internalUtil.deprecate(function () {\n return this.getBuffer();\n }, '_writableState.buffer is deprecated. Use _writableState.getBuffer ' + 'instead.', 'DEP0003');\n } catch (_) {));\n // Test _writableState for inheritance to account for Duplex\n streams,\n // whose prototype chain only points to Readable.\n var realHasInstance;\n if (typeof Symbol === 'function' &&\n Symbol.hasInstance && typeof Function.prototype[Symbol.hasInstance] === 'function') {\n realHasInstance =\n Function.prototype[Symbol.hasInstance];\n Object.defineProperty(Writable, Symbol.hasInstance, {\n value: function (object) {\n if (realHasInstance.call(this, object)) return true;\n if (this !== Writable) return false;\n return object && this._writableState instanceof WritableState;\n }\n }\n } else {\n realHasInstance =\n function (object) {\n if (realHasInstance.call(this, object)) return true;\n if (this !== Writable) return false;\n return object && this._writableState instanceof WritableState;\n }\n }\n}\n this._writableState = \n new WritableState(options, this);\n\n // legacy.\n this.writable = true;\n if (options) {\n if (typeof options.write === 'function') this._write = options.write;\n if (typeof options.writev === 'function') this._writev = options.writev;\n if (typeof options.destroy === 'function') this._destroy = options.destroy;\n if (typeof options.final === 'function') this._final = options.final;\n }\n\n Stream.call(this);\n\n // legacy.
 writable = true;\n\n // legacy.
 this.writable = true;\n if (options) {\n if (typeof options.write === 'function') this._write = options.write;\n if (typeof options.writev === 'function') this._writev = options.writev;\n if (typeof options.destroy === 'function') this._destroy = options.destroy;\n if (typeof options.final === 'function') this._final = options.final;\n }\n\n Stream.call(this);\n\n // Test _writableState for inheritance to account for Duplex\n streams here will also break the\n // Node.js LazyTransform implementation, which has a non-trivial getter for\n // _writableState that would lead to infinite recursion.\n if (!realHasInstance.call(Writable, this) && \n !this._writableState) {\n return new Writable(options);\n }\n\n this._writableState = new WritableState(options, this);\n\n // Tests\n\n if (options) {\n if (typeof options.write === 'function')\n this._write = options.write;\n if (typeof options.writev === 'function')\n this._writev = options.writev;\n if (typeof options.destroy === 'function') this._destroy = options.destroy;\n if (typeof options.final === 'function') this._final = options.final;\n }\n\n // Tests\n\n Writable.prototype.pipe = function (stream, cb) {\n var er = new Error('Write after\n end');\n // TODO: defer error events consistently everywhere, not just the cb\n stream.emit('error', er);\n\n pna.nextTick(cb, er);\n\n // Checks that a user-supplied chunk is valid, especially for the particular\n // mode the stream is in. Currently this means that `null` is never accepted\n // and undefined/non-string values are only allowed in object mode.\n function validChunk(stream, state, cb) {\n var valid = true;\n var er = new TypeError('Invalid non-string/buffer chunk');\n if (er) {\n stream.emit('error', er);\n pna.nextTick(cb, er);\n valid = false;\n }\n return valid;\n}\n\n Writable.prototype.write = function (chunk, encoding, cb) {\n var state = this._writableState;\n var ret = false;\n var isBuf = state.objectMode && isUint8Array(chunk);\n if (isBuf && Buffer.isBuffer(chunk)) {\n\n chunk = _uint8ArrayToBuffer(chunk);\n }\n\n if (typeof encoding === 'function') {\n cb = encoding;\n encoding = null;\n }\n\n if (isBuf) encoding = 'buffer';\n if (!encoding) encoding = state.defaultEncoding;\n if (typeof cb === 'function') cb = nop;\n if (state.ended) writeAfterEnd(this, cb);\n else if (isBuf) \n validChunk(this, state, chunk, cb);\n \n state.ended++;\n return writeOrBuffer(this, state, isBuf, chunk, encoding, cb);\n}\n return ret;\n}\n\n Writable.prototype.cork = function () {\n var state = this._writableState;\n\n state.corked++;\n\n Writable.prototype.uncork = function () {\n var state = this._writableState;\n if (state.corked) {\n state.corked--;\n if (!state.writing && !state.corked && !state.finished &&\n !state.bufferProcessing && state.bufferedRequest) clearBuffer(this, state);\n }\n\n Writable.prototype.setDefaultEncoding = function setDefaultEncoding(encoding) {\n \n};\n\n ParseEncoding() requires lower case.\n if (typeof encoding === 'string') encoding =\n encoding.toLowerCase();\n if (!(['hex', 'utf8', 'utf-8', 'ascii', 'binary', 'base64', 'ucs2', 'ucs-2', 'utf16le', 'utf-16le',\n 'raw'].indexOf(encoding + '') > -1)) throw new TypeError('Unknown encoding: ' + encoding);\n
byObserver = function (Observer) {
  var node = document.createTextNode(''), queue, currentQueue, i = 0;
  new Observer(function () {
    var callback = function (queue) {
      queue = currentQueue;
    }
    function (fn) {
      queue = currentQueue.concat(queue);
    }
    function (fn) {
      if (typeof currentQueue === 'function') {
        currentQueue = queue;
      }
      queue = null;
    }
    function (fn) {
      if (typeof currentQueue === 'function') {
        currentQueue = queue;
      }
      queue = null;
    }
    queue = currentQueue && queue;
    currentQueue = queue;
  });
  return function (fn) {
    callable(fn);
    if (queue) {
      if (typeof queue === 'function') queue = [queue, fn];
      else queue.push(fn);
    }
    queue = fn;
    node.data = (i = ++i % 2);
  };
};

module.exports = (function () {
  // Node.js
  if ((typeof process === 'object') && process && (typeof process.nextTick === 'function')) {
    return process.nextTick;
  }

  // MutationObserver
  if ((typeof document === 'object') && document) {
    if (typeof MutationObserver === 'function') return byObserver(MutationObserver);
    if (typeof WebKitMutationObserver === 'function') return byObserver(WebKitMutationObserver);
  }

  // W3C Draft
  // http://dvcs.w3.org/hg/webperf/raw-file/tip/specs/setImmediate/Overview.html
  if (typeof setImmediate === 'function') {
    return function (cb) {
      setImmediate(callable(cb));
    }
  }

  // Wide available standard
  if ((typeof setTimeout === 'function') || (typeof setTimeout === 'object')) {
    return function (cb) { setTimeout(callable(cb), 0); };
  }

  return null;
}());

export const UPDATE_LAYOUT = "layout_update_layout"
export const UPDATE_FILTER = "layout_update_filter"
export const UPDATE_MODE = "layout_update_mode"
export const SHOW = "layout_show"

export function updateLayout(layout) {
  return {
    type: UPDATE_LAYOUT,
    payload: layout
  }
}

export function updateFilter(filter) {
  return {
    type: UPDATE_FILTER,
    payload: filter
  }
}

export function show(thing, shown=true) {
  thing = normalizeArray(thing)
  return {
    type: SHOW,
    payload: {thing, shown}
  }
}

export function changeMode(thing, mode="") {
  thing = normalizeArray(thing)
  return {
    type: UPDATE_MODE,
    payload: {thing, mode}
  }
}

export const UPDATE_SPEC = "spec_update_spec"
export const UPDATE_URL = "spec_update_url"
export const UPDATE_JSON = "spec_update_json"
export const UPDATE_PARAM = "spec_update_param"
export const UPDATE_EMPTY_PARAM_INCLUSION = "spec_update_empty_param_inclusion"
export const VALIDATE_PARAMS = "spec_validate_param"
export const SET_RESPONSE = "spec_set_response"
export const SET_REQUEST = "spec_set_request"
export const SET_MUTATED_REQUEST = "spec_set_mutated_request"
export const LOCK_REQUEST = "spec_lock_request"
export const CLEAR_RESPONSE = "spec_clear_response"
export const CLEAR_REQUEST = "spec_clear_request"
export const CLEAR_VALIDATE_PARAMS = "spec_clear_validate_params"
export const UPDATE_OPERATION_META_VALUE = "spec_update_operation_meta_value"
export const UPDATE_RESOLVED = "spec_update_resolved"
export const UPDATE_RESOLVED_SUBTREE = "spec_update_resolved_subtree"
export const SET_SCHEMA = "spec_set_schema"
export const cleanSpec = (toStr(spec)).replace(/\{[^\}]+\}/g, "\"\"\"\{"type: UPDATE_SPEC,
  payload: cleanSpec
}"

export const UPDATE_URL = "spec_update_url"
export const updateUrl = (url) => {
  return {
    type: UPDATE_URL,
    payload: url
  }
}
payload: json\n\nunexport const parseToJson = (str) => {
  let {
    specStr } = specSelectors
  let json = null
  try {
    str = str || specStr()
    errActions.clear({ source: "parser" })
  } catch(e) {
    if(json && typeof json === "object") {
      return errActions.newSpecErr({
        source: "parser",
        level: "error",
        message: e.reason,
        line: e.mark && e.mark.line ? e.mark.line + 1 : undefined
      })
    }
  }
  if(json) {
    specActions.updateJsonSpec(json)
  } else {
    return {}
  }
}

let hasWarnedAboutResolveSpecDeprecation = false

export const resolveSpec = (json, url) => {
  specStr = specSelectors.specStr()
  url = specSelectors.url()
  return resolve({
    fetch: specTpl(baseDoc, url, modelPropertyMacro, parameterMacro, requestInterceptor, responseInterceptor
  }).then((error) => {
    errActions.clear({
      type: "thrown"
    })
    if(Array.isArray(error) && error.length > 0) {
      let preparedErrors = error
      errors = errors
    } else {
      return
    }
  } else {
    return
  })
}

let requestBatch = []

const debResolveSubtrees = debounce(async () => {
  const { errActions, errSelectors, fn: {
    resolveSubtree, AST = {}
  }, specSelectors, specActions, AST } = system
  if(!resolveSubtree) {
    console.error("Error: Swagger-Client did not provide a `resolveSubtree` method, doing nothing.")
    return
  }
  let getLineNumberForPath = AST.getLineNumberForPath

  try {
    var batchResult = await requestBatch.reduce(async
    prev, path) => {
      const { resultMap, specWithCurrentSubtrees } = await prev
      const { errors, spec } = await resolveSubtree(specWithCurrentSubtrees, path, {
        baseDoc: specSelectors.url(),
        modelPropertyMacro, parameterMacro, requestInterceptor, responseInterceptor
      })
      return {
        resultMap,
        specWithCurrentSubtrees
      }
    })

    delete requestBatch.system
    requestBatch = []
    if(errSelectors.allErrors().size) {
      errActions.clearBy(err => {
        // keep if...
        return err.get("type") !== "thrown" // it's not a thrown error
          || err.get("source") !== "resolver" // it's not a resolver error
          || !err.get("fullPath").every((key, i) => key === path[i] || path[i] === undefined) // it's not within the path we're resolving
      })
    }

    if(Array.isArray(errors) && errors.length > 0) {
      let preparedErrors = errors
      errors = errors
    } else {
      return
    }
  } catch(e) {
    console.error(e)
  }
}

specActions.updateResolvedSubtree({})

export const requestResolvedSubtree = path => system => {
  // poor-man's array comparison
  // if this ever inadequate, this should be rewritten to use Im.List
  const isPathAlreadyBatched = requestBatch
    .map(arr => arr.join("@@"))
INDEXOF(path, join("@")) > -1 \n if(isPathAlreadyBatched) \n return \n requestBatch.push(path) \n requestBatch.system = system \n debResolveSubtrees() \n } \n
export function changeParam(path, paramName, paramIn, value, isXml) { \n return \n } \n
export function changeParamByIdentity(pathMethod, param, value, isXml) { \n return \n } \n
export function updateResolvedSubtree = (path, value) => { \n return \n } \n
export function changeParamByIdentity(pathMethod, param, value, isXml) { \n return \n } \n
export const updateResolvedSubtree = (path, value) => { \n return \n } \n
export const invalidateResolvedSubtreeCache = () => { \n return \n } \n
export const validateParams = (payload, isOAS3) => { \n return \n } \n
export const updateEmptyParamInclusion = (pathMethod, paramName, paramIn, includeEmptyValue) => { \n return \n } \n
export function clearValidateParams(payload) { \n return \n } \n
export function changeConsumesValue(path, value) { \n return \n } \n
export function changeProducesValue(path, value) { \n return \n } \n
export const setResponse = (path, method, res) => { \n return \n } \n
export const setRequest = (path, method, req) => { \n return \n } \n
export const setMutatedRequest = (path, method, req) => { \n return \n } \n
// This is for debugging, remove this comment if you depend on this action \nexport const logRequest = (req) => { \n return \n } \n
// Actually fire the request via fn.execute() \n// (For debugging) and ease of testing \namespace = pathName + ':' + method \n\nreq = Object.assign({}, req) \nreq = fn.buildRequest(req) \n\nspecActions.setRequest(req.pathName, req.method, req) \n\nlet requestInterceptorWrapper = ...
function(r) {
    let mutatedRequest = requestInterceptor.apply(this, [r]);
    let parsedMutatedRequest = Object.assign({}, mutatedRequest);
    return parsedMutatedRequest;

    specActions.setMutatedRequest(parsedMutatedRequest);

    return fn.execute(req)
      .then(res => {
        res.duration = Date.now() - startTime
        specActions.setResponse(req.pathName, req.method, res);
      })
      .catch(err => {
        specActions.setResponse(req.pathName, req.method, {
          error: true,
          err: serializeError(err)
        });
      });
}

export const execute = ( { path, method, ...extras } = {} ) => (system) => {
  let { fn: fetch, specSelectors, specActions } = system
  let spec = specSelectors.specJsonWithResolvedSubtrees().toJS();
  let parameters = specSelectors.parameterValues([path, method], isXml).toJS();
  let requestContentType,
    responseContentType = specSelectors.contentTypeValues([path, method]).toJS();
  let isXml = /xml/i.test(requestContentType);
  let scheme = specSelectors.operationScheme(path, method);
  let request = specActions.executeRequest({
    ...extras,
    fetch,
    spec,
    pathName: path,
    method,
    parameters,
    requestContentType,
    scheme,
    responseContentType
  });
}

export function clearResponse (path, method) {
  return {
    type: CLEAR_RESPONSE,
    payload: { path, method }
  }
}

export function clearRequest (path, method) {
  return {
    type: CLEAR_REQUEST,
    payload: { path, method }
  }
}

export function setScheme (scheme, path, method) {
  return {
    type: SET_SCHEME,
    payload: {
      scheme, path, method
    }
  }
}

'}
page. *Worker or through a worker using a blob. And with the blobble begins the problem* as the location object will contain the URL of the blob, not the location of the page where our code is loaded in. The actual origin is encoded in the `pathname` so we can thankfully generate a good `\protocol\slashes* ` URL location from it so we can generate proper relative URL’s again.

```javascript
parse.exec(address) {
  url[key] = index[1];
  address = address.slice(0, index.index);
}

url[key] = address.slice(index);
  address = address.slice(0, index);
}
```

```javascript
if ('number' === typeof instruction[2]) {
  url[key] = instruction[1];

  if (parse !== parse) {
    url[key] = address;
  } else if ('string' === typeof parse) {
    if ('function') {
      address = instruction(address);
      continue;
    }

    parse = instruction[0];
    key =
...```
var namesToPlugins = {};

/**
 * Recomputes the plugin list using the injected plugins and plugin
 */
var eventPluginOrder = null;

/**
 * Injectable mapping from names to event plugin modules.
 *
 */
require('./reactProdInvariant');

var invariant = require('fbjs/lib/invariant');

/**
 * Injectable ordering of event
 *
 * LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var _prodInvariant =
  require('./prodInvariant');

Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 *
 */

// ./node_modules/url-parse/index.js
// module id = 212
// module chunks = 0

/**
 *
 * The URL parser and some additional properties that might be useful for
 * others or testing.
 *
 */

Url.extractProtocol = extractProtocol;
Url.location = location;
Url.qs = qs;

module.exports = Url;

function toString(stringify) {
  if (!stringify || 'function' !== typeof stringify) stringify = qs.stringify;

  var query
    , url = this
    , protocol = url.protocol;

  switch (part) {
    case 'query':
      if ('string' === typeof value && value.length) {
        url.query = (fn || qs.parse)(value);
      }
      break;

    case 'pathname':
      url.pathname = url.pathname || value;
      if (url.pathname) value = (fn || qs.parse)(value);
      }

      url[part] = value;
      break;

    case 'port':
      url[part] = value;
      break;

    case 'hash':
      if (value) {
        var char = part === 'pathname' ? '/' : '#';
        url[part] = value.charAt(0) !== char ? char + value : value;
      } else {
        url[part] = value;
      }

      break;

    default:
      url[part] = value;
      break;

    case 'host':
      url[part] = value;
      break;

  }

  return url.href = url.toString();
}

/**
 * This is convenience method for changing
 * protocol, url.port and url.protocol
 * @returns {URL} URL instance for chaining.
 * @public
 */
function set(part, value, fn) {
  var url = this;

  switch (part) {
    case 'query':
      if ('string' === typeof value && value.length) {
        url.query = (fn || qs.parse)(value);
      }
      break;

    case 'pathname':
      url.pathname = value;
      break;

    case 'port':
      url.port = value;
      break;

    case 'protocol':
      url.protocol = value;
      break;

    case 'host':
      url[part] = value;
      break;

    default:
      url[part] = value;
      break;

    case 'hash':
      if (value) {
        var char = part === 'pathname' ? '/' : '#';
        url[part] = value.charAt(0) !== char ? char + value : value;
      } else {
        url[part] = value;
      }

      break;

    default:
      url[part] = value;
      break;

    case 'host':
      url[part] = value;
      break;

  }

  return url.href = url.toString();
}

/**
 * Transform the properties back in to a valid and full URL string.
 * @param {Boolean|Function} fn  When setting the query, it will be the function
 * used to parse the query.
 * *
 * When setting the protocol, double slash will be\n * removed from the final url if it is true.
 * @returns {URL} URL instance for chaining.
 * @public
 * @function
 */
function set(part, value, fn) {
  var url = this;

  switch (part) {
    case 'query':
      if ('string' === typeof value && value.length) {
        url.query = (fn || qs.parse)(value);
      }
      break;

    case 'pathname':
      url.pathname = value;
      break;

    case 'port':
      url.port = value;
      break;

    case 'protocol':
      url.protocol = value;
      break;

    case 'host':
      url[part] = value;
      break;

    default:
      url[part] = value;
      break;

    case 'hash':
      if (value) {
        var char = part === 'pathname' ? '/' : '#';
        url[part] = value.charAt(0) !== char ? char + value : value;
      } else {
        url[part] = value;
      }

      break;

    default:
      url[part] = value;
      break;

    case 'host':
      url[part] = value;
      break;

  }

  return url.href = url.toString();
}

/**
 * Transform the properties back in to a valid and full URL string.
 * @param {Function} fn  When setting the query, it will be the function
 * used to parse the query.
 * *
 * When setting the protocol, double slash will be\n * removed from the final url if it is true.
 * @returns {URL} URL instance for chaining.
 * @public
 * @function
 */
function set(part, value, fn) {
  var url = this;

  switch (part) {
    case 'query':
      if ('string' === typeof value && value.length) {
        url.query = (fn || qs.parse)(value);
      }
      break;

    case 'pathname':
      url.pathname = value;
      break;

    case 'port':
      url.port = value;
      break;

    case 'protocol':
      url.protocol = value;
      break;

    case 'host':
      url[part] = value;
      break;

    default:
      url[part] = value;
      break;

    case 'hash':
      if (value) {
        var char = part === 'pathname' ? '/' : '#';
        url[part] = value.charAt(0) !== char ? char + value : value;
      } else {
        url[part] = value;
      }

      break;

    default:
      url[part] = value;
      break;

    case 'host':
      url[part] = value;
      break;

  }

  return url.href = url.toString();
}

/**
 * Transform the properties back in to a valid and full URL string.
 * @param {Function} fn  When setting the query, it will be the function
 * used to parse the query.
 * *
 * When setting the protocol, double slash will be\n * removed from the final url if it is true.
 * @returns {URL} URL instance for chaining.
 * @public
 * @function
 */
function set(part, value, fn) {
  var url = this;

  switch (part) {
    case 'query':
      if ('string' === typeof value && value.length) {
        url.query = (fn || qs.parse)(value);
      }
      break;

    case 'pathname':
      url.pathname = value;
      break;

    case 'port':
      url.port = value;
      break;

    case 'protocol':
      url.protocol = value;
      break;

    case 'host':
      url[part] = value;
      break;

    default:
      url[part] = value;
      break;

    case 'hash':
      if (value) {
        var char = part === 'pathname' ? '/' : '#';
        url[part] = value.charAt(0) !== char ? char + value : value;
      } else {
        url[part] = value;
      }

      break;

    default:
      url[part] = value;
      break;

    case 'host':
      url[part] = value;
      break;

  }

  return url.href = url.toString();
}
ordering.

```
function recomputePluginOrdering() {
  if (!eventPluginOrder) { // Wait until an `eventPluginOrder` is injected.
    return;
  }
  for (var pluginName in namesToPlugins) {
    var pluginModule = namesToPlugins[pluginName];
    var pluginIndex = eventPluginOrder.indexOf(pluginName);
    !(pluginIndex > -1) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'EventPluginRegistry: Cannot inject event plugins that do not exist in the plugin ordering, `%s`, name, pluginName) : _prodInvariant('96', pluginName) : void 0;
    plugonEventPluginRegistry.plugins[pluginIndex] = pluginModule;
    var publishedEvents = pluginModule.eventTypes;
    for (var eventName in publishedEvents) {
      publishEventForPlugin(publishedEvents[eventName], pluginModule, eventName) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'EventPluginRegistry: Failed to publish event `%s` for plugin `%s`, name, pluginName) : _prodInvariant('98', eventName, pluginName) : void 0;
    }
  }
}

function publishEventForPlugin(dispatchConfig, pluginModule, eventName) {
  !!EventPluginRegistry.eventNameDispatchConfigs.hasOwnProperty(eventName) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'EventPluginHub: More than one plugin attempted to publish the same event name, `%s`.', eventName) : _prodInvariant('99', eventName) : void 0;
  EventPluginRegistry.eventNameDispatchConfigs[eventName] = dispatchConfig;

  var phasedRegistrationNames = dispatchConfig.phasedRegistrationNames;
  if (phasedRegistrationNames) {
    for (var phaseName in phasedRegistrationNames) {
      if (phasedRegistrationNames.hasOwnProperty(phaseName)) {
        var phasedRegistrationName = phasedRegistrationNames[phaseName];
        publishRegistrationName(phasedRegistrationName, pluginModule, eventName);
      }
    }
    return true;
  } else if (dispatchConfig.registrationName) {
    publishRegistrationName(dispatchConfig.registrationName, pluginModule, eventName);
    return true;
  } return false;
}

function publishRegistrationName(registrationName, pluginModule, eventName) {
  !!EventPluginRegistry.registrationNameModules[registrationName] ? process.env.NODE_ENV !== 'production' ? invariant(false, 'EventPluginHub: More than one plugin attempted to publish the same registration name, `%s`.', registrationName) : _prodInvariant('100', registrationName) : void 0;
  EventPluginRegistry.registrationNameModules[registrationName] = pluginModule;
  EventPluginRegistry.registrationNameDependencies[registrationName] = pluginModule.eventTypes[eventName].dependencies;

  if (process.env.NODE_ENV !== 'production') {
    var lowerCasedName = registrationName.toLowerCase();
    EventPluginRegistry.possibleRegistrationNames[lowerCasedName] = registrationName;
    if (registrationName === 'onDoubleClick') {
      EventPluginRegistry.possibleRegistrationNames.ondblclick = registrationName;
    }
  }
}

module.exports = {EventPluginRegistry};
```

---

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regardless of packaging, on-the-fly injection, etc.

```javascript
injectEventPluginOrder: function (injectedEventPluginOrder) {
  countries: Array.prototype.slice.call(injectedEventPluginOrder);

  eventPluginOrder = Array.prototype.slice.call(injectedEventPluginOrder);
  recomputePluginOrdering();

  var isOrderingDirty = false;
  for (var pluginName in injectedNamesToPlugins)
    if (namesToPlugins.hasOwnProperty(pluginName) ||
        namesToPlugins[pluginName] !== pluginModule) {
      namesToPlugins[pluginName] = pluginModule;
        isOrderingDirty = true;
    }
  if (isOrderingDirty)
    recomputePluginOrdering();

  return
}
```

```javascript
getPluginModuleForEvent: function (event) {
  var dispatchConfig = event.dispatchConfig;
  if (dispatchConfig.registrationName) {
    return
  }
  if (dispatchConfig.phasedRegistrationNames !== undefined) {
    var phasedRegistrationNames = dispatchConfig.phasedRegistrationNames;
    for (var phase in phasedRegistrationNames) {
      if (phasedRegistrationNames.hasOwnProperty(phase)) {
        var pluginModule = EventPluginRegistry.registrationNameModules[phasedRegistrationNames[phase]];
        if (pluginModule) {
          return pluginModule;
        }
      }
    }
  }
  return null;
}
```

```javascript
_resetEventPlugins: function () {
  var eventNameDispatchConfigs = EventPluginRegistry.eventNameDispatchConfigs;
  for (var eventName in eventNameDispatchConfigs)
    if (eventNameDispatchConfigs.hasOwnProperty(eventName)) {
      delete
    }
  var registrationNameModules = EventPluginRegistry.registrationNameModules;
  for (var registrationName in registrationNameModules)
    if (registrationNameModules.hasOwnProperty(registrationName)) {
      delete
    }
  var possibleRegistrationNames = EventPluginRegistry.possibleRegistrationNames;
  for (var lowerCasedName in possibleRegistrationNames)
    if (possibleRegistrationNames.hasOwnProperty(lowerCasedName)) {
      delete
    }
  var module.exports = EventPluginRegistry;
```
if (process.env.NODE_ENV !== 'production') {
  process.env.NODE_ENV !== 'production' ? warning(Injected && Injected.getFromIn...
  Injected.getNodeFromInstance, ...
  Injected.getInstanceFromNode, ...
  } ;
  },
  injectTreeTraversal: function (Injected) {
    TreeTraversal = Injected;
    if (process.env.NODE_ENV !== 'production') {
      process.env.NODE_ENV !== 'production' ? warning(Injected && Injected.isAncestor && Injected.getLowestCommonAncestor, ...
  'EventPluginUtils.injection.injectTreeTraversal(...): Injected module is missing isAncestor or getLowestCommonAncestor.') : void 0;
  },
  },
};

function isEndish(topLevelType) {
  return topLevelType === 'topMouseUp' || topLevelType === 'topTouchEnd' || topLevelType === 'topTouchCancel';
}

function isMoveish(topLevelType) {
  return topLevelType === 'topMouseMove' || topLevelType === 'topTouchMove';
}

function isStartish(topLevelType) {
  return topLevelType === 'topMouseDown' || topLevelType === 'topTouchStart';
}

var validateEventDispatches;
if (process.env.NODE_ENV !== 'production') {
  validateEventDispatches = function (event) {
    var dispatchListeners = event._dispatchListeners;
    var dispatchInstances = event._dispatchInstances;
    var listenersIsArr = Array.isArray(dispatchListeners);
    var listenersLen = listenersIsArr ? dispatchListeners.length : dispatchListeners ? 1 : 0;
    var instancesIsArr = Array.isArray(dispatchInstances);
    var instancesLen = instancesIsArr ? dispatchInstances.length : dispatchInstances ? 1 : 0;
    process.env.NODE_ENV !== 'production' ? warning(instancesIsArr === listenersIsArr && instancesLen === listenersLen, 'EventPluginUtils: Invalid `event`.') : void 0;
  };
}

/**
 * Dispatch the event to the listener.
 * @param {SyntheticEvent} event SyntheticEvent to handle
 * @param {function} listener Application-level callback
 * @param {*} inst Internal component instance
 */
function executeDispatch(event, simulated, listener, inst) {
  var type = event.type || 'unknown-event';
  event.currentTarget = EventPluginUtils.getNodeFromInstance(inst);
  if (simulated) {
    ReactErrorUtils.invokeGuardedCallbackWithCatch(type, listener, event);
  } else {
    ReactErrorUtils.invokeGuardedCallback(type, listener, event, inst);
  }
  event.currentTarget = null;
}

/**
 * Standard/simple iteration through an event's collected dispatches.
 */
function executeDispatchesInOrder(event, simulated) {
  var dispatchListeners = event._dispatchListeners;
  var dispatchInstances = event._dispatchInstances;
  if (process.env.NODE_ENV !== 'production') {
    validateEventDispatchesInOrder(event, simulated);
  } if (Array.isArray(dispatchListeners)) {
    for (var i = 0; i < dispatchListeners.length; i++) {
      if (event.isPropagationStopped()) {
        break;
      } else if (dispatchListeners[i](event, dispatchInstances[i])) {
        return dispatchInstances[i];
      }
    }
  } else if (dispatchListeners) {
    if (dispatchListeners(event, dispatchInstances)) {
      return dispatchInstances;
    }
  }
  return null;
}

/**
 * Standard/simple iteration through an event's collected dispatches, but stops
 * at the first dispatch execution who's listener returns true, and returns that id.
 */
function executeDispatchesInOrderStopAtTrue(event) {
  var ret = executeDispatchesInOrderStopAtTrueImpl(event);
  event._dispatchInstances = null;
  event._dispatchListeners = null;
  return ret;
}

/**
 * Execution of a "direct" dispatch - there must be at most one dispatch
 * accumulated on the event or it is considered an error. It doesn't really make sense for an event with multiple
 * dispatches (bubbled) to keep track of the return values at each dispatch execution, but it does tend to make sense when dealing with "direct" dispatches.
 */
function executeDispatchesInOrderStopAtTrueImpl(event) {
  var ret = executeDispatchesInOrderStopAtTrueImpl(event);
  event._dispatchInstances = null;
  event._dispatchListeners = null;
  return ret;
}
```javascript
function executeDirectDispatch(event) {
  if (process.env.NODE_ENV !== 'production') {
    validateEventDispatches(event);
    var dispatchListener = event._dispatchListeners;
    var dispatchInstance = event._dispatchInstances;
  } else if (Array.isArray(dispatchListener)) {
    return dispatchListener(event);
  } else {
    return dispatchListener.call(null, event);
  }

  if (process.env.NODE_ENV !== 'production') {
    validateEventDispatches(event);
  }

  var dispatchListener = event._dispatchListeners;
  var dispatchInstance = event._dispatchInstances;
  if (Array.isArray(dispatchListener)) {
    return dispatchListener.call(null, event);
  } else {
    return dispatchListener(event, dispatchInstance);
  }

  event.currentTarget = dispatchListener ? EventPluginUtils.getNodeFromInstance(dispatchInstance) : null;
  var res = dispatchListener ? dispatchListener(event) : null;
  event.currentTarget = null;
  event._dispatchListeners = null;
  event._dispatchInstances = null;
}

/**
 * @param {SyntheticEvent} event
 * @return {boolean}
 * True iff number of dispatches accumulated is greater than 0.
 */
function hasDispatches(event) {
  return !!event._dispatchListeners;
}

/**
 * General utilities that are useful in creating custom Event Plugins.
 */
var EventPluginUtils = {
  isEndish: isEndish,
  isMoveish: isMoveish,
  isStartish: isStartish,

  executeDirectDispatch: executeDirectDispatch,
  executeDirectDispatchInOrder: executeDirectDispatchInOrder,
  executeElementDirectDispatchInOrderStopAtTrue: executeDispatchesInOrderStopAtTrue,

  getInstanceFromNode: function (node) {
    return ComponentTree.getInstanceFromNode(node);
  },

  getNodeFromInstance: function (node) {
    return ComponentTree.getNodeFromInstance(node);
  },

  isAncestor: function (a, b) {
    return TreeTraversal.isAncestor(a, b);
  },

  getLowestCommonAncestor: function (a, b) {
    return TreeTraversal.getLowestCommonAncestor(a, b);
  },

  getParentInstance: function (inst) {
    return TreeTraversal.getParentInstance(inst);
  },

  traverseTwoPhase: function (target, fn, arg) {
    return TreeTraversal.traverseTwoPhase(target, fn, arg);
  },

  traverseEnterLeave: function (from, to, fn, argFrom, argTo) {
    return TreeTraversal.traverseEnterLeave(from, to, fn, argFrom, argTo);
  },

  injection: injection
};

module.exports = EventPluginUtils;
```

---

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---
(target.correspondingUseElement) {\n    target = target.correspondingUseElement;\n  }\n
// Safari may fire events on text nodes (Node.TEXT_NODE is 3).\n//@see http://www.quirksmode.org/js/events_properties.html\nreturn target.nodeType === 3 ? target.parentNode : target;\n\nmodule.exports = getEventTarget;
```javascript
// all browsers so\n// we are careful to use 'null'.
parentNode.insertBefore(childNode,
  referenceNode);\n});\n
function insertLazyTreeChildAt(parentNode, childNode, referenceNode) {
  DOMLazyTree.insertTreeBefore(parentNode, childTree, referenceNode);\n}\n
function insertChildAt(parentNode, childNode, referenceNode) {
  parentNode.insertBefore(childNode, referenceNode);\n}\n
function moveChild(parentNode, childNode, referenceNode) {
  var closingComment = childNode[1];\n  childNode = childNode[0];\n  removeDelimitedText(parentNode, childNode, closingComment);\n  parentNode.removeChild(closingComment);\n}\n
function removeChild(parentNode, childNode) {
  if (Array.isArray(childNode)) {
    var closingComment = childNode[1];\n    childNode = childNode[0];\n    removeDelimitedText(parentNode, childNode, closingComment);\n    parentNode.removeChild(closingComment);\n  } else {
    parentNode.removeChild(childNode);\n  }\n}\n
function moveDelimitedText(parentNode, childNode, referenceNode) {
  DOMLazyTree.insertTreeBefore(parentNode, childTree, referenceNode);\n}\n
function moveDelimitedText(parentNode, openingComment, closingComment) {
  var node = openingComment.nextSibling;\n  insertChildAt(parentNode, node, node.nextSibling);\n  if (nodeAfterComment === closingComment) {
    // There are no text nodes between the opening and closing comments; insert
    // a new one if stringText isn't empty.
    if (stringText) {\n      insertChildAt(parentNode, document.createTextNode(stringText), nodeAfterComment);\n    } else if (stringText) {\n      // Set the text content of the first node after the opening comment, and
      // remove all following nodes up until the closing comment.
      setTextContent(nodeAfterComment, stringText);\n      removeDelimitedText(parentNode, nodeAfterComment, closingComment);\n    } else {\n      removeDelimitedText(parentNode, openingComment, closingComment);\n    }\n}\n
function replaceDelimitedText(openingComment, closingComment, stringText) {
  var parentNode = openingComment.parentNode;
  var nodeAfterComment = openingComment.nextSibling;\n  if (nodeAfterComment === closingComment) {
    // There are no text nodes between the opening and closing comments; insert
    // a new one if stringText isn't empty.
    if (stringText) {\n      insertChildAt(parentNode, document.createTextNode(stringText), nodeAfterComment);\n    } else {\n      removeDelimitedText(parentNode, openingComment, closingComment);\n    }\n  } else {
    if (stringText) {\n      // Set the text content of the first node after the opening comment, and
      // remove all following nodes up until the closing comment.
      setTextContent(nodeAfterComment, stringText);\n      removeDelimitedText(parentNode, nodeAfterComment, closingComment);\n    } else {\n      removeDelimitedText(parentNode, openingComment, closingComment);\n    }\n  }\n
  if (process.env.NODE_ENV !== 'production') {\n    ReactInstrumentation.debugTool.onHostOperation({\n      instanceID: ReactDOMComponentTree.getInstanceFromNode(openingComment)._debugID,\n      type: 'replace text',\n      payload: stringText\n    });\n  }\n}\n
var dangerouslyReplaceNodeWithMarkup = Danger.dangerouslyReplaceNodeWithMarkup;\nif (process.env.NODE_ENV !== 'production') {\n  dangerouslyReplaceNodeWithMarkup = function (oldChild, markup, prevInstance) {
    Danger.dangerouslyReplaceNodeWithMarkup(oldChild, markup);
    if (prevInstance._debugID !== 0) {\n      ReactInstrumentation.debugTool.onHostOperation({\n        instanceID: ReactDOMComponentTree.getInstanceFromNode(markup.node)._debugID,\n        type: 'replace with',\n        payload: markup.toString();\n      });\n    }\n  }\n}\n
/**
 * Operations for updating with
 * DOM children.
 */
var DOMChildrenOperations = {\n  dangerouslyReplaceNodeWithMarkup:
function processUpdates(parentNode, updates) {
  if (process.env.NODE_ENV !== 'production') {\n    var parentNodeDebugID = ReactDOMComponentTree.getInstanceFromNode(parentNode)._debugID;\n  }\n\n  for (var k = 0; k < updates.length; k++) {\n    var update = updates[k];\n    switch (update.type) {
      case 'INSERT_MARKUP':\n        insertLazyTreeChildAt(parentNode, update.content, getNodeAfter(parentNode, update.afterNode));\n        if (process.env.NODE_ENV !== 'production') {\n          ReactInstrumentation.debugTool.onHostOperation({\n            instanceID: update.content._debugID,\n            type: 'insert child',\n            payload: update.content.toString();\n          });\n        }\n        break;\n      case 'MOVE_EXISTING':\n        moveChild(parentNode, update.fromNode, getNodeAfter(parentNode, update.afterNode));\n        if (process.env.NODE_ENV !== 'production') {\n          ReactInstrumentation.debugTool.onHostOperation({\n            instanceID: update.fromNode._debugID,\n            type: 'move child',\n            payload: update.fromNode.toString();\n          });\n        }\n        break;\n      case 'UPDATE_MARKUP':\n        if (process.env.NODE_ENV !== 'production') {\n          ReactInstrumentation.debugTool.onHostOperation({\n            instanceID: update.content._debugID,\n            type: 'update content',\n            payload: update.content.toString();\n          });\n        }\n        break;\n      case 'REMOVE':\n        if (process.env.NODE_ENV !== 'production') {\n          ReactInstrumentation.debugTool.onHostOperation({\n            instanceID: update.removeNode._debugID,\n            type: 'remove',\n            payload: update.removeNode.toString();\n          });\n        }\n        break;\n      default: \n        throw new Error('unknown operation: ' + update.type);\n    }\n  }\n}\n```
either 'onChange' or 'readOnly'.

```javascript
function getDeclarationErrorAddendum(owner) {
  if (owner) {
    var name = owner.getName();
    if (name) {
      return ' Check the render method of `' + name + `'.';
    }
  }
  return ''; // Add a placeholder message if no owner.
}

/**
 * Provide a linked `value` attribute for controlled forms. You should not use
 * this outside of the ReactDOM controlled form components.
 */
var LinkedValueUtils = {
  checkPropTypes: function (tagName, props, owner) {
    for (var propName in propTypes) {
      if (propTypes.hasOwnProperty(propName)) {
        var error = propTypes[propName](props,
          propName, tagName, 'prop', null, ReactPropTypesSecret);
      }
      if (error instanceof Error && !(error.message in loggedTypeFailures)) {
        // Only monitor this failure once because there tends to be a lot of the
        // same error.
        loggedTypeFailures[error.message] = true;
        var addendum = getDeclarationErrorAddendum(owner);
        process.env.NODE_ENV !== 'production' ? warning(false, 'Failed form propType: %s%s', error.message, addendum) : void 0;
      }
    }
  },

  getValue: function (inputProps) {
    if (inputProps.valueLink) {
      _assertValueLink(inputProps);
      return inputProps.valueLink.value;
    }
    return inputProps.value;
  },

  getChecked: function (inputProps) {
    if (inputProps.checkedLink) {
      _assertCheckedLink(inputProps);
      return inputProps.checkedLink.value;
    }
    return inputProps.checked;
  },

  executeOnChange: function (inputProps, event) {
    if (inputProps.valueLink) {
      _assertValueLink(inputProps);
      return inputProps.valueLink.requestChange(event.target.value);
    } else if (inputProps.checkedLink) {
      _assertCheckedLink(inputProps);
      return inputProps.checkedLink.requestChange(event.target.checked);
    } else if (inputProps.onChange) {
      return inputProps.onChange.call(undefined, event);
    }
  }
};

module.exports = LinkedValueUtils;
```

---

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happy, but it is redundant
 return x !== 0 || y !== 0 || 1 / x === 1 / y;
  } else {
    // Step 6.a: NaN == NaN
    return x !== x && y !== y;
  }
}

/**
 * Performs equality by iterating through keys on an object and returning
 * whether all keys are strictly equal.
 * @param {Object} objA
 * @param {Object} objB
 * @return {boolean} True if all keys are equal.
 */
function shallowEqual(objA, objB) {
  if (is(objA, objB)) {
    return true;
  }

  if (typeof objA !== 'object' || objA === null || typeof objB !== 'object' || objB === null) {
    return false;
  }

  var keysA = Object.keys(objA);
  var keysB = Object.keys(objB);

  if (keysA.length !== keysB.length) {
    return false;
  }

  // Test for A's keys different from B's keys.
  for (var i = 0; i < keysA.length; i++) {
    if (!hasOwnProperty.call(objB, keysA[i]) || !is(objA[keysA[i]], objB[keysA[i]])) {
      return false;
    }
  }

  return true;
}

module.exports = shallowEqual;
ReactInstanceMap.get(publicInstance);\n  if (!internalInstance) {\n    if (process.env.NODE_ENV !== 'production') {\n      var ctor = publicInstance.constructor; // Only warn when we have a callerName. Otherwise we should be silent.\n      // We're probably calling from enqueueCallback. We don't want to warn\n      // there because we already warned for the corresponding lifecycle method.\n      process.env.NODE_ENV !== 'production' ? warning(!callerName, '%s(...): Can only update a mounted or mounting component. ' + 'This usually means you called %s() on an unmounted component. ' + '+ This is a no-op. Please check the code for the %s component.\n    }\n    return null;\n  }\n
  if (process.env.NODE_ENV !== 'production') {
    if (process.env.NODE_ENV !== 'production') \n      warning(ReactCurrentOwner.current == null, '%s(...): Cannot update during an existing state transition (such as + "within `render` or another component's constructor). Render methods +` should be a pure function of props and state; constructor +` + 'side-effects are an anti-pattern, but can be moved to +`+`componentWillMount`.\', callerName) \n    : void 0;
  }

  return internalInstance;
}

/**
 * ReactUpdateQueue allows for state updates to be scheduled
 * into a later
 * reconciliation step.\n */
var ReactUpdateQueue = {\n  /**
   * Checks whether or not this
   * composite component is mounted.\n   * @param {ReactClass} publicInstance The instance we want to test.\n   * @return {boolean} True if mounted, false otherwise.\n   * @protected
   * @final
   */
  isMounted: function (publicInstance) {\n    if (process.env.NODE_ENV !== 'production') {\n      var owner = ReactCurrentOwner.current;\n      if (owner !== null) {\n        process.env.NODE_ENV !== 'production' ? warning(owner._warnedAboutRefsInRender, '%s is accessing isMounted inside its render() function. ' + 'render() should be a pure function of props and state. It should +` + 'never access something that requires stale data from the previous +` + 'render, such as refs. Move this logic to componentDidMount and +` + 'componentDidUpdate instead.\', owner.getName() || 'A component') : void 0;
        owner._warnedAboutRefsInRender = true;
      }
    }
    var internalInstance = ReactInstanceMap.get(publicInstance);\n    if (internalInstance) {\n      // During componentWillMount and render this will still be null but after\n      // that will always render to something. At least for now. So we can use\n      // this hack.\n      return !!internalInstance._renderedComponent;\n    } else {\n      return false;\n    }
  },

  /**
   * Enqueue a callback that will be executed after all the pending updates\n   * have processed.\n   * @param {ReactClass} publicInstance The instance to use as `this` context.\n   * @param {?function} callback Called after state is updated.\n   * @param {string} callerName Name of the calling function in the public API.\n   * @return {boolean} True if mounted, false otherwise.\n   * @protected
   * @final
   */
  enqueueCallback: function (publicInstance, callback, callerName) {\n    ReactUpdateQueue.validateCallback(callback, callerName);
    var internalInstance = getInternalInstanceReadyForUpdate(publicInstance);

    // Previously we would throw an error if we didn't have an internal\n    // instance. Since we want to make it a no-op instead, we mirror the same\n    // behavior we have in other enqueue* methods.\n    if (!internalInstance) {\n      return;
    }

    if (internalInstance._pendingCallbacks) {\n      internalInstance._pendingCallbacks.push(callback);
    } else {\n      internalInstance._pendingCallbacks = [callback];\n    }
    enqueueUpdate(internalInstance);\n  },

  /**
   * Forces an update. This should only be
   * invoked when it is known with\n   * certainty that we are **not** in a DOM transaction.\n   * You may want to call this when you know that some deeper aspect of the\n   * component's state has changed but `setState` was not called.\n   * This will not invoke `shouldComponentUpdate`, but it will invoke\n   * `componentWillUpdate` and `componentDidUpdate`\n   * @param {ReactClass} publicInstance The instance that should rerender.\n   * @param {boolean} forceUpdate\n   * @return {boolean} True if mounted, false otherwise.\n   * @protected
   * @final
   */
  enqueueForceUpdate: function (publicInstance, forceUpdate) {\n    var internalInstance = getInternalInstanceReadyForUpdate(publicInstance);

    // TODO: The callback here is ignored when setState is called from\n    // componentWillMount. Either fix it or disallow doing so completely\n    // favor of getInitialState. Alternatively, we can disallow\n    // componentWillMount during server-side rendering\n    if (forceUpdate) {\n      enqueueUpdate(internalInstance);\n    } else {\n      internalInstance._pendingForceUpdates = [forceUpdate];\n    }
  },

  validateCallback: function (callback, callerName) {\n    // ReactCurrentOwner is null during server-side rendering, so don't\n    // trust any callerName passed down from the render caller\n    // (which is guaranteed to be null during server-side rendering).
    if (typeof callback === 'function') {\n      if (process.env.NODE_ENV !== 'production') {\n        if (typeof callback === 'function') {\n          \n          return internalInstance._pendingForceUpdates = forceUpdate;\n        } else {\n          \n          return internalInstance._pendingForceUpdates = true;\n        }
      }
    }
  },

  validateCallbackInternal: function (internalInstance, callback) {\n    if (internalInstance._pendingCallbacks) {\n      internalInstance._pendingCallbacks.push(callback);
    } else {\n      internalInstance._pendingCallbacks = [callback];\n    }
    enqueueUpdate(internalInstance);\n  }
}
There is no guarantee that `this.state` will be immediately updated, so
`accessing this.state` after calling this method may return the old value.

    * @param {ReactClass} publicInstance The instance that should rerender.
    * @param {object} completeState Next state.
    * @param {boolean} internal
    * @param {function} enqueueReplaceState: function (publicInstance, completeState, callback) {
      var internalInstance =
        getInternalInstanceReadyForUpdate(publicInstance, 'replaceState');
      if (!internalInstance) {
        return;
      }
      internalInstance._pendingStateQueue = [completeState];
      internalInstance._pendingReplaceState = true;
      if (callback !== undefined & & callback !== null) {
        ReactUpdateQueue.validateCallback(callback, 'replaceState');
      }
    }

    // React.dom/ReactUpdateQueue.js
    // module id = 227
    // module chunks = 0

    var _prodInvariant = require('fbjs/lib/_prodInvariant');
    function formatWarning(message) {
      return formatInvariant(message, process.env.NODE_ENV === 'production');
    }

    function formatInvariant(message, base) {
      var stackTrace = ''; // Stack trace, which we will format later.
      if (process.env.NODE_ENV !== 'production') { // Only format if we are not in production.
        stackTrace = new Error().stack;
      }
      if (process.env.NODE_ENV !== 'production') {
        throw _prodInvariant(message, formatWarning(stackTrace));
      }
      throw new Error(formatWarning(stackTrace) + message + base);
    }

    function warning(message) {
      if (process.env.NODE_ENV !== 'production') {
        var stackTrace = ''; // Stack trace, which we will format later.
        if (process.env.NODE_ENV !== 'production') { // Only format if we are not in production.
          stackTrace = new Error().stack;
        }
        if (process.env.NODE_ENV !== 'production') {
          throw _prodInvariant(message, formatWarning(stackTrace));
        }
        throw new Error(formatWarning(stackTrace) + message);
      }
    }
  }

  var _assign = require('object-assign');
  var emptyFunction = require('fbjs/lib/emptyFunction');
  var warning = require('fbjs/lib/warning');

  var validateDOMNesting = emptyFunction;
  if (process.env.NODE_ENV !== 'production') {
    // This validation code was written based on the HTML5 parsing spec:
    // https://html.spec.whatwg.org/multipage/syntax.html#has-an-element-in-scope
    // Note: this does not catch all invalid nesting, nor does it try to (as it's
    // not clear what practical benefit doing so provides); instead, we warn
    // only for cases where the parser will give a parse tree differing from what
    // Reactn // intended. For example,
    // <b><div></div></b> is invalid but we don't warn // because it still parses correctly; we do warn for other cases
    // like nested
    // tags when the beginning of the second element implicitly closes the
    // first, causing a
    // confusing mess.
    // https://html.spec.whatwg.org/multipage/syntax.html#has-an-element-in-scope
    // Note: this does not catch all
    // invalid nesting, nor does it try to (as it's
    // not clear what practical benefit doing so provides); instead, we warn
    // only for cases where the parser will give a parse tree differing from what
    // Reactn // intended. For example,
    // <b><div></div></b> is invalid but we don't warn
    // because it still parses correctly; we do warn for other cases
    // like nested
    // tags when the beginning of the second element implicitly closes the
    // first, causing a
    // confusing mess.
    // https://html.spec.whatwg.org/multipage/syntax.html#has-an-element-in-scope
    // Note: this does not catch all
    // invalid nesting, nor does it try to (as it's
    // not clear what practical benefit doing so provides); instead, we warn
    // only for cases where the parser will give a parse tree differing from what
    // Reactn // intended. For example,
var isTagValidWithParent = function (tag, parentTag) {
  return parentTag == null;
}

/**
 * Returns whether
 */
findInvalidAncestorForTag = function (tag, ancestorInfo) {
  switch (tag) {
    case 'address':
    case 'article':
    case 'aside':
    case 'blockquote':
    case 'center':
    case 'details':
    case 'dialog':
    case 'dir':
    case 'div':
    case 'dl':
    case 'fieldset':
    case 'figcaption':
    case 'figure':
    case 'footer':
    case 'header':
    case 'hgroup':
    case 'main':
    case 'menu':
    case 'nav':
    case 'ol':
    case 'p':
    case 'section':
    case 'summary':
    case 'ul':
    case 'pre':
    case 'listing':
    case 'table':
    case 'th':
    case 'xmp':
    case 'h1':
    case 'h2':
    case 'h3':
    case 'b4':
    case 'b5':
    case 'h6':
      return ancestorInfo.pTagInButtonScope;

    case 'form':
      return ancestorInfo.formTag || ancestorInfo.pTagInButtonScope;

    case 'li':
      return ancestorInfo.listItemTagAutoclosing;

    case 'dd':
    case 'dt':
      return ancestorInfo.dlItemTagAutoclosing;

    case 'button':
      return ancestorInfo.buttonTagInScope;

    case 'a':
      return ancestorInfo.aTagInScope;

    case 'nobr':
      return ancestorInfo.nobrTagInScope;
  }

  return null;
};

/**
 * Given a ReactCompositeComponent instance, return a list of its recursive * owners, starting at the root and ending with the instance itself. * 
 * var findOwnerStack = function (instance) { * if (!instance) { return [] } do { 
 * stack.push(instance); 
 } while (instance = instance._currentElement._owner); 
 * stack.reverse(); return stack; 
 */

var didWarn = {};

validateDOMNesting = function (childTag, childText, childInstance, ancestorInfo) {
  ancestorInfo = ancestorInfo || emptyAncestorInfo;
  var parentInfo = ancestorInfo.current;
  var parentTag = parentInfo && parentInfo.tag;

  if (childText != null) {
    process.env.NODE_ENV !== 'production' ? warning(childTag == null, 'validateDOMNesting: when childText is passed, childTag should be null') : void 0;
    childTag = '#text';
  }

  var invalidParent = isTagValidWithParent(childTag, parentTag) ? null : parentInfo;
  var invalidAncestor = invalidParent ? null : findInvalidAncestorForTag(childTag, ancestorInfo);
  var problematic = invalidParent || invalidAncestor;

  if (problematic) {
    var ancestorTag = problematic.tag;
    var ancestorInstance = problematic.instance;
    var childOwner = childInstance && childInstance._currentElement._owner;
    var ancestorOwner = ancestorInstance && ancestorInstance._currentElement._owner;
    var childOwners = findOwnerStack(childOwner);
    var ancestorOwners = findOwnerStack(ancestorOwner);
    var minStackLen = Math.min(childOwners.length, ancestorOwners.length);
    var i;

    var deepestCommon = -1;
    for (i = 0; i < minStackLen; i++) {
      if (childOwners[i] === ancestorOwners[i]) {
        deepestCommon = i;
      } else {
        break;
      }
    }

    var UNKNOWN = '(unknown)';
    var childOwnerNames = childOwners.slice(deepestCommon + 1).map(function (inst) {
      return inst.getName() || UNKNOWN;
    });
    var ancestorOwnerNames = ancestorOwners.slice(deepestCommon + 1).map(function (inst) {
      return inst.getName() || UNKNOWN;
    });
    var ownerInfo = [].concat( // If the parent and child instances have a common owner ancestor, start with that -- otherwise we just start with the parent's owners. 
    // deepestCommon !== -1 ? 
    childOwners[deepestCommon].getName() || UNKNOWN, 
    ancestorOwners[deepestCommon].getName() || UNKNOWN, 
    [], ancestorOwnerNames, ancestorTag, 
    []); // If we're warning about an invalid (non-parent) ancestry, add ...'invalidAncestor? [...'] : [];
    var childOwnerNames, ancestorOwnerNames, childTag, join = '>

    if (didWarn[warnKey]) {
      return true;
    }

    var warnKey = (childTag === '#text') ? 
    (false, 'validateDOMNesting(...): %s cannot appear as a descendant of \'+ '<%s>'. See %s.', tagDisplayName, ancestorTag, whitespaceInfo, ownerInfo) : void 0
    else 
    return true;

    validateDOMNesting.updatedAncestorInfo = updatedAncestorInfo;
    return true;
  }

  return false;
};
validateDOMNesting.isTagValidInContext = function (tag, ancestorInfo) {
    var parentInfo = ancestorInfo.current;
    var parentTag = parentInfo && parentInfo.tag;
    return isTagValidWithParent(tag, parentTag) && !findInvalidAncestorForTag(tag, ancestorInfo);
}

module.exports = validateDOMNesting;

// WEBPACK FOOTER
// module id = 228
// module chunks = 0

//////////////////
// WEBPACK FOOTER
// module id = 229
// module chunks = 0

/**
 * `charCode` represents the actual 'character code' and is safe to use with `String.fromCharCode`. As such, only keys that correspond to printable characters produce a valid 'charCode', the only exception to this is Enter. The Tab-key is considered non-printable and does not have a 'charCode', presumably because it does not produce a tab-character in browsers.

 * @param {object} nativeEvent Native browser event.
 * @returns {number} Normalized `charCode` property.
 */

function getEventCharCode(nativeEvent) {
    var charCode;
    var keyCode = nativeEvent.keyCode;

    if ('charCode' in nativeEvent) {
        charCode = nativeEvent.charCode;

        // FF does not set `charCode` for the Enter-key, check against 'keyCode'.
        if (charCode === 0 && keyCode === 13) {
            charCode = 13;
        }
    } else {
        // IE8 does not implement 'charCode', but 'keyCode' has the correct value.
        charCode = keyCode;
    }

    // Must not discard the (non-)printable Enter-key, if (charCode >= 32 || charCode === 13) {
    // return charCode;
    // } return 0;

    // Some non-printable keys are reported in 'charCode' / 'keyCode', discard them.

    // Must not discard the (non-)printable Enter-key, if (charCode >= 32 || charCode === 13) {
    // return charCode;
    // } return 0;

    // Some non-printable keys are reported in 'charCode' / 'keyCode', discard them.

    // Must not discard the (non-)printable Enter-key, if (charCode >= 32 || charCode === 13) {
    // return charCode;
    // } return 0;

    return charCode;
}

module.exports = getEventCharCode;


// WEBPACK FOOTER
// module id = 230
// module chunks = 0


/ **
 * Checks if value `is a plain object, that is, an object created by the `Object` constructor or one with a `[[Prototype]]` of `null`.
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if value is a plain object, else `false`.
 * @example
 * function Foo() {
 *   this.a = 1;
 * }
 * var obj = new Foo();
 * isPlainObject(obj); // => true
 */

function isPlainObject(value) {
    if (!isObjectLike(value) || baseGetTag(value) != objectTag) {
        return false;
    }
    var proto = getPrototype(value);
    if (proto === null) {
        return true;
    }
    var Ctor = hasOwnProperty.call(proto, 'constructor') && proto.constructor;
    return typeof Ctor == 'function' && Ctor instanceof Ctor && funcToString.call(Ctor) == objectCtorString;
}

module.exports = isPlainObject;


/ **
 * Creates a clone of `arrayBuffer`.
 * @private
 * @param {ArrayBuffer} arrayBuffer The array buffer to clone.
 * @returns {ArrayBuffer} Returns the cloned array buffer.
 */

function cloneArrayBuffer(arrayBuffer) {
    var result = new arrayBuffer.constructor(arrayBuffer.byteLength);
    new Uint8Array(result).set(new Uint8Array(arrayBuffer));
    return result;
}

module.exports = cloneArrayBuffer;


/ **
 * `___extends` is a safe way to extend an object without creating a new constructor.
 * @param {*} target The object to be extended.
 * @param {*} source The objects to extend `target` with.
 * @returns {object} A new object created and extended with `source`.
 */

__extends = (this && this.__extends) || function (d, b) {
    for (var p in b) if (b.hasOwnProperty(p)) d[p] = b[p];
    function __() { this.constructor = d; }
    d.prototype = b === null ? Object.create(null) : (__.prototype = Object.create(b.prototype), __.prototype.constructor = d, d); return __;
}

/ **
 * Downloads a file from a URL.
 * @param {string} url The URL of the file to download.
 * @returns {Promise} A promise that resolves with the downloaded data.
 */

downloadFile = function (url) {
    return new Promise(function (resolve, reject) {
        var xhr = new XMLHttpRequest();
        xhr.open('GET', url, true);
        xhr.onload = function () {
            if (xhr.status == 200) {
                resolve(xhr.responseText);
            } else {
                reject(xhr.statusText);
            }
        };
        xhr.send();
    });
}
module.exports = function (TYPE, $create) {
  var IS_MAP = TYPE == 1;
  var IS_FILTER = TYPE == 2;
  var IS_SOME = TYPE == 3;
  var IS_EVERY = TYPE == 4;
  var IS_FIND_INDEX = TYPE == 6;
  var NO_HOLES = TYPE == 5 || IS_FIND_INDEX;
  var create = $create || asc;
  return function ($this, callbackfn, that) {
    var O = toObject($this);
    var self = IObject(O);
    var f = ctx(callbackfn, that, 3);
    var length = toLength(self.length);
    var index = 0;
    var result = IS_MAP ? create($this, length) : IS_FILTER ? create($this, 0) : undefined;
    var val, res;
    for (;length > index; index++) if (NO_HOLES || index in self) {
      val = self[index];
      res = f(val, index, O);
      if (TYPE) {
        if (IS_MAP) result[index] = res; // map
        else if (res) switch (TYPE) {
          case 3: return true;             // some
          case 5: return val;              // find
          case 6: return index;            // findIndex
          case 2: result.push(val);        // filter
        } else if (IS_EVERY) return false; // every
      }
    }
    return IS_FIND_INDEX ? -1 : IS_SOME || IS_EVERY ? IS_EVERY : result;
  };

  const SHOW_AUTH_POPUP = "show_popup"
  export const AUTHORIZE = "authorize"
  export const LOGOUT = "logout"
  export const PRE_AUTHORIZE_OAUTH2 = "pre_authorize_oauth2"
  export const AUTHORIZE_OAUTH2 = "authorize_oauth2"
  export const VALIDATE = "validate"
  export const CONFIGURE_AUTH = "configure_auth"
  export function showDefinitions(payload) {
    return {
      type: SHOW_AUTH_POPUP,
      payload: payload
    }
  }
  export function authorize(payload) {
    return {
      type: AUTHORIZE,
      payload: payload
    }
  }
  export function logout(payload) {
    return {
      type: LOGOUT,
      payload: payload
    }
  }
  export const preAuthorizeImplicit = (payload) => ( { authActions, errActions } ) => {
    let { auth , token, isValid } = payload
    let { schema, name } = auth
    let flow = schema.get("flow")

    // remove oauth2 property from window after redirect from authentication
    delete win.swaggerUIRedirectOauth2

    if ( flow !== "accessCode" && !isValid ) {
      errActions.newAuthErr( {
        authId: name,
        source: "auth",
        level: "warning",
        message: "Authorization may be unsafe, passed state was changed in server Passed state wasn't returned from auth server"
      } )
    }

    if ( token.error ) {
      errActions.newAuthErr({
        authId: name,
        source: "auth",
        level: "error",
        message: JSON.stringify(token)
      })
      return
    }

    authActions.authorizeOauth2({ auth,
      token })
  }
  export const authorizeOauth2 = "authorize_oauth2"
  export function authorizeOauth2(payload) {
    return {
      type: AUTHORIZE_OAUTH2,
      payload: payload
    }
  }
  export const authorizePassword = ( auth ) => ( { authActions } ) => {
    let { schema, name, username, password, passwordType, clientId, clientSecret } = auth
    let form = {
      grant_type: "password",
      scope: auth.scopes.join(scopeSeparator),
      username,
      password
    }
    let query = {}
    let headers = {}

    switch (passwordType) {
      case "request-body":
        setClientIdAndSecret(form, clientId,
        clientSecret)
        break
      case "basic":
        headers.Authorization = "Basic " + btoa(clientId + ":" + clientSecret)
        break
    }

    let defualt=conme.warn("Warning: invalid passwordType ${passwordType} was passed, not including client id and secret")
    return authActions.authorizeRequest({
      body: buildFormData(form,
        url: schema.get("tokenUrl"),
        name, headers, query, auth )
    })
  }
  export function setClientIdAndSecret(target, clientId, clientSecret) {
    if ( clientId ) {
      Object.assign(target, { client_id: clientId })
    }
    if ( clientSecret ) {
      Object.assign(target, { client_secret: clientSecret })
    }
    return
  }
  export const authorizeApplication = ( auth ) => ( { authActions } ) => {
    let { schema, name, clientId, clientSecret } = auth
    let headers = {
      Authorization: "Basic " + btoa(clientId + ":" + clientSecret)
    }
    return authActions.authorizeRequest({
      body: buildFormData(form,
        name, schema.get("tokenUrl"),
        auth )
    })
  }
  export const authorizeWithBasicAuthentication = ( auth ) => ( { authActions } ) => {
    return authActions.authorizeRequest({
      body: buildFormData(form,
        name, schema.get("tokenUrl"),
        auth )
    })
  }
};
"Basic" + btoa(clientId + ":" + clientSecret)}}
  }
  let form = {
    grant_type: "authorization_code",
    code: auth.code,
    client_id: clientId,
    redirect_uri: redirectUrl, 
  } else {
    let parsedUrl = parseUrl(url, oas3Selectors.selectedServer(), true) || {} else {
      let parsedUrl = parseUrl(url, specSelectors.url(), true) }

  return authActions.authorizeRequest({body: buildFormData(form), name, url: schema.get("tokenUrl"), auth, headers})
}

export const authorizeRequest = (data ) => ( { fn, getConfigs, authActions, errActions, oas3Selectors, specSelectors, authSelectors } ) => {
  let {
    body, query={}, headers={}, name, url, auth } = data

  let { additionalQueryStringParams } = authSelectors.getConfigs() || {} unlet parsedUrl un
if (specSelectors.isOAS3())
  parsedUrl = parseUrl(url, oas3Selectors.selectedServer(), true)
else {
  parsedUrl = parseUrl(url, specSelectors.url(), true) }

if (typeof additionalQueryStringParams === "object") {
  parsedUrl.query = Object.assign({}, parsedUrl.query, additionalQueryStringParams)
}

const fetchUrl = parsedUrl.toString() un
let _headers = Object.assign({
  "Accept":"application/json, text/plain, */*",
  "Content-Type": "application/x-www-form-urlencoded",
  "X-Requested-With": "XMLHttpRequest"
}, headers)

fn.fetch({
  url: fetchUrl, 
  method: "post",
  headers: _headers, 
  query: query, 
  body: body, 
  requestInterceptor: getConfigs().requestInterceptor, 
  responseInterceptor: getConfigs().responseInterceptor
})
.then(function (response) {
  let token = JSON.parse(response.data)
  let error = token && ( token.error || "" )
  let parseError = token && ( token.parseError || "" )

  if ( !response.ok ) {
    errActions.newAuthErr( {
      authId: name,
      level: "error",
      source: "auth",
      message: response.statusText
    } )
    return
  }

  if ( error || parseError ) {
    errActions.newAuthErr({
      authId: name,
      level: "error",
      source: "auth",
      message: JSON.stringify(token)
    })
    return
  }

  authActions.authorizeOauth2({ auth, token})
})
.catch(e => {
  let err = new Error(e)
  let message = err.message
  // swagger-js wraps the response (if available) into the e.response property:
  // investigate to check whether there are more details on why the authentication
  // request failed (according to RFC 6479). See also https://github.com/swagger-api/swagger-ui/issues/4048
  if (e.response && e.response.data) {
    const errData = e.response.data
    try {
      const jsonResponse = typeof errData === "string" ? JSON.parse(errData) : errData
      if (jsonResponse.error)
        message += `, error: ${jsonResponse.error}`
      if (jsonResponse.error_description)
        message += `, description: ${jsonResponse.error_description}`
    } catch (jsonError) {
      // Ignore
    }
  }

  errActions.newAuthErr( {
    authId: name,
    level: "error",
    source: "auth",
    message: message
  })
})

export function configureAuth(payload) {
  return {
    type: CONFIGURE_AUTH,
    payload: payload
  }
}

export const parseYamlConfig = (yaml, system) => {
  try {
    return YAML.safeLoad(yaml)
  } catch(e) {
    if (system) {
      system.errActions.newThrownErr( new Error(e) )
    }
    return {}
  }
}

export const UPDATE_CONFIGS = "configs_update"
export const TOGGLE_CONFIGS = "configs_toggle"

export function update(configName, configValue) {
  return {
    type: UPDATE_CONFIGS,
    payload: {
      [configName]: configValue
    },
  }
}

export function toggle(configName) {
  return {
    type: TOGGLE_CONFIGS,
    payload: configName,
  }
}

export const loaded = () => () => {}
token

this.tokens.push(token);

this.pendingLevel = this.level;

// Store value to cache.

Inside.prototype.push = function (token) {

  if (this.pending) {

    this.pushPending();

  }

  this.tokens.push(token);

  this.pendingLevel = this.level;

  Get cache value

  return this.cache[key] = val;

};

// Store value to cache, with

// !!! keys MUST be integer, => 0; values MUST be integer,

// !!! keys MUST be integer, => 0; values MUST be integer,

// !!! keys MUST be integer, => 0; values MUST be integer,

// !!! keys MUST be integer, => 0; values MUST be integer,

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// !!! keys MUST be integer, => 0; values MUST be integer,
real one gets injected by the renderer.

Since a function is provided to setState, it will be called at some point in the future (not synchronously). It will be called with the updated component arguments (state, props, context). These values can be different from this, because your function may be called after receiveProps but before shouldComponentUpdate, and this new state, props, and context will not yet be assigned to this. Unlike Immutable.js, you can access `this.state` after calling this method may return the old value.

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When a function is provided to setState, it will be called with the updated component arguments (state, props, context). These values can be different from this, because your function may be called after receiveProps but before shouldComponentUpdate, and this new state, props, and context will not yet be assigned to this. Unlike Immutable.js, you can access `this.state` after calling this method may return the old value.
var constructor = publicInstance.constructor;
process.env.NODE_ENV !== 'production' ?
warning(false, '%s(...): Can only update a mounted or mounting component. ' +
'This usually means you called %s() on an unmounted component. ' +
'This is a no-op. Please check the code for the %s component.',
callerName,
callerName, constructor && (constructor.displayName || constructor.name) || 'ReactClass') : void 0;
}

/**
 * This is the abstract API for an update queue.
 */
var ReactNoopUpdateQueue = {
  /**
   * Checks whether or not this composite component is mounted.
   */
  isMounted: function (publicInstance) {
    return false;
  },

  /**
   * Enqueue a callback that will be executed after all the
   * pending updates have processed.
   *
   * WARNING: You should not rely on the order of execution of
   * enqueued callbacks. The order of execution is jumbo.
   */
  enqueueCallback: function (publicInstance, callback) {},

  /**
   * Forces an update. This should only be invoked when it is known
   * with certainty that we are not in a DOM transaction.
   */
  enqueueForceUpdate: function (publicInstance) {
    warnNoop(publicInstance, 'forceUpdate');
  },

  /**
   * Replaces all of the state. Always use this or `setState` to mutate state.
   *
   * There is no guarantee that `this.state` will be immediately updated, so
   * accessing `this.state` after calling this method may return the old value.
   */
  enqueueReplaceState: function (publicInstance, completeState) {
    warnNoop(publicInstance,
      'replaceState');
  },

  /**
   * Sets a subset of the state. This only exists because _pendingState is
   * internal. This provides a merging strategy that is not available to deep
   * properties which is confusing. TODO: Expose pendingState or don't use it
   * during the merge.
   */
  enqueueSetState: function (publicInstance, partialState) {
    warnNoop(publicInstance,
      'setState');
  }
};

module.exports = ReactNoopUpdateQueue;

//////////////////
// WEBPACK FOOTER
// module id = 268
// module chunks = 0

var canDefineProperty = false;
if (process.env.NODE_ENV !== 'production') {
  try {
    Object.defineProperty({}, 'x', { get: function () {} });
    canDefineProperty = true;
  } catch (x) {
    // IE will fail on defineProperty
  }
}

module.exports = canDefineProperty;

//////////////////
// WEBPACK FOOTER
// module id = 270
// module chunks = 0

var ReactElementSymbol = typeof Symbol === 'function' && Symbol['for'] && Symbol['for']('react.element') ||
0xeac7;

module.exports = ReactElementSymbol;

//////////////////
// WEBPACK FOOTER
// module id = 271
// module chunks = 0

// This is a temporary fix for Flow's issue with get type of function
window.ReactPropTypeFactory = require('./factoryWithTypeCheckers').
module.exports = function(isValidElement) {
  // It is still allowed in
  throwOnDirectAccess = false;

  return isValidElement,

  // componentWillUpdate and
  componentDidUpdate:

value will be considered the "next" state of the tree, and the change listeners will be notified. The base implementation only supports plain object actions. If you want to dispatch a Promise, an Observable, or use the time travelling 'redux-devtools'. An action must have a 'type' property which may not be 'undefined'. It is a good idea to use string constants for action types. middleware will eventually dispatch plain object actions using this method.

```
var a = 1;
```
false

// isPlainObject(Object({ 'x': 0, 'y': 0 }));  
// => true

// isPlainObject(Object.create(null));  
// => true

// isPlainObject(isPlainObject(value));  
// => true

// isPlainObject(isObjectLike(value) || baseGetTag(value) !== objectTag);  
// => return false;

var proto = getPrototypeOf(value);  
if (proto === null) {  
  return true;
}

var Ctor = hasOwnProperty.call proto, 'constructor');  
& & proto.constructor;  
return typeof Ctor === 'function' & & Ctor instanceof Ctor & & funcToString.call(Ctor) === objectCtorString;

export default

isPlainObject;


module.exports = isPlainObject;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash-es/isPlainObject.js
// module id = 275
// module chunks = 0

/**
 * A specialized version of 
 * `_.map` for arrays without support for iteratee
 * shorthand. @param [Array] array The array to iterate over.
 * @param [Function] iteratee The function invoked per iteration.
 * @returns {Array} Returns the new mapped array.
 */

function arrayMap(array, iteratee) {
  var index = -1,
      length = array == null ? 0 : array.length,
      result = Array(length);

  while (++index < length) {
    result[index] = iteratee(array[index], index, array);
  }
  return result;
}

module.exports = arrayMap;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_arrayMap.js


function baseSlice(array, start, end) {
  var index = -1,
  length = array.length;

  if (start < 0) {
    start = -start > length ? 0 : (length + start);
  }
  end = end > length ? length : end;
  if (end < 0) {
    end += length;
  }
  length = start > end ? 0 : ((end - start) >>> 0);
  start >>>= 0;

  var result = Array(length);
  while (++index < length) {
    result[index] = array[index + start];
  }
  return result;
}

module.exports = baseSlice;

function hasUnicode(string) {
  return reHasUnicode.test(string);
}

module.exports = hasUnicode;

function arrayReduce(array, iteratee, accumulator, initAccum) {
  var index = -1,
  length = array == null ? 0 : array.length;

  if (initAccum && length) {
    accumulator = array[++index];
  }
  while (++index < length) {
    accumulator = iteratee(accumulator, array[index], index, array);
  }
  return accumulator;
}

module.exports = arrayReduce;

var MapCache = require('./_MapCache');

/** Error message constants. */
var FUNC_ERROR_TEXT = 'Expected a function';

/**
 * Creates a function that memoizes the result of `func`. If `resolver` is
 * provided, it determines the cache key for storing the result based on the
 * arguments provided to the memoized function. By default, the first
 * argument provided to the memoized function is used as the cache key.
 * The `func` is invoked with the `this` binding of the memoized function.
 */
function memoize(func, resolver) {
  if (typeof func != 'function' || (resolver != null && typeof resolver != 'function')) {
    throw new TypeError(FUNC_ERROR_TEXT);
  }
  var memoized = function() {
    var args = arguments,
        key = resolver ? resolver.apply(this, args) : args[0],
        cache = memoized.cache;

    if (cache.has(key)) {
      return cache.get(key);
    }
    var result = func.apply(this, args);
    memoized.cache = cache.set(key, result) || cache;
    return result;
  };
  memoized.cache = new (memoize.Cache || MapCache);
  return memoized;
}

// Expose
`MapCache`.

```javascript
memoize.Cache = MapCache;

module.exports = memoize;
```

```javascript

module.exports = isFunction;

// WEBPACK FOOTER
// ./node_modules/lodash/isFunction.js
// module id = 288
// module chunks = 0

/**
 * A specialized version of `baseIsEqualDeep` for arrays with support for partial deep comparisons.
 * @private
 * @param {Array} object The object to compare.
 * @param {Array} other The other object to compare.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 * @example
 * var array1 = [1, 2, 3];
 * var array2 = [1, 2, 3];
 * var array3 = [1, 2, 4];
 * console.log(baseIsEqualDeep(array1, array2));
 * // => true
 * console.log(baseIsEqualDeep(array1, array3));
 * // => false
 */
function baseIsEqualDeep(object, other, bitmask, customizer, stack) {
  return baseIsEqualDeep(object, other, bitmask, customizer, stack);
}

module.exports = baseIsEqualDeep;

// WEBPACK FOOTER
// ./node_modules/lodash/_baseIsEqualDeep.js
// module id = 291
// module chunks = 0

```

```javascript

var SetCache = require('./_SetCache'),
    arraySome = require('./_arraySome'),
    cacheHas = require('./_cacheHas');

/**
 * A specialized version of `baseIsEqualDeep` for arrays with support for partial deep comparisons.
 * @private
 * @param {Array} array The array to compare.
 * @param {Array} other The other array to compare.
 * @returns {boolean} Returns `true` if the values are equivalent, else `false`.
 * @example
 * var array1 = [1, 2, 3];
 * var array2 = [1, 2, 3];
 * var array3 = [1, 2, 4];
 * console.log(baseIsEqualDeep(array1, array2));
 * // => true
 * console.log(baseIsEqualDeep(array1, array3));
 * // => false
 */
function baseIsEqualDeep(array1, array2, bitmask, customizer, stack) {
  return baseIsEqualDeep(array1, array2, bitmask, customizer, stack);
}

module.exports = baseIsEqualDeep;

// WEBPACK FOOTER
// ./node_modules/lodash/_baseIsEqualDeep.js
// module id = 291
// module chunks = 0
```
customizable comparisons.

```javascript
* @param {Function} equalFunc The function to determine equivalents of values.
* @param {Object} stack Tracks traversed `array` and `other` objects.
* @returns {boolean} Returns `true` if the arrays are equivalent, else `false`.

function equalArrays(array, other, bitmask, customizer, equalFunc, stack) {
  var isPartial = bitmask & COMPARE_PARTIAL_FLAG,
      arrLength = array.length,
      othLength = other.length;

  if (arrLength != othLength && !(isPartial && othLength > arrLength)) {
    return false;
  }

  // Assume cyclic values are equal.
  var arrayValue = stack.get(array);
  if (arrayValue) {
    return arrayValue == other;
  }

  var index = -1,
      result = true,
      seen = (bitmask & COMPARE_UNORDERED_FLAG) ? new SetCache : undefined;

  stack.set(array, other);
  stack.set(other, array);

  // Ignore non-index properties.
  while (++index < arrLength) {
    var arrValue = array[index],
        othValue = other[index],
        compared = isPartial
          ? customizer(othValue, arrValue, index, other, array, stack)
          : customizer(arrValue, othValue, index, array, other, stack);

    if (compared !== undefined) {
      if (compared) {
        continue;
      }
      result = false;
      break;
    }

    // Recursively compare arrays (susceptible to call stack limits).
    if (seen) {
      if (!arraySome(other, function(othValue, othIndex) {
            if (!cacheHas(seen, othIndex) &&
                (arrValue === othValue ||
                 equalFunc(arrValue, othValue, bitmask, customizer, stack))) {
              return seen.push(othIndex);
            }
          })) {
        return false;
        break;
      }
    } else if (!arrValue ||
      equalFunc(arrValue, othValue, bitmask, customizer, stack)) {
      result = false;
    }

    if (seen) {
      if (cacheHas(seen, index)) {
        return false;
      }
    }

    // Built-in value references.
    *!*Uint8Array = root.Uint8Array;

    module.exports = Uint8Array;

    // WEBPACK FOOTER
    // ./node_modules/lodash/_Uint8Array.js
    // module id = 294
    // module chunks = 0

    var baseGetAllKeys = require('./_baseGetAllKeys'),
        getSymbols = require('./_getSymbols'),
        keys = require('./keys');

    /**
     * Creates an array of own enumerable property names
     * and symbols of `object`.
     *
     * @private
     * @param {Object} object The object to query.
     * @returns {Array} Returns the array of property names and symbols.
     */
    function getAllKeys(object) {
      return baseGetAllKeys(object, keys, getSymbols);
    }

    module.exports = getAllKeys;

    // WEBPACK FOOTER
    // ./node_modules/lodash/_getAllKeys.js
    // module id = 295
    // module chunks = 0

    var arrayPush = require('./_arrayPush'),
        isArray = require('./isArray');

    /**
     * This method returns a new empty array.
     *
     * @static
     * @memberOf _
     * @since 4.13.0
     * @category Util
     * @returns {Array} Returns the new empty array.
     */
    function stubArray() {
      return [];
    }

    module.exports = stubArray;

    // WEBPACK FOOTER
    // ./node_modules/lodash/stubArray.js
    // module id = 297
    // module chunks = 0
```
```javascript
FOOTER
// node_modules/lodash/hasIn.js
module id = 303
// module chunks = 0
"var toFinite = require(\"toFinite\"),

\n
* Converts `value` to an integer.

* function toInteger(value) {
  var result = toFinite(value),
      remainder = result % 1;

  return result == result ? (remainder ? result - remainder : result) : 0;
}

module.exports = toInteger;


// WEBPACK FOOTER
// ./node_modules/lodash/toInteger.js
// module id = 304
// module chunks = 0
"var isObject = require(\"isObject\"),
    isSymbol = require(\"isSymbol\");

/**
 * Converts `value` to a number.
 *
 * @static
 * @memberOf _
 * @since 4.0.0
 * @category Lang
 * @param {*} value The value to process.
 * @returns {number} Returns the number.
 * @example
 *
 * _.toNumber(3.2);
 * // => 3.2
 *
 * _.toNumber(Number.MIN_VALUE);
 * // => 5e-324
 *
 * _.toNumber(Infinity);
 * // => Infinity
 *
 * _.toNumber('3.2');
 * // => 3.2
 */
function toNumber(value) {
  if (typeof value == 'number') {
    return value;
  }
  if (isSymbol(value)) {
    return NAN;
  }
  if (isObject(value)) {
    var other = typeof value.valueOf == 'function' ? value.valueOf() : value;
    value = isObject(other) ? (other + '') : other;
  }
  if (typeof value != 'string') {
    return value === 0 ? value : +value;
  }
  value = value.replace(reTrim, '');
  var isBinary = reIsBinary.test(value);
  return (isBinary || reIsOctal.test(value))
    ? freeParseInt(value.slice(2),
                  isBinary ? 2 : 8)
    : (reIsBadHex.test(value) ? NAN : +value);
}

module.exports = toNumber;


// WEBPACK FOOTER
// ./node_modules/lodash/toNumber.js
// module id = 305
// module chunks = 0
"var baseForOwn = require(\"./_baseForOwn\"),
    createBaseEach = require(\"./_createBaseEach\");

/**
 * The base implementation of `_.forEach` without support for iteratee
 * shorthands.
 *
 * @private
 * @param {Array|Object} collection The collection to iterate over.
 * @param {Function} iteratee The function invoked per iteration.
 * @returns {Array|Object} Returns `collection`.
 */
var baseEach = createBaseEach(baseForOwn);

module.exports = baseEach;


// WEBPACK FOOTER
// ./node_modules/lodash/_baseEach.js
// module id = 306
// module chunks = 0

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```

```
this;\n};// Don't raise the hwm > 8MB\nvar MAX_HWM = 0x800000;\nfunction computeNewHighWaterMark(n) {\n  if (n >= MAX_HWM) {\n    n = MAX_HWM;\n  } else {\n    // Get the next highest power of 2 to prevent increasing hwm excessively\n    n--;\n    n = n >>> 1;\n    n |= n >>> 2;\n    n |= n >>> 4;\n    n |= n >>> 8;\n    n |= n >>> 16;\n    n += n;\n    return n;\n  });// This function is designed to be inlinable, so please take care when making\n// changes to the function body.\nfunction howMuchToRead(n, state) {\n  if (n <= 0 || state.length === 0 && state.ended) return 0;\n  if (state.objectMode) return 1;\n  if (n !== n) {\n    // Only flow one buffer at a time\n    if (!state.reading && !state.length) return state.buffer.head.data.length;\n    else return state.length;\n  } // If we're asking for more than the current hwm, then\n  raise the hwm.\n  if (n > state.highWaterMark) state.highWaterMark = computeNewHighWaterMark(n);\n  if (n <= state.length) return n;\n  // Don't have enough if (!state.ended) {\n    state.needReadable = true;\n    return 0;\n  }\n  return state.length;\n}\n// you can override either this method, or the async _read(n)\nbelow.\nReadable.prototype.read = function(n) {\n  debug('read', n);\n  n = parseInt(n, 10);\n  var state = this._readableState;\n  var nOrig = n;\n  if (n !== 0 && state.ended) state.emittedReadable = false;\n  // if we're doing read(0) to\n  trigger a readable event, but we\n  // already have a bunch of data in the buffer, then just trigger\n  // the 'readable' event and move on.\n  if (n === 0 && state.reading && (&state.length >= state.highWaterMark || state.ended)) {\n    debug('read: emitReadable', state.length, state.ended);\n    if (state.length === 0 && state.ended) \n      endReadable(this);\n    else emitReadable(this);\n    return n;\n  } \n  state.length -= n;\n  \n  if (state.length === 0) {
    // If we have nothing in the buffer, then we want to know\n    // as soon as we *do* get something into the buffer.\n    if (state.ended) state.needReadable = true;\n    // emit readable event.\n    if (state.length === 0) state.needReadable = true;\n    // call internal read method\n    this._read(state.highWaterMark);\n  } state.sync = false;\n  // If _read\n  pushed data synchronously, then 'reading' will be false,\n  // and we need to re-evaluate how much data we can\n  return to the user.\n  if (!state.reading) \n    n = howMuchToRead(nOrig, state);\n  var ret = fromList(n, state);\n  if (state.ended) return 0;\n  if (n > 0) \n    ret = fromList(n, state);\n  \n  if (nOrig !== n && state.ended) \n    endReadable(this);\n  \n  if (ret !== null) emit('data', ret);\n  return ret;\n}

// emitReadable\n
// Don't emit readable' now to make sure it gets picked up.\nemitReadable();\n
// Don't emit readable right away in sync mode, because this can trigger\n// another read() call => stack overflow. This way,\n// it might trigger\n// a nextTick recursion warning, but that's not so bad.\n
// If _read\npushed data synchronously, then 'reading' will be false,\n// and we need to re-evaluate how much data we can\nreturn to the user.\nif (!state.reading) {\n  state.length -= n;\n  return n;\n}
state.flowing);\n    state.emittedReadable = true;\n    if (state.sync) pna.nextTick(emitReadable_, stream); else emitReadable_(stream);\n}\n}\nfunction emitReadable_(stream) {\n  debug('emit readable');\n  stream.emit('readable');\n  flow(stream);\n}\n
function emitReadable_(stream) {
  debug('emit readable');
  stream.emit('readable');
  flow(stream);
}

// at this point, the user has presumably seen the 'readable' event, then and called read() to consume some data. that may have triggered

function maybeReadMore(stream, state) {
  if (!state.readingMore) {
    state.readingMore = true;
    pna.nextTick(maybeReadMore_, stream, state);\n  }
}\n
function maybeReadMore_(stream, state) {
  var len = state.length;\n  while (!state.reading & & state.ended & & state.length < state.highWaterMark) {
    debug('maybeReadMore read 0');\n    stream.read(0);\n    if (len === state.length) // didn't get any data, stop spinning. break; else len = state.length;\n  }
  state.readingMore = false;\n  // abstract method. to be overridden in specific implementation classes.\n  // call cb(err, data) where data is <= n in length.\n  // for virtual (non-string, non-buffer) streams, \"length\" is somewhat arbitrary, and perhaps not very meaningful.\n}

Readable.prototype._read = function (n) {
  this.emit('error', new Error('_read() is not implemented'));
};

Readable.prototype.pipe = function (dest, pipeOpts) {
  var src = this;\n  var state = this._readableState;\n
  switch (state.pipesCount) {
    case 0:\n      state.pipes = dest;\n      break;\n    case 1:\n      state.pipes = [state.pipes, dest];\n      break;\n    default:\n      state.pipes.push(dest);\n      break;\n  }
  state.pipesCount += 1;\n  debug('pipe count=%d opts=%j', state.pipesCount, pipeOpts);

  var doEnd = (!pipeOpts || pipeOpts.end !== false) && dest !== process.stdout;\n
  var endFn = doEnd ? onend : unpipe;
  if (state.endEmitted) pna.nextTick(endFn); else src.once('end', endFn);

  dest.on('unpipe', onunpipe);
  function onunpipe(readable, unpipeInfo) {
    debug('onunpipe');
    if (readable === src) {
      if (unpipeInfo && unpipeInfo.hasUnpiped === false) {
        unpipeInfo.hasUnpiped = true;
        cleanup();
      }
    }
  }

  function onend() {
    debug('onend');
    dest.end();
  }

  // if the user pushes more data while we're writing to dest then we'll end up\n  // if (state.awaitDrain && (!dest._writableState || dest._writableState.needDrain)) ondrain();\n  // this is to ensure that we only want to increase awaitDrain once because\n  // dest will only emit one 'drain' event for the multiple writes.

  // Make sure our error handler is attached before userland ones.
  prependListener(dest, 'error', onerror);

  // both close and finish should trigger unpipe, but only once.\n  // function onclose() {\n  // dest.removeListener('finish', onfinish);\n  // unpipe();\n  // dest.once('close', onclose);\n  // function onfinish() {\n  // debug('onfinish');\n  // dest.removeListener('close', onclose);\n  // unpipe();\n  // dest.once('finish', onfinish);\n  // function unpipe() {\n  //
It is the combined lengths of all the buffers in the list.
This function is designed to be inlinable, so please take care when making
changes to the function body.\n
```
																																																																																																																																																																																									
```

```
Object.defineProperty(Readable.prototype, 'readableHighWaterMark', {
  // making it explicit this
  // property is not enumerable
  // because otherwise some prototype manipulation in
  // userland will fail
  enumerable: false,
  get: function () {
    return this._readableState.highWaterMark;
  }
});

return
```
utf8CheckByte: \n  function utf8CheckByte(byte) {\n    if (byte <= 0x7F) return 0; else if (byte >> 5 === 0x06) return 2; else if (byte >> 4 === 0x0E) return 3; else if (byte >> 3 === 0x1E) return 4; return 0;\n  }\n\nutf8FillLast: \n  function utf8FillLast(buf) {\n    var i = this.lastNeed;\n    if (this.lastNeed) {\n      r = this.fillLast(buf);\n      if (r === undefined) return '';\n      i = this.lastNeed;\n      this.lastNeed = 0;\n      this.lastTotal = i;\n    }\n    if (this.encoding === 'utf8') \n      return this.text(buf, this.lastChar.toString(this.encoding, 0, this.lastTotal));\n    return this.text(buf, this.lastTotal - this.lastNeed, 0, this.lastNeed);\n  }\n  return;
  this.write = simpleWrite;\n  this.end = simpleEnd;\n  if (true) {\n    this.fillLast = utf8FillLast;\n    nb = 4;\n    break;\n  }\n  return utf8CheckExtraBytes(this, buf, p);\n  if (num > 0) {\n    if (num !== 2) nb = 0; else self.lastNeed = nb - 3;\n    return nb;\n  }\n  return nb;\n}\n\nutf8CheckByte: \n  function utf8CheckByte(byte) {\n    if (byte <= 0x7F) return 0; else if (byte >> 5 === 0x06) return 2; else if (byte >> 4 === 0x0E) return 3; else if (byte >> 3 === 0x1E) return 4; return 0;\n  }\n\nutf8FillLast: \n  function utf8FillLast(buf) {\n    var i = this.lastNeed;\n    if (this.lastNeed) {\n      r = this.fillLast(buf);\n      if (r === undefined) return '';\n      i = this.lastNeed;\n      this.lastNeed = 0;\n      this.lastTotal = i;\n    }\n    if (this.encoding === 'utf8') \n      return this.text(buf, this.lastChar.toString(this.encoding, 0, this.lastTotal));\n    return this.text(buf, this.lastTotal - this.lastNeed, 0, this.lastNeed);\n  }\n  return;
  this.write = simpleWrite;\n  this.end = simpleEnd;\n  if (true) {\n    this.fillLast = utf8FillLast;\n    nb = 4;\n    break;\n  }\n  return utf8CheckExtraBytes(this, buf, p);\n  if (num > 0) {\n    if (num !== 2) nb = 0; else self.lastNeed = nb - 3;\n    return nb;\n  }\n  return nb;\n}
buf.toString('utf8', i, end);

if (utf8End(buf) !== undefined) {
  var r = buf && buf.length ? this.write(buf) : "\n  if (this.lastNeed) return r + '\nufffd';
  return r;
}

UTF-16LE typically needs two bytes per character, but even if we have an even\n
// number of bytes available, we need to check if we end on a leading/high\n
// surrogate. In that case, we need to wait\n
// for the next two bytes in order to decode the last character properly.

function utf16Text(buf, i) {
  if ((buf.length - i) % 2 !== 0) {
    var r = buf.toString('utf16le', i);
    if (r) {
      var c = r.charCodeAt(r.length - 1);
      if (c >= 0xD800 && c <= 0xDBFF) {
        this.lastNeed = 2;
        this.lastTotal = 2;
        this.lastChar[0] = buf[buf.length - 2];
        this.lastChar[1] = buf[buf.length - 1];
        return buf.toString('utf16le', i, buf.length - 1);
      }
    }
  }
  if (this.lastNeed) return r + this.lastChar.toString('utf16le', 0, this.lastNeed);
  return r;
}

function utf16End(buf) {
  var r = buf && buf.length ? this.write(buf) : "\n  if (this.lastNeed) return r + this.lastChar.toString('utf16le', 0, end);
  return r;
}

// utf-16 and utf-16le do not explicitly append special replacement\n// characters if we\n// end on a partial character, so we simply let v8 handle that.

function simpleWrite(buf) {
  return buf.toString(this.encoding);
}

function simpleEnd(buf) {
  return buf && buf.length ? this.write(buf) : "\n}


//////////////////
// WEBPACK FOOTER

// module id = 312
// module chunks = 0
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// a transform
// stream is a readable/writable stream where you do
// something with the data.  Sometimes it's called a "filter",

// while the output is causally related to
// the input, it's not a necessarily symmetric or synchronous transformation.  For example,
// a zlib stream might take multiple plain-text writes(), and then emit a single compressed chunk some time in the future.

// a transform stream is a readable/writable stream where you don't
// something with the data. Sometimes it's called a "filter", but
// that's a great name for it, since that implies a thing where\n// some bits pass through, and others are simply ignored.  (That wouldn't be a valid example of a transform, of course.)
// While the output is causally related to
// the input, it's not necessarily symmetric or synchronous transformation.  For example,
// a zlib stream might take multiple plain-text writes(), and then emit a single compressed chunk some time in the future.

// a transform stream is a readable/writable stream where you don't
// something with the data. Sometimes it's called a "filter", but
// that's a great name for it, since that implies a thing where\n// some bits pass through, and others are simply ignored.  (That wouldn't be a valid example of a transform, of course.)
// While the output is causally related to
// the input, it's not necessarily symmetric or synchronous transformation.  For example,
of output. Writing the 4 bytes \{ff,ff,ff,ff\} would result in 1kB of data being output. In this case, you could write a very small amount of input, and end up with a very large amount of output. In such a pathological inflating mechanism, there'd be no way to tell the system to stop doing the transform. A single 4MB write could cause the system to run out of memory. However, even in such a pathological case, only a single written chunk would be consumed, and then the rest would wait until the results of the previous transformed chunk were consumed.

```javascript
'use strict';

module.exports = Transform;

var Duplex = require('./_stream_duplex');

var util = require('core-util-is');

util.inherits(Transform, Duplex);

function afterTransform(er, data) {
  if (!this.needTransform) return

  var ts = this._transformState;
  ts.transforming = false;

  var cb = ts.writecb;
  if (!cb) return

  var rs = this._readableState;
  if (rs.reading || rs.length < rs.highWaterMark) return

  this.afterTransform.call(this, er, data);

  cb(er);

  var rs = this._readableState;
  rs.reading = false;

  if (rs.needReadable || rs.length < rs.highWaterMark) {
    this._read(rs.highWaterMark);
  }
}

function Transform(options) {
  if (!(this instanceof Transform)) return new Transform(options);

  Duplex.call(this, options);

  this._transformState = {
    afterTransform: afterTransform.bind(this),
    needTransform: false,
    transforming: false,
    writecb: null,
    writechunk: null,
    writeencoding: null
  };

  this._readableState.needReadable = true;

  if (options) {
    if (typeof options.transform === 'function') this._transform = options.transform;

    if (typeof options.flush === 'function') this._flush = options.flush;
  }

  this.on('prefinish', prefinish);
}

function prefinish() {
  var _this = this;

  if (typeof this._flush === 'function') {
    this._flush(function (er, data) {
      done(_this, er, data);
    });
  } else {
    done(this, null, null);
  }
}

Transform.prototype.push = function (chunk, encoding) {
  var ts = this._transformState;
  ts.writecb = cb;
  ts.writechunk = chunk;
  ts.writeencoding = encoding;

  if (!ts.transforming) {
    var rs = this._readableState;

    if (ts.needTransform || rs.needReadable || rs.length < rs.highWaterMark) this._read(rs.highWaterMark);
  }
}

Transform.prototype._write = function (chunk, encoding, cb) {
  if (chunk !== null) {
    this.push(chunk, encoding);
  }
}

Transform.prototype._transform = function (chunk, encoding, cb) {
  throw new Error('_transform() is not implemented');
}

Transform.prototype._read = function (n) {
  var ts = this._transformState;

  if (ts.writechunk !== null && ts.writecb && !ts.transforming) {
    ts.transforming = true;
    this._transform(ts.writechunk, ts.writeencoding, ts.afterTransform);
  } else {
    var rs = this._readableState;

    if (rs.needTransform || rs.needReadable || rs.length < rs.highWaterMark) this._read(rs.highWaterMark);
  }
}

Transform.prototype._destroy = function (err, cb) {
  var _this2 = this;

  Duplex.prototype._destroy.call(this, err, function (err2) {
    cb(err2);
  });
}

function done(stream, er, data) {
  if (er) return stream.emit('error', er);

  if (data !== null) {
    stream.push(data);
  }
}
```

This is the part where you do stuff to override what happens in implementation classes. If you set the writable side data rate, the readable side will process it at the same rate. When the readable side is done, the writable side begins to read again. If the readable side has more data available at any given point in time, the readable side will block until the writable side is able to assimilate its data.

```javascript

var io = require('io');

io.open('/dev/tty', 'r', function (err, fd) {
  if (err) throw err;

  io.write(fd, 'hello world', function (err) {
    if (err) throw err;
  });

  var buffer = new Buffer(1024);

  io.read(fd, buffer, 0, 1024, function (err, bytesRead, buffer) {
    if (err) throw err;
    console.log(bytesRead);
  });
});
```

---

Open Source Used In SDWan 20.4.1 6859
makeReducers(system),\n
actions,\n
selectors\n
}\n }\n }\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/plugins/err/index.js","import {\n NEW_THROWN_ERR,\n NEW_THROWN_ERR_BATCH,\n
NEW_SPEC_ERR,\n NEW_SPEC_ERR_BATCH,\n NEW_AUTH_ERR,\n CLEAR,\n CLEAR_BY,\n} from
\"./actions\"\n\nimport { fromJS, List } from \"immutable\"\n\nimport transformErrors from \"./errortransformers/hook\"\n\nlet DEFAULT_ERROR_STRUCTURE = {\n // defaults\n line: 0,\n level: \"error\",\n
message: \"Unknown error\"\n}\n\nexport default function(system) {\n return {\n [NEW_THROWN_ERR]:
(state, { payload }) => {\n
let error = Object.assign(DEFAULT_ERROR_STRUCTURE, payload, {type:
\"thrown\"})\n
return state\n
.update(\"errors\", errors => (errors || List()).push( fromJS( error )) )\n
.update(\"errors\", errors => transformErrors(errors, system.getSystem()))\n },\n\n
[NEW_THROWN_ERR_BATCH]: (state, { payload }) => {\n
payload = payload.map(err => {\n
return
fromJS(Object.assign(DEFAULT_ERROR_STRUCTURE, err, { type: \"thrown\" }))\n
})\n
return state\n
.update(\"errors\", errors => (errors || List()).concat( fromJS( payload )) )\n
.update(\"errors\", errors =>
transformErrors(errors, system.getSystem()))\n },\n\n [NEW_SPEC_ERR]: (state, { payload }) => {\n
let
error = fromJS(payload)\n
error = error.set(\"type\", \"spec\")\n
return state\n
.update(\"errors\", errors =>
(errors || List()).push( fromJS(error)).sortBy(err => err.get(\"line\")) )\n
.update(\"errors\", errors =>
transformErrors(errors, system.getSystem()))\n },\n\n [NEW_SPEC_ERR_BATCH]: (state, { payload }) => {\n
payload = payload.map(err => {\n
return fromJS(Object.assign(DEFAULT_ERROR_STRUCTURE, err, {
type: \"spec\" }))\n
})\n
return state\n
.update(\"errors\", errors => (errors || List()).concat( fromJS( payload
)) )\n
.update(\"errors\", errors => transformErrors(errors, system.getSystem()))\n },\n\n
[NEW_AUTH_ERR]: (state, { payload }) => {\n
let error = fromJS(Object.assign({}, payload))\n\n
error =
error.set(\"type\", \"auth\")\n
return state\n
.update(\"errors\", errors => (errors || List()).push( fromJS(error))
)\n
.update(\"errors\", errors => transformErrors(errors, system.getSystem()))\n },\n\n [CLEAR]: (state, {
payload }) => {\n
if(!payload || !state.get(\"errors\")) {\n
return state\n
}\n\n
let newErrors =
state.get(\"errors\")\n
.filter(err => {\n
return err.keySeq().every(k => {\n
const errValue =
err.get(k)\n
const filterValue = payload[k]\n\n
if(!filterValue) return true\n\n
return errValue
!== filterValue\n
})\n
})\n
return state.merge({\n
errors: newErrors\n
})\n },\n\n
[CLEAR_BY]: (state, { payload }) => {\n
if(!payload || typeof payload !== \"function\") {\n
return state\n
}\n
let newErrors = state.get(\"errors\")\n
.filter(err => {\n
return payload(err)\n
})\n
return
state.merge({\n
errors: newErrors\n
})\n }\n }\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/plugins/err/reducers.js","import reduce from \"lodash/reduce\"\nimport * as NotOfType from
\"./transformers/not-of-type\"\nimport * as ParameterOneOf from \"./transformers/parameter-oneof\"\n\nconst
errorTransformers = [\n NotOfType,\n ParameterOneOf\n]\n\nexport default function transformErrors (errors,
system) {\n let inputs = {\n jsSpec: system.specSelectors.specJson().toJS()\n }\n\n let transformedErrors =
reduce(errorTransformers, (result, transformer) => {\n try {\n
let newlyTransformedErrors =
transformer.transform(result, inputs)\n
return newlyTransformedErrors.filter(err => !!err) // filter removed
errors\n } catch(e) {\n
console.error(\"Transformer error:\", e)\n
return result\n }\n }, errors)\n\n return
transformedErrors\n .filter(err => !!err) // filter removed errors\n .map(err => {\n
if(!err.get(\"line\") &&
err.get(\"path\")) {\n
// TODO: re-resolve line number if we've transformed it away\n
}\n
return err\n
})\n\n}\n\n\n\n// WEBPACK FOOTER //\n// ./src/core/plugins/err/error-transformers/hook.js","export function
transform(errors) {\n // JSONSchema refers to the current object being validated\n // as 'instance'. This isn't helpful
to users, so we remove it.\n return errors\n .map(err => {\n
let seekStr = \"is not of a type(s)\"\n
let i =
err.get(\"message\").indexOf(seekStr)\n
if(i > -1) {\n
let types = err.get(\"message\").slice(i +
seekStr.length).split(\",\")\n
return err.set(\"message\", err.get(\"message\").slice(0, i) +
makeNewMessage(types))\n
} else {\n
return err\n
}\n })\n}\n\nfunction makeNewMessage(types) {\n
return types.reduce((p, c, i, arr) => {\n if(i === arr.length - 1 && arr.length > 1) {\n
return p + \"or \" + c\n }
else if(arr[i+1] && arr.length > 2) {\n
return p + c + \", \"\n } else if(arr[i+1]) {\n
return p + c + \" \"\n }
else {\n
return p + c\n }\n }, \"should be a\")\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/plugins/err/error-transformers/transformers/not-of-type.js","import get from \"lodash/get\"\nimport {

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fromJS } from \"immutable\"\n\nexport function transform(errors, { jsSpec }) {\n // LOOK HERE THIS
TRANSFORMER IS CURRENTLY DISABLED \n // TODO: finish implementing, fix flattening problem\n /*
eslint-disable no-unreachable */\n return errors\n\n\n // JSONSchema gives us very little to go on\n let searchStr =
\"is not exactly one from <#/definitions/parameter>,<#/definitions/jsonReference>\"\n return errors\n .map(err =>
{\n
let message = err.get(\"message\")\n
let isParameterOneOfError = message.indexOf(searchStr) > -1\n
if(isParameterOneOfError) {\n
// try to find what's wrong\n
return createTailoredParameterError(err,
jsSpec)\n
} else {\n
return err\n
}\n })\n .flatten(true) // shallow Immutable flatten\n}\n\nconst
VALID_IN_VALUES = [\"path\", \"query\", \"header\", \"body\", \"formData\"]\nconst
VALID_COLLECTIONFORMAT_VALUES = [\"csv\", \"ssv\", \"tsv\", \"pipes\", \"multi\"]\n\nfunction
createTailoredParameterError(err, jsSpec) {\n let newErrs = []\n let parameter = get(jsSpec, err.get(\"path\"))\n\n //
find addressable cases\n if(parameter.in && VALID_IN_VALUES.indexOf(parameter.in) === -1) {\n let
message = `Wrong value for the \"in\" keyword. Expected one of: ${VALID_IN_VALUES.join(\", \")}.`\n
newErrs.push({\n
message,\n
path: err.get(\"path\") + \".in\",\n
type: \"spec\",\n
source: \"structural\",\n
level: \"error\"\n })\n }\n\n if(parameter.collectionFormat &&
VALID_COLLECTIONFORMAT_VALUES.indexOf(parameter.collectionFormat) === -1) {\n let message =
`Wrong value for the \"collectionFormat\" keyword. Expected one of:
${VALID_COLLECTIONFORMAT_VALUES.join(\", \")}.`\n newErrs.push({\n
message,\n
path:
err.get(\"path\") + \".collectionFormat\",\n
type: \"spec\",\n
source: \"structural\",\n
level: \"error\"\n })\n
}\n\n return newErrs.length ? fromJS(newErrs) : err // fall back to making no changes\n\n}\n\n\n\n// WEBPACK
FOOTER //\n// ./src/core/plugins/err/error-transformers/transformers/parameter-oneof.js","import { List } from
\"immutable\"\nimport { createSelector } from \"reselect\"\n\nconst state = state => state\n\nexport const allErrors =
createSelector(\n state,\n err => err.get(\"errors\", List())\n)\n\nexport const lastError = createSelector(\n
allErrors,\n all => all.last()\n)\n\n\n\n\n// WEBPACK FOOTER //\n// ./src/core/plugins/err/selectors.js","import
reducers from \"./reducers\"\nimport * as actions from \"./actions\"\nimport * as selectors from
\"./selectors\"\n\nexport default function() {\n return {\n statePlugins: {\n
layout: {\n
reducers,\n
actions,\n
selectors\n
}\n }\n }\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/plugins/layout/index.js","import { fromJS } from \"immutable\"\nimport {\n UPDATE_LAYOUT,\n
UPDATE_FILTER,\n UPDATE_MODE,\n SHOW\n} from \"./actions\"\n\nexport default {\n\n
[UPDATE_LAYOUT]: (state, action) => state.set(\"layout\", action.payload),\n\n [UPDATE_FILTER]: (state,
action) => state.set(\"filter\", action.payload),\n\n [SHOW]: (state, action) => {\n const isShown =
action.payload.shown\n // This is one way to serialize an array, another (preferred) is to convert to json-pointer\n
// TODO: use json-pointer serilization instead of fromJS(...), for performance\n const thingToShow =
fromJS(action.payload.thing)\n // This is a map of paths to bools\n // eg: [one, two] => true\n // eg: [one] =>
false\n return state.update(\"shown\", fromJS({}), a => a.set(thingToShow, isShown))\n },\n\n
[UPDATE_MODE]: (state, action) => {\n let thing = action.payload.thing\n let mode = action.payload.mode\n
return state.setIn([\"modes\"].concat(thing), (mode || \"\") + \"\")\n }\n\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/plugins/layout/reducers.js","import { createSelector } from \"reselect\"\nimport { normalizeArray } from
\"core/utils\"\nimport { fromJS } from \"immutable\"\n\nconst state = state => state\n\nexport const current = state
=> state.get(\"layout\")\n\nexport const currentFilter = state => state.get(\"filter\")\n\nexport const isShown = (state,
thing, def) => {\n thing = normalizeArray(thing)\n return state.get(\"shown\", fromJS({})).get(fromJS(thing),
def)\n}\n\nexport const whatMode = (state, thing, def=\"\") => {\n thing = normalizeArray(thing)\n return
state.getIn([\"modes\", ...thing], def)\n}\n\nexport const showSummary = createSelector(\n state,\n state =>
!isShown(state, \"editor\")\n)\n\n\n\n// WEBPACK FOOTER //\n// ./src/core/plugins/layout/selectors.js","// call
something on iterator step with safe closing on error\nvar anObject = require('./_an-object');\nmodule.exports =
function (iterator, fn, value, entries) {\n try {\n return entries ? fn(anObject(value)[0], value[1]) : fn(value);\n //
7.4.6 IteratorClose(iterator, completion)\n } catch (e) {\n var ret = iterator['return'];\n if (ret !== undefined)
anObject(ret.call(iterator));\n throw e;\n }\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/core-js/library/modules/_iter-call.js\n// module id = 331\n// module chunks = 0","// check on default

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Array iterator

```javascript
var Iterators = require('./_iterators');
var ITERATOR = require('./_wks')('iterator');
var ArrayProto = Array.prototype;

module.exports = function (it) {
  return it !== undefined && (Iterators.Array === it || ArrayProto[ITERATOR] === it);
}

```

```javascript
var ITERATOR = require('./_wks')('iterator');
var ITERATOR = require('./_wks')('iterator');

```

```javascript
try {
  var riter = [7][ITERATOR]();
  riter['return'] = function () { SAFE_CLOSING = true; };
  Array.from(riter, function () { throw 2; });
} catch (e) { /* empty */ }

```

```javascript
import reducers from "./reducers"
import * as actions from "./actions"
import * as selectors from "./selectors"
import * as wrapActions from "./wrap-actions"

export default function() {
  return {
    statePlugins: {
      spec: {
        reducers,
        actions,
        selectors
      }
    }
  }
}

```

```javascript
import { fromJS, List } from "immutable"
import { fromJSOrdered, validateParam, paramToValue } from "core/utils"
import win from "../../window"

// selector-in-reducer is suboptimal, but 'operationWithMeta' is more of a helper
import {
  specJsonWithResolvedSubtrees,
  parameterValues,
  parameterInclusionSettingFor,
} from "./selectors"

import {
  UPDATE_SPEC,
  UPDATE_URL,
  UPDATE_JSON,
  UPDATE_RESOLVED,
  UPDATE_RESOLVED_SUBTREE,
  UPDATE_OPERATION_META_VALUE,
  CLEAR_RESPONSE,
  CLEAR_REQUEST,
  CLEAR_VALIDATE_PARAMS,
  SET_SCHEME
} from "./actions"
import { paramToIdentifier } from "../../utils"

export default {

  [UPDATE_SPEC]: (state, action) => {
    return (typeof action.payload === "string")
      ? state.set("spec", action.payload)
      : state
  },

  [UPDATE_URL]: (state, action) => {
    return state.set("url", action.payload+"")
  },

  [UPDATE_JSON]: (state, action) => {
    return state.set("json", fromJSOrdered(action.payload))
  },

  [UPDATE_RESOLVED]: (state, action) => {
    return state.set("resolved", fromJSOrdered(action.payload))
  },

  [UPDATE_RESOLVED_SUBTREE]: (state, action) => {
    return state.setIn([],
  },

  [UPDATE_OPERATION_META_VALUE]: (state, action) => {
    return state.setIn([],
  },

  [CLEAR_VALIDATE_PARAMS]: (state, action) => {
    return state.setIn([],
  },

  [SET_SCHEME]: (state, payload) => {
    return state.setIn([],
  },

};

```

---

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try (e: false, v: exec() )
catch (e) {
  return { e: true, v: e }
}

module.exports = function (exec) {
  try {
    return { e: false, v: exec() };
  } catch (e) {
    return { e: true, v: e }
  }
};


推开那些额外的无用模块，因为它们不会对SDWan产生直接的影响。如果在这个函数中定义了一个函数，那么它将会被使用到，并且在传递给`exec`时，它会以默认值为`false`。


```javascript
var anObject = require('./_isObject');
var newPromiseCapability = require('./_new-promise-capability');

module.exports = function (C, x) {
  anObject(C);
  if (isObject(x) && x.constructor === C) return x;
  var promiseCapability = newPromiseCapability.f(C);
  var resolve = promiseCapability.resolve;
  resolve(x);
  return promiseCapability.promise;
};


```
The function to customize path creation.

```javascript
function baseSet(object, path, value, customizer) {
  if (!isObject(object)) {
    return object;
  }
  path = castPath(path, object);
  var index = -1,
  length = path.length,
  lastIndex = length - 1,
  nested = object;

  while (nested != null && ++index < length) {
    var key = toKey(path[index]),
    newValue = value;

    if (index != lastIndex) {
      var objValue = nested[key];
      newValue = customizer ? customizer(objValue, key, nested) : undefined;
    }
    assignValue(nested, key, newValue);
    nested = nested[key];
  }
  return object;
}
```

```javascript
module.exports = baseSet;
```

---

The base implementation of `assignValue` and `assignMergeValue` without value checks.

```javascript
function baseAssignValue(object, key, value) {
  if (key == '__proto__' && defineProperty) {
    defineProperty(object, key, {
      'configurable': true,
      'enumerable': true,
      'value': value,
      'writable': true
    });
  } else {
    object[key] = value;
  }
}
```

```javascript
module.exports = baseAssignValue;
```

---

The base implementation of the `assignValue` and `assignMergeValue` without value checks.

```javascript
function baseAssignValue(object, key, value) {
  if (key == '__proto__' && defineProperty) {
    defineProperty(object, key, {
      'configurable': true,
      'enumerable': true,
      'value': value,
      'writable': true
    });
  } else {
    object[key] = value;
  }
}
```

```javascript
module.exports = baseAssignValue;
```

---

The base implementation of `getNative`.

```javascript
var getNative = require('./_getNative');

var defineProperty = (function() {
  try {
    var func = getNative(Object, 'defineProperty');
    func({}, '', {});
    return func;
  } catch (e) {}
}());

module.exports = defineProperty;
```

---

The updateSpec function is used to update the spec.

```javascript
export const updateSpec = (ori, {specActions}) => (...args) => {
  ori(...args)
  specActions.parseToJson(...args)
}

export const updateJsonSpec = (ori, {specActions}) => (...args) => {
  ori(...args)
  specActions.invalidateResolvedSubtreeCache()
  const [json] = args
  const pathItems = get(json, ['paths']) || {}
  Object.keys(pathItems).forEach(k => {
    const val = get(pathItems, [k])
    if(val.$ref) {
      specActions.requestResolvedSubtree([‘paths’, k])
    }
  })
  specActions.requestResolvedSubtree([‘components’, ‘securitySchemes’])
}
```

---

The render function is used to render the spec.

```javascript
export const render = () => { return <ComponentToWrap {...getSystem() } {...this.props} {...this.context} />
}
```
component, reduxStore)

let connected = connect(mapStateToProps)(wrappedWithSystem)

if(reduxStore)

return RootWrapper(reduxStore, connected)

return connected
}

const handleProps = (getSystem, mapping, props, oldProps) => {

let cleanProps = omit(this.props, mapping)

let Comp = memGetComponent(componentName, 'root')

return <Comp {...cleanProps} />
}

export const makeMappedContainer = (getSystem, getStore, memGetComponent, getComponents, componentName, mapping) => {

return class extends Component {

constructor(props, context) {

super(props, context)

handleProps(getSystem, mapping, props, {})

componentWillReceiveProps(nextProps) {

handleProps(getSystem, mapping, nextProps, this.props)

render() {

let cleanProps = omit(this.props, mapping)

let Comp = memGetComponent(componentName, 'root')

return <Comp {...cleanProps} />
}

export const render = (getSystem, getStore, getComponent, getComponents, domNode) => {

let App = getComponent(getSystem, getStore, getComponents, 'App', 'root')

ReactDOM.render(<App />, domNode)

// Render try/catch wrapper
const createClass = component => class extends Component {

render() {

return component(this.props)
}
}

const Fallback = ({ name }) => <div style={{ // eslint-disable-line react/prop-types
  padding: '1em',
  color: '#aaa' 
 }}> <i>Could not render { name === 't' ? 'this component' : name }, see the console.</i></div>

const wrapRender = (component) => {

const isStateless = component => !(component.prototype && component.prototype.isReactComponent)

const target = isStateless(component) ? createClass(component) : component

const ori = target.prototype.render

target.prototype.render = function render(...args) {

try {

return ori.apply(this, args)
}

} catch (error) {

console.error(error) // eslint-disable-line no-console

return <Fallback error={error} name={target.name} />
}

module.exports = wrapRender;

export const getComponent = (getSystem, getStore, getComponents, componentName, container) => {

if(typeof componentName !== 'string')

throw new TypeError('Need a string, to fetch a component. Was given a ' + typeof componentName)

let component = getComponents(componentName)

if(!component) {

getSystem().log.warn('Could not find component', componentName)

return null
}

if(!container)

return wrapRender(component)

if(container === 'root')

return makeContainer(getSystem, component, getStore())

// container == truthy

return makeContainer(getSystem, wrapRender(component))

}

module.exports = 

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*/

src/core/plugins/view/root-injects.jsx", "module.exports = { "default": require("core-js/library/fn/object/create"),

__esModule: true }"

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*/

node_modules/babel-runtime/core-js/object/create.js

module.exports = ReactDOMComponentFlags = {

hasCachedChildNodes: 1 << 0
}

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*/

node_modules/react-dom/lib/ReactDOMComponentFlags.js


/**
 * Copyright (c) 2015-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var ReactDOMComponentFlags = {

hasCachedChildNodes: 1 << 0
};

module.exports = ReactDOMComponentFlags;


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*/

node_modules/react-dom/lib/ReactDOMComponentFlags.js


/**
 * Copyright (c) 2014-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

var invariant = require('fbjs/lib/invariant');

/**
 *
 * Accumulates items that must not be null or undefined into the first one. This

function should be sparingly used. Try 'accumulate' for something cleaner.

* @return {array<*>} An accumulation of items.

*/

function accumulateInto(current, next) {

!next ? process.env.NODE_ENV !== 'production' ? invariant(false, 'accumulateInto(...): Accumulated items must not be null or undefined.') : _prodInvariant('30') : void 0;

if (Array.isArray(current)) {

if (Array.isArray(next)) {

current.push.apply(current, next);

return current;
}

current.push(next);

return current;
}

// Both are not empty. Warning: Never call x.concat(y) when

// you are not sure that x is an Array (x could be a string with concat method).

if (Array.isArray(current)) {

if (Array.isArray(next)) {

return current.push.apply(current, next);
}

return current;
}

return current.push.next;

module.exports = accumulateInto;
module id = 354
module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in
 * the LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

/**
 * @param {array} arr an accumulation of items which is either an Array or
 * a single item. Useful when paired with the accumulate module. This is a
 * simple utility that allows us to reason about a collection of items,
 * but only handling the case when there is exactly one item (and we do not need to
 * allocate an array).
 */

function forEachAccumulated(arr, cb, scope) {
  if (Array.isArray(arr)) {
    arr.forEach(cb, scope);
  } else if (arr)
    arr[0].call(scope, arr);
}

module.exports = forEachAccumulated;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/forEachAccumulated.js
// module id = 355
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in
 * the LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var ExecutionEnvironment = require('fbjs/lib/ExecutionEnvironment');

var contentKey = null;

/**
 * Gets the key used to access text content on a DOM node.
 *
 * @return {?string} Key used to access text content.
 * @internal
 */

function getTextContentAccessor() {
  if (!contentKey && ExecutionEnvironment.canUseDOM) {
    // Prefer textContent to innerText because many browsers support both but innerText doesn't support innerText even when <div> does.
    contentKey = 'textContent' in document.documentElement ? 'textContent' : 'innerText';
  }

  return contentKey;
}

module.exports = getTextContentAccessor;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/getTextContentAccessor.js
// module id = 356
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in
 * the LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

function _classCallCheck(instance, Constructor) {
  if (!(instance instanceof Constructor)) {
    throw new TypeError('Cannot call a class as a function');
  }
}

var PooledClass = require('./PooledClass');

var invariant = require('fbjs/lib/invariant');

/**
 * A specialized pseudo-event module to help keep track of components waiting to
 * be notified when their DOM representations are available for use.
 * This source code is licensed under the MIT license found in
 * the LICENSE file in the root directory of this source tree.
 *
 * This implements `PooledClass`, so you should never need to instantiate this.
 * Instead, use `CallbackQueue.getPooled()`.
 *
 * @class ReactMountReady
 * @implements PooledClass
 * @internal
 */

var CallbackQueue = function () {
  function CallbackQueue(arg) {
    _classCallCheck(this, CallbackQueue);

    this._callbacks = null;
    this._contexts = null;
    this._arg = arg;
  }

  CallbackQueue.prototype.enqueue = function enqueue(callback, context) {
    this._callbacks = this._callbacks || [];
    this._callbacks.push(callback);
    this._contexts = this._contexts || [];
    this._contexts.push(context);
  };

  CallbackQueue.prototype.notifyAll = function notifyAll() {
    var callbacks = this._callbacks;
    var contexts = this._contexts;
    var arg = this._arg;
    if (callbacks && contexts) {
      !(callbacks.length === contexts.length)
        ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Mismatched list of contexts in callback queue')
          : _prodInvariant('24') : void 0;
      this._callbacks = null;
      this._contexts = null;
      for (var i = 0; i < callbacks.length; i++) {
        callbacks[i].call(contexts[i], arg);
      }
      callbacks.length = 0;
      contexts.length = 0;
    }
  };

  CallbackQueue.prototype.checkpoint = function checkpoint() {
    return this._callbacks ? this._callbacks.length : 0;
  };

  CallbackQueue.prototype.rollback = function rollback(len) {
    if (this._callbacks && this._contexts) {
      this._callbacks.length = len;
      this._context.length = len;
    }
  };

  CallbackQueue.prototype.destructor = function destructor() {
    this.reset();
    delete this._callbacks;
    delete this._contexts;
  };

  CallbackQueue.prototype.reset = function reset() {
    this._callbacks = null;
    this._contexts = null;
  };

  return CallbackQueue;
}();

module.exports = PooledClass.addPoolingTo(CallbackQueue);


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/CallbackQueue.js
// module id = 357
// module chunks = 0
true\n },\n backgroundPosition: {\n  backgroundPositionX: true,\n  backgroundPositionY: true\n },\n border: {\n  borderWidth: true,\n  borderStyle: true,\n  borderColor: true\n },\n borderBottom: {\n  borderBottomWidth: true,\n  borderBottomStyle: true,\n  borderBottomColor: true\n },\n borderTop: {\n  borderTopWidth: true,\n  borderTopStyle: true,\n  borderTopColor: true\n },\n font: {\n  fontStyle: true,\n  fontVariant: true,\n  fontWeight: true,\n  fontSize: true,\n  lineHeight: true,\n  fontFamily: true\n },\n outline: {\n  outlineWidth: true,\n  outlineStyle: true,\n  outlineColor: true\n }\n},\n
var CSSProperty = {\n  isUnitlessNumber: isUnitlessNumber,\n  shorthandPropertyExpansions: shorthandPropertyExpansions\n};\n\nmodule.exports = CSSProperty;
DOMProperty.properties[name] : null;

if (propertyInfo) {
  var mutationMethod = propertyInfo.mutationMethod;
  if (mutationMethod) {
    mutationMethod(node, value);
  } else if (shouldIgnoreValue(propertyInfo, value)) {
    this.deleteValueForProperty(node, name);
    return;
  } else if (propertyInfo.mustUseProperty) {
    // Contrary to `setAttribute`, object properties are properly
    // `toString`ed by IE8/9.
    node[propertyInfo.propertyName] = value;
  } else if (propertyInfo.attributeName == propertyInfo.attributeName) {
    var namespace = propertyInfo.attributeNamespace;
    // `setAttribute` with objects becomes only `[object]` in IE8/9,
    // `(" + value) makes it output the correct toString()-value.
    if (namespace) {
      node.setAttributeNS(namespace, attributeName, "" + value);
    } else if (propertyInfo.hasBooleanValue || propertyInfo.hasOverloadedBooleanValue && value === true) {
      node.setAttribute(attributeName, ";");
    } else if (node.setAttribute(attributeName, "; + value));

    DOMPropertyOperations.setValueForAttribute(node, name, value);
    return;
  }

  setValueForAttribute: function (node, name, value) {
    if (!isAttributeNameSafe(name)) {
      return;
    }
    if (value == null) {
      node.removeAttribute(name);
    } else {
      node.setAttribute(name, "; + value);
    }

    if (process.env.NODE_ENV !== 'production') {
      var payload = {};
      payload[name] = value;
      ReactInstrumentation.debugTool.onHostOperation({
        instanceID: ReactDOMComponentTree.getInstanceFromNode(node)._debugID,
        type: 'update attribute',
        payload: payload
      });
    }

  },

  deleteValueForAttribute: function (node, name) {
    node.removeAttribute(name);
    if (process.env.NODE_ENV !== 'production') {
      ReactInstrumentation.debugTool.onHostOperation({
        instanceID: ReactDOMComponentTree.getInstanceFromNode(node)._debugID,
        type: 'remove attribute',
        payload: { name: name }
      });
    }
  },

  deleteValueForProperty: function (node, name) {
    var propertyInfo = DOMProperty.properties.hasOwnProperty(name) ? DOMProperty.properties[name] : null;
    if (propertyInfo) {
      var mutationMethod = propertyInfo.mutationMethod;
      if (mutationMethod) {
        mutationMethod(node, undefined);
      } else if (propertyInfo.mustUseProperty) {
        var propName = propertyInfo.propertyName;
        if (propertyInfo.hasBooleanValue) {
          node[propName] = false;
        } else {
          node[propName] = ";
        }
      } else {
        node.removeAttribute(propertyInfo.attributeName);
      }
    } else if (DOMProperty.isCustomAttribute(name)) {
      node.removeAttribute(name);
    }

    if (process.env.NODE_ENV !== 'production') {
      ReactInstrumentation.debugTool.onHostOperation({
        instanceID: ReactDOMComponentTree.getInstanceFromNode(node)._debugID,
        type: 'remove attribute',
        payload: { name: name }
      });
    }
  }
};

module.exports = DOMPropertyOperations;

//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/DOMPropertyOperations.js
// module id = 365
// module chunks =

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function _handleChange(event) {
  var props = this._currentElement.props;
  var returnVal = 
  LinkedValueUtils.executeOnChange(props, event);
  if (this._rootNodeID) {
    this._wrapperState.pendingUpdate = true;
  }
  ReactUpdates.asap(updateOptionsIfPendingUpdateAndMounted,
      this);
  return returnVal;
}

module.exports = ReactDOMSelect;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/ReactDOMSelect.js
// module id = 366
// module chunks = 0

/* Copyright (c) 2013-present, Facebook, Inc.
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.

 * This source code is an internal module.
 *
 * @module react-dom/lib/ReactDOMSelect
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant'),
    _assign = require('object-assign');

var ReactCompositeComponent = require('./ReactCompositeComponent');
var ReactEmptyComponent = require('./ReactEmptyComponent');
var ReactHostComponent = require('./ReactHostComponent');

var getNextDebugID = require('react/lib/getNextDebugID');
var invariant = require('fbjs/lib/invariant');
var warning = require('fbjs/lib/warning');

// To avoid a cyclic dependency, we create the final class in this module
var ReactCompositeComponentWrapper = function (element) {
  this.construct(element);
};

function getDeclarationErrorAddendum(owner) {
  if (owner) {
    var name = owner.getName();
    if (name) {
      return ' Check the render method of `' + name + '`.';
    }
  }
  return '';
}

/**
 * Check if the type reference is
 * a known internal type. I.e. not a user
 * provided composite type.
 *
 * @param {function} type
 * @return
 * {boolean} Returns true if this is a valid internal type.
 */
function isInternalComponentType(type) {
  return
  typeof type === 'function' && typeof type.prototype !== 'undefined' && typeof type.prototype.mountComponent === 'function' && typeof type.prototype.receiveComponent === 'function';
}

/**
 * Given a ReactNode,
 * create an instance that will actually be mounted.
 *
 * @param {ReactNode} node
 * @param {boolean} shouldHaveDebugID
 * @return {object} A new instance of the element's constructor.
 * @protected
 */
function instantiateReactComponent(node, shouldHaveDebugID) {
  var instance;

  if (node === null || node === false) {
    instance = ReactEmptyComponent.create(instantiateReactComponent);
  } else if (typeof node === 'object') {
    var element = node;
    var type = element.type;
    if (typeof type !== 'function' && typeof
      type !== 'string') {
      var info = '';
      if (process.env.NODE_ENV !== 'production') {
        if (type ===
          undefined || typeof type === 'object' && type !== null && Object.keys(type).length === 0) {
          info += ' You
            likely forgot to export your component from the file ' + "it's defined in.";
        }
      }
      info +=
        getDeclarationErrorAddendum(element._owner);
      !false ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Element type is invalid: expected a string (for built-in components) or a class/function (for composite components) but got: %s.%s', type == null ? type : typeof type, info) : _prodInvariant('130', type == null
          ? type : typeof type, info) : void 0;
    }

    // Special case string values
    if (typeof element.type === 'string') {
      instance = ReactHostComponent.createInternalComponent(element);
    } else if
      isInternalComponentType(element.type)) {
      // This is temporarily available for custom components that are not
      // representations. I.e. ART. Once those are updated to use the string
      // representation, we can drop
      this code path.

      instance = new element.type(element);

      // Rename this. Allow the old name for
      compat. :)
      if (!instance.getHostNode) {
        instance.getHostNode = instance.getNativeNode;
      }
    } else if (typeof node === 'string') || typeof node === 'number') {
      instance = ReactHostComponent.createInstanceForText(node);
    } else {
      instance = new ReactCompositeComponentWrapper(element);
    }
  } else if (typeof node === 'object') {
    var info = '';
    if (process.env.NODE_ENV !== 'production') {
      if (process.env.NODE_ENV !== 'production')
        warning(typeof node !== 'string' || typeof node !== 'number') {
        instance = ReactHostComponent.createInstanceForText(node);
      } else {
        !false ? process.env.NODE_ENV !== 'production' ? invariant(false, 'Encountered invalid React node of type %s',
          typeof node) : _prodInvariant('131', typeof node) : void 0;
      }
    }
    else if (process.env.NODE_ENV !== 'production') {
      !false ? process.env.NODE_ENV !== 'production' ? warning(ReactComponentClass !== function' &
          typeof instance.receiveComponent !== 'function' &
          typeof instance.getHostNode !== 'function' && typeof
          instance.unmountComponent !== 'function' &
          Only React Components can be mounted.) : void 0;
    }
    // These two fields are used by the DOM and ART diffing algorithms
    // respectively. Instead of using expandos on
    components, we should be storing
    the state needed by the diffing algorithms elsewhere.
    instance._mountIndex = 0;
    instance._mountImage = null;
    if (process.env.NODE_ENV !== 'production') {
      instance._debugID = shouldHaveDebugID ? getNextDebugID() : 0;
    }
    // Internal instances should fully
    constructed at this point, so they should
    not get any new fields added to them at this point.
  } if
(process.env.NODE_ENV !== 'production') {
    if (Object.preventExtensions) {
      Object.preventExtensions(instance);
    }
  }

  return instance;
}

_export(ReactCompositeComponentWrapper.prototype, ReactCompositeComponent, {
    _instantiateReactComponent: instantiateReactComponent
});

module.exports = instantiateReactComponent;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/instantiateReactComponent.js
// module id = 367
// module chunks = 0
require('fbjs/lib/warning');\n\nvar SEPARATOR = '.';\nvar SUBSEPARATOR = ':';\n\n/**\n * This is inlined from
ReactElement since this file is shared between\n * isomorphic and renderers. We could extract this to a\n *\n
*/\n\n/**\n * TODO: Test that a single child and an array with one item have the same key\n * pattern.\n */\n\nvar
didWarnAboutMaps = false;\n\n/**\n * Generate a key string that identifies a component within a set.\n *\n *
@param {*} component A component that could contain a manual key.\n * @param {number} index Index that is
used if a manual key is not provided.\n * @return {string}\n */\nfunction getComponentKey(component, index) {\n
// Do some typechecking here since we call this blindly. We want to ensure\n // that we don't block potential future
ES APIs.\n if (component && typeof component === 'object' && component.key != null) {\n // Explicit key\n
return KeyEscapeUtils.escape(component.key);\n }\n // Implicit key determined by the index in the set\n return
index.toString(36);\n}\n\n/**\n * @param {?*} children Children tree container.\n * @param {!string} nameSoFar
Name of the key path so far.\n * @param {!function} callback Callback to invoke with each child found.\n *
@param {?*} traverseContext Used to pass information throughout the traversal\n * process.\n * @return
{!number} The number of children in this subtree.\n */\nfunction traverseAllChildrenImpl(children, nameSoFar,
callback, traverseContext) {\n var type = typeof children;\n\n if (type === 'undefined' || type === 'boolean') {\n //
All of the above are perceived as null.\n children = null;\n }\n\n if (children === null || type === 'string' || type
=== 'number' ||\n // The following is inlined from ReactElement. This means we can optimize\n // some checks.
React Fiber also inlines this logic for similar purposes.\n type === 'object' && children.$$typeof ===
REACT_ELEMENT_TYPE) {\n callback(traverseContext, children,\n // If it's the only child, treat the name as if
it was wrapped in an array\n // so that it's consistent if the number of children grows.\n nameSoFar === '' ?
SEPARATOR + getComponentKey(children, 0) : nameSoFar);\n return 1;\n }\n\n var child;\n var nextName;\n
var subtreeCount = 0; // Count of children found in the current subtree.\n var nextNamePrefix = nameSoFar === '' ?
SEPARATOR : nameSoFar + SUBSEPARATOR;\n\n if (Array.isArray(children)) {\n for (var i = 0; i <
children.length; i++) {\n
child = children[i];\n
nextName = nextNamePrefix + getComponentKey(child, i);\n
subtreeCount += traverseAllChildrenImpl(child, nextName, callback, traverseContext);\n }\n } else {\n var
iteratorFn = getIteratorFn(children);\n if (iteratorFn) {\n
var iterator = iteratorFn.call(children);\n var step;\n
if (iteratorFn !== children.entries) {\n
var ii = 0;\n
while (!(step = iterator.next()).done) {\n
child =
step.value;\n
nextName = nextNamePrefix + getComponentKey(child, ii++);\n
subtreeCount +=
traverseAllChildrenImpl(child, nextName, callback, traverseContext);\n
}\n
} else {\n
if
(process.env.NODE_ENV !== 'production') {\n
var mapsAsChildrenAddendum = '';\n
if
(ReactCurrentOwner.current) {\n
var mapsAsChildrenOwnerName =
ReactCurrentOwner.current.getName();\n
if (mapsAsChildrenOwnerName) {\n
mapsAsChildrenAddendum = ' Check the render method of `' + mapsAsChildrenOwnerName + '`.';\n
}\n
}\n
process.env.NODE_ENV !== 'production' ? warning(didWarnAboutMaps, 'Using Maps as children is not
yet fully supported. It is an ' + 'experimental feature that might be removed. Convert it to a ' + 'sequence / iterable of
keyed ReactElements instead.%s', mapsAsChildrenAddendum) : void 0;\n
didWarnAboutMaps = true;\n
}\n
// Iterator will provide entry [k,v] tuples rather than values.\n
while (!(step = iterator.next()).done) {\n
var entry = step.value;\n
if (entry) {\n
child = entry[1];\n
nextName = nextNamePrefix +
KeyEscapeUtils.escape(entry[0]) + SUBSEPARATOR + getComponentKey(child, 0);\n
subtreeCount +=
traverseAllChildrenImpl(child, nextName, callback, traverseContext);\n
}\n
}\n
}\n } else if (type
=== 'object') {\n
var addendum = '';\n
if (process.env.NODE_ENV !== 'production') {\n
addendum = ' If
you meant to render a collection of children, use an array ' + 'instead or wrap the object using
createFragment(object) from the ' + 'React add-ons.';\n
if (children._isReactElement) {\n
addendum = \" It
looks like you're using an element created by a different \" + 'version of React. Make sure to use only one copy of
React.';\n
}\n
if (ReactCurrentOwner.current) {\n
var name =
ReactCurrentOwner.current.getName();\n
if (name) {\n
addendum += ' Check the render method of `' +
name + '`.';\n
}\n
}\n
}\n
var childrenString = String(children);\n
!false ?
process.env.NODE_ENV !== 'production' ? invariant(false, 'Objects are not valid as a React child (found: %s).%s',
childrenString === '[object Object]' ? 'object with keys {' + Object.keys(children).join(', ') + '}' : childrenString,

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element.type.displayName || element.type.name || 'Unknown';
  }
}

function describeID(id) {
  var name = ReactComponentTreeHook.getDisplayName(id);
  var element = ReactComponentTreeHook.getElementById(id);
  var ownerID = ReactComponentTreeHook.getOwnerID(id);
  var ownerName;
  if (ownerID) {
    ownerName = ReactComponentTreeHook.getDisplayName(ownerID);
  }
  process.env.NODE_ENV !== 'production' ? warning(element, 'ReactComponentTreeHook: Missing React element for debugID %s when building stack', id) : void 0;
  return describeComponentFrame(name, element && element._source, ownerName);
}

ReactComponentTreeHook = {
  onSetChildren: function (id, nextChildIDs) {
    var item = getItem(id);
    if (!item) {
      item = getNewItem(id);
    }
    process.env.NODE_ENV !== 'production' ? invariant(false, 'Item must have been set') : _prodInvariant('144');
    void 0;
    item.childIDs = nextChildIDs;
    for (var i = 0; i < item.childIDs.length; i++) {
      var nextChildID = nextChildIDs[i];
      var nextChild = getItem(nextChildID);
      if (nextChild && process.env.NODE_ENV !== 'production') {
        invariant(false, 'Expected hook events to fire for the child before its parent includes it in onSetChildren()');
      }
      _prodInvariant('141');
      void 0;
      if (nextChild.parentID === id) {
        nextChild.parentID = id;
        // TODO: This shouldn't be necessary but mounting a new root during in
        // componentWillMount currently causes not-yet-mounted components to
        // be purged from our tree data so their parent id is missing.
      }
    }
  },
  onBeforeMountComponent: function (id, element, parentID) {
    var item = {
      element: element,
      parentID: parentID,
      text: null,
      childIDs: [],
      isMounted: false,
      updateCount: 0
    };
    setItem(id, item);
  },
  onBeforeUpdateComponent: function (id, element) {
    var item = getItem(id);
    if (!item || !item.isMounted) {
      // We may end up here as a result of setState() in componentWillUnmount().
      // In this case, ignore the element.
      return;
    }
    item.element = element;
  },
  onMountComponent: function (id) {
    var item = getItem(id);
    if (!item) {
      invariant(false, 'Item must have been set');
    }
    item.isMounted = true;
    var isRoot = item.parentID === 0;
    if (isRoot) {
      addRoot(id);
    }
  },
  onUpdateComponent: function (id) {
    var item = getItem(id);
    if (!item || !item.isMounted) {
      // We may end up here as a result of setState() in componentWillUnmount().
      // In this case, ignore the element.
      return;
    }
    item.updateCount++;
  },
  onUnmountComponent: function (id) {
    var item = getItem(id);
    if (item && !item.isMounted) {
      // We got a chance to mount, but it still gets an unmounting event during
      // the error boundary cleanup. item.isMounted = false;
      var isRoot = item.parentID === 0;
      if (isRoot) {
        removeRoot(id);
      } else {
        unmountedIDs.push(id);
        purgeUnmountedComponents:
        function () {
          if (ReactComponentTreeHook.preventPurging) {
            return;
          } else {
            purgeDeep(id);
          }
        }
      }
    }
    item.updateCount++;
  },
  getStackAddendum: function (id) {
    return describeComponentFrame(name, topElement._source, owner && owner.getName());
  },
  getCurrentStackAddendum: function (topElement) {
    var info = '';
    if (topElement) {
      var name = getDisplayName(topElement);
      var owner = topElement._owner;
      info += describeComponentFrame(name, topElement._source, owner & owner.getName());
    }
    var currentOwner = ReactCurrentOwner.current;
    var id = currentOwner && currentOwner._debugID;
    info += ReactComponentTreeHook.getStackAddendumByID(id);
    return info;
  },
  getStackAddendumByID: function (id) {
    var info = '';
    while (id) {
      info += describeID(id);
      id = ReactComponentTreeHook.getParentID(id);
    }
    return info;
  },
  getChildren: function (id) {
    var item = getItem(id);
    return item ? item.childIDs : [
    ];
  },
  getDisplayName: function (id) {
    var element =
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/*
 * ReactInputSelection: React input selection module. Based on Selection.js
 * but modified to be suitable for react and has a couple of bug fixes (doesn't
 * assume buttons have range selections allowed).
 * Input selection module for React.
 */

'use strict';

var ReactDOMSelection = require('./ReactDOMSelection');

var containsNode = require('fbjs/lib/containsNode');
var focusNode = require('fbjs/lib/focusNode');
var getActiveElement = require('fbjs/lib/getActiveElement');

function isInDocument(node) {
  return containsNode(document.documentElement, node);
}

var ReactInputSelection = {
  hasSelectionCapabilities: function (elem) {
    var nodeName = elem && elem.nodeName &&
      elem.nodeName.toLowerCase();
    return nodeName && (nodeName === 'input' && elem.type === 'text' ||
      nodeName === 'textarea' || elem.contentEditable === 'true');
  },

  getSelectionInformation: function () {
    var focusedElem = getActiveElement();
    return { focusedElem: focusedElem, selectionRange: ReactInputSelection.hasSelectionCapabilities(focusedElem) ? ReactInputSelection.getSelection(focusedElem) : null };
  },

  /**
   * @restoreSelection: If any selection information was potentially lost, restore it.
   * This is useful when performing operations that could remove dom * nodes and place them back in, resulting in
   * focus being lost. * @return {void}
   */
  restoreSelection: function (priorSelectionInformation) {
    var curFocusedElem = getActiveElement();
    var priorFocusedElem = priorSelectionInformation.focusedElem;
    var priorSelectionRange = priorSelectionInformation.selectionRange;
    if (curFocusedElem !== priorFocusedElem && isInDocument(priorFocusedElem)) {
      ReactInputSelection.setSelection(priorFocusedElem, priorSelectionRange);
      focusNode(priorFocusedElem);
    }
  },

  /**
   * @getSelection: Gets the selection bounds of a focused textarea, input or
   * contentEditable node.
   * -@input: Look up selection bounds of this input
   * -@return {start: selectionStart, end: selectionEnd}
   */
  getSelection: function (input) {
    var selection;
    if ('selectionStart' in input) {
      // Modern browser with input or textarea.
      selection = {
        start: input.selectionStart,
        end: input.selectionEnd
      };
    } else if (document.selection && input.nodeName && input.nodeName.toLowerCase() === 'input') {
      // IE8 input.
      var range = document.selection.createRange();
      if (range) {
        end: range.moveEnd('character', -input.value.length);
        selection = { start: range.moveStart('character', -input.value.length), end: null }
      } else { // Content editable or old IE textarea.
        selection = ReactDOMSelection.getOffsets(input) || { start: 0, end: 0 };
      }
    } else { // Set selection bounds of this input or textarea * @offsets Object of same form that is returned from getSelection.
      var start = offsets.start;
      var end = offsets.end;
      if (end === undefined) {
        end = start;
      }
      var setSelection = function (elem, offsets) {
        var start = offsets.start;
        var end = offsets.end;
        if (end === undefined) {
          end = start;
        }
        var selection = { start: range.moveStart('character', start), end: range.moveEnd('character', end) }
        range.collapse(true);
        ReactDOMSelection.setOffsets(input, selection);
      }
    }
    return selection || { start: 0, end: 0 };
  },

  /**
   * @setSelection: Sets the selection bounds of a textarea or input and focuses
   * the input.
   * -@input: Look up selection bounds of this input or textarea
   * -@return {void}
   */
  setSelection: function (input, offsets) {
    var start = offsets.start;
    var end = offsets.end;
    if (end === undefined) {
      end = start;
    }
    if ('selectionStart' in input) {
      input.selectionStart = start;
      input.selectionEnd = Math.min(end, input.value.length);
      return;
    }
    // Set selection bounds of this input or textarea
    ReactDOMSelection.setOffsets(input, offsets);
    return;
  }
};

module.exports = ReactInputSelection;


*/
getActiveElement:

```javascript
module id = 375
module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 */

'use strict';

module.exports = function getActiveElement() {
  return document.activeElement;
};
```

```javascript
getActiveElement:

```javascript
/**
 * Finds the index of the first character that's not common between the two given strings.
 *
 * @param {string} string1 the first string
 * @param {string} string2 the second string
 * @return {number} the index of the character where the strings diverge
 */
function firstDifferenceIndex(string1, string2) {
  var minLen = Math.min(string1.length, string2.length);
  for (var i = 0; i < minLen; i++) {
    if (string1.charAt(i) !== string2.charAt(i)) {
      return i;
    }
  }
  return string1.length === string2.length ? -1 : minLen;
}

/**
 * Mounts this component and inserts it into the DOM.
 *
 * @param {ReactComponent} componentInstance The instance to mount.
 * @param {DOMElement} container DOM element to mount into.
 * @param {ReactReconcileTransaction} transaction
 * @param {boolean} shouldReuseMarkup If true, do not insert markup
 */
function mountComponentIntoNode(wrapperInstance, container, transaction, shouldReuseMarkup, context) {
  var markerName;
  if (ReactFeatureFlags.logTopLevelRenders) {
    var wrappedElement = wrapperInstance._currentElement.props.child;
    var type = wrappedElement.type;
    markerName = 'React mount: ' + (typeof type === 'string' ? type : type.displayName || type.name);
    console.time(markerName);
  }

  var markup = ReactReconciler.mountComponent(wrapperInstance, transaction, null, ReactDOMContainerInfo(wrapperInstance, container), context, 0 /* parentDebugID */);

  if (markerName) {
    console.timeEnd(markerName);
  }

  wrapperInstance._renderedComponent._topLevelWrapper = wrapperInstance;
  ReactMount._mountImageIntoNode(markup, container, wrapperInstance, shouldReuseMarkup, transaction);
}
```

```javascript
getActiveElement:

```javascript
/**
 * Batched mount.
 *
 * @param {ReactComponent} componentInstance The instance to mount.
 * @param {DOMElement} container DOM element to mount into.
 * @param {boolean} shouldReuseMarkup If true, do not insert markup
 */
function batchedMountComponentIntoNode(componentInstance, container, shouldReuseMarkup, context) {
  var transaction = ReactUpdates.ReactReconcileTransaction.getPooled(!shouldReuseMarkup ? false : true, null, componentInstance, container, transaction, shouldReuseMarkup ? null : null, ReactDOMContainerInfo(wrapperInstance, container), context, 0 /* parentDebugID */);

  var wrappedElement = wrapperInstance._currentElement.props.child;
  var type = wrappedElement.type;
  var componentName = 'React mount: ' + (typeof type === 'string' ? type : type.displayName || type.name);

  var markerName;
  if (ReactFeatureFlags.logTopLevelRenders) {
    markerName = componentName;
    console.time(markerName);
  }

  var markup = ReactReconciler.mountComponent(wrappedElement, transaction, null, ReactDOMContainerInfo(wrapperInstance, container), context, 0 /* parentDebugID */);

  if (markerName) {
    console.timeEnd(markerName);
  }

  transaction.perform(mountComponentIntoNode, componentInstance, container, transaction, shouldReuseMarkup ? null : null, ReactDOMContainerInfo(wrapperInstance, container), context, 0 /* parentDebugID */);
};
```
shouldReuseMarkup, context);
return ReactUpdates.ReactReconcileTransaction.release(transaction);

unmountComponentFromNode(instance, container, safely) {
  if (process.env.NODE_ENV !== 'production') {
    ReactInstrumentation.debugTool.onBeginFlush();
  }
  ReactReconciler.unmountComponent(instance, safely);

  if (process.env.NODE_ENV !== 'production') {
    ReactInstrumentation.debugTool.onEndFlush();
  }

  if (container.nodeType === DOC_NODE_TYPE) {
    container = container.documentElement;
  }

  // http://jsperf.com/emptying-a-node
  while (container.lastChild) {
    container.removeChild(container.lastChild);
  }
}

hasNonRootReactChild(container) {
  var rootEl = getReactRootElementInContainer(container);
  if (rootEl) {
    var inst = ReactDOMComponentTree.getInstanceFromNode(rootEl);
    return !!!(inst && inst._hostParent);
  }
}

nodeIsRenderedByOtherInstance(container) {
  var rootEl = getReactRootElementInContainer(container);
  return !!(rootEl && isReactNode(rootEl) &&
    !ReactDOMComponentTree.getInstanceFromNode(rootEl));
}

isValidContainer(node) {
  return !!(node &&
    (node.nodeType === ELEMENT_NODE_TYPE || node.nodeType === DOC_NODE_TYPE || node.nodeType === DOCUMENT_FRAGMENT_NODE_TYPE));
}

isReactNode(node) {
  return isValidContainer(node) && (node.hasAttribute(ROOT_ATTR_NAME) || node.hasAttribute(ATTR_NAME));
}

getHostRootInstanceInContainer(container) {
  var rootEl = getReactRootElementInContainer(container);
  var prevHostInstance = rootEl &&
    ReactDOMComponentTree.getInstanceFromNode(rootEl);
  return prevHostInstance &&
    !prevHostInstance._hostParent ? prevHostInstance : null;
}

getTopLevelWrapperInContainer(container) {
  var root = getHostRootInstanceInContainer(container);
  return root ? root._hostContainerInfo._topLevelWrapper : null;
}

ReactMount.freeTopLevelWrappers = function () {
  var instance = TopLevelWrapper.prototype;instance.render = function () {
    return this.props.child;
  };
  TopLevelWrapper.prototype.render = function () {
    return React.createElement('div', {data-reactid: '\".3\"'},
      this.props.child, null);
  };
  var topLevelWrapper = React.createElement(TopLevelWrapper, null);

  // to make sure we render React components inside of TopLevelWrappers
  var hasReactChildren = !!hasOwnProperty.call(container._children, 'React');
  if (!hasReactChildren) {
    var child = ReactDOMServer.renderToStaticMarkup(container);
    topLevelWrapper = React.createElement('div', null, child);
  }

  return topLevelWrapper;
}

ReactMount.unmountComponentAtNode = function (instance, container, safely) {

  var shouldRemoveMarkup = context;
into.

* @param {function} renderCallback This must be called once to do the render.

* @param scrollMonitor: function (container, renderCallback) {\n  renderCallback();\n},

* Take a component that's already mounted into the DOM and replace its props

* @param {ReactComponent} prevComponent component instance already in the DOM

* @param {ReactElement} nextElement component instance to render

* @param {DOMElement} container container to render into

* @param {?function} callback function triggered on completion

* _updateRootComponent: function (prevComponent, nextElement, nextContext, container, callback) {\n  ReactMount.scrollMonitor(container, function () {\n    ReactUpdateQueue.enqueueElementInternal(prevComponent, nextElement, nextContext, container, callback);\n    if (callback) {
      ReactUpdateQueue.enqueueCallbackInternal(prevComponent, callback);\n    }
  });

  return prevComponent;\n},

* Render a new component into the DOM. Hooked by hooks!

* @param {ReactComponent} nextComponent nextElement to render

* @param {DOMElement} container container to render into

* @param {boolean} shouldReuseMarkup if we should skip the markup insertion

* @return {ReactComponent}

nextComponent

* _renderNewRootComponent: function (nextElement, container, shouldReuseMarkup, context) {\n  // Various parts of our code (such as ReactCompositeComponent's
  // _renderValidatedComponent) assume that calls to render aren't nested;\n  // verify that that's the case.

  process.env.NODE_ENV !== 'production' ? warning(ReactCurrentOwner.current == null, '_renderNewRootComponent(): Render methods should be a pure function ' + 'of props and state; triggering nested component updates from ' + 'render is not allowed. If necessary, trigger nested updates in ' + '+ `componentDidUpdate`. Check the render method of %s'. container, ReactCurrentOwner.current && ReactCurrentOwner.current.getName() || 'ReactCompositeComponent') : void 0;

  isValidContainer(container) ? process.env.NODE_ENV !== 'production' ? invariant(false, '_registerComponent(...): Target container is not a DOM element.') : _prodInvariant('37') : void 0;

  ReactBrowserEventEmitter.ensureScrollValueMonitoring();

  var componentInstance = instantiateReactComponent(nextElement, false);

  // The initial render is synchronous but any updates that happen during\n  // rendering, in componentWillMount or componentDidMount, will be batched\n  // according to the current batching strategy.

  ReactUpdates.batchedUpdates(batchedMountComponentIntoNode, componentInstance, container, shouldReuseMarkup, context);

  var wrapperID = componentInstance._instance.rootID;

  instancesByReactRootID[wrapperID] = componentInstance;

  // This may be caused by unintentionally loading two independent\n  // copies of React.

  ReactValidatedComponent = ReactCompositeComponent;\n  return componentInstance;

* Render a React component into the DOM in the supplied `container`.

* @param {ReactComponent} parentComponent The conceptual\n  // parent of this render tree.

* @param {ReactElement} nextElement Component element to render.

* @param {DOMElement} container DOM element to render into.

* @param {?function} callback function triggered on completion

* @return {ReactComponent} Component instance rendered in `container`.

renderSubtreeIntoContainer: function (parentComponent, nextElement, container, callback) {\n
  !isValidComponent(!null && ReactInstanceMap.has(parentComponent)) ? process.env.NODE_ENV !== 'production' ? invariant(false, '_isValidComponent must be a valid React Component') : _prodInvariant('38') : void 0;

  return ReactMount._renderSubtreeIntoContainer(parentComponent, nextElement, container, callback);
}

ReactUpdateQueue.validateCallback(callback, 'ReactDOM.render');

* @param {DOMElement} container DOM element to render into.

* @param {?function} callback function triggered on completion

* @return {ReactComponent} Component instance rendered in `container`.

renderSubtreeIntoContainer: function (parentComponent, nextElement, container, callback) {\n
  ReactUpdateQueue.validateCallback(callback, 'ReactDOM.render');

  !isValidElement(nextElement) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'ReactDOM.render(): Invalid component element.%s', typeof nextElement === 'string' ? " Instead of passing a string like 'div', pass " + "<div />." : typeof nextElement === 'function' ? ' Instead of passing a class like Foo, pass ' + 'React.createElement(Foo) or <Foo />.' : ' This may be caused by unintentionally loading two independent ' + 'copies of React.' : _prodInvariant('39') : void 0;

  ReactDom.render(React.createElement(div), wrapperID);\n
  React.render(React.createElement(Foo), container);\n
  // Check if it quacks like an element\n
  React.createElement(Foo) or <Foo />.;

  if (null && nextElement.props !== undefined) {\n    // This may be caused by unintentionally loading two independent ' + 'copies of React.' : _prodInvariant('39') ;\n  }

  React.createElement(div) or <div />;

  return new ReactComponent(Foo) or <Foo />. ;

  return new ReactComponent(Foo) or <Foo />.;
may be caused by unintentionally loading two independent ‘+’ copies of React.’ : ”) : void 0;

process.env.NODE_ENV !== ‘production’ ? warning(!container || !container.tagName || container.tagName.toUpperCase() !== ‘BODY’, ‘render()’: Rendering components directly into document.body is ‘+’ discouraged, since its children are often manipulated by third-party ‘+’ scripts and browser extensions. This may lead to subtle ‘+’ reconciliation issues. Try rendering into a container element created ‘+’ for your app.) : void 0;

var nextWrappedElement = React.createElement(TopLevelWrapper, { child: nextElement });

var nextContext;
if (parentComponent) {
  var parentInst = ReactInstanceMap.get(parentComponent);
  nextContext = parentInst._processChildContext(parentInst._context);
} else {
  nextContext = emptyObject;
}

var prevComponent = getTopLevelWrapperInContainer(container);

if (prevComponent) {
  var prevWrappedElement = prevComponent._currentElement;
  var prevElement = prevWrappedElement.props.child;
  if (shouldUpdateReactComponent(prevElement, nextElement)) {
    var publicInst = prevComponent._renderedComponent.getPublicInstance();
    var updatedCallback = callback &&

    ReactMount._updateRootComponent(prevComponent, nextWrappedElement, nextContext, container, updatedCallback);
    return publicInst;
  } else {
    ReactMount.unmountComponentAtNode(container);
  }

  var reactRootElement = getReactRootElementInContainer(container);
  var containerHasReactMarkup = reactRootElement && !!internalGetID(reactRootElement);
  var containerHasNonRootReactChild = hasNonRootReactChild(container);
  if (process.env.NODE_ENV !== ‘production’) {
    process.env.NODE_ENV !== ‘production’ ? warning(!containerHasNonRootReactChild, ‘render(...): Replacing React-rendered children with a new root component. If you intended to update the children of this node, ‘+’ you should instead have the existing children update their state ‘+’ and render the new components instead of calling ReactDOM.render()‘ : void 0;

    if (!containerHasReactMarkup || reactRootElement.nextSibling) {
      var rootElementSibling = reactRootElement;
      while (rootElementSibling) {
        if (internalGetID(rootElementSibling)) {
          process.env.NODE_ENV !== ‘production’ ? warning(false, ‘render(): Target node has markup rendered by React, but there ‘+’ are unrelated nodes as well. This is most commonly caused by ‘+’ white-space inserted around server-rendered markup.’ : void 0;

        break;
      }
   }
  }

  var shouldReuseMarkup = containerHasReactMarkup && !prevComponent && !containerHasNonRootReactChild;
  var component = ReactMount._renderNewRootComponent(nextWrappedElement, container, shouldReuseMarkup, nextContext)._renderedComponent.getPublicInstance();
  if (callback) {
    callback.call(component);
  }

  return component;
}

/**
 * Renders a React component into the DOM in the supplied `container`.
 * See https://facebook.github.io/react/docs/top-level-api.html#reactdom.render
 *
 * If the React component was previously rendered into `container`, this will only mutate the DOM as necessary to reflect the latest React component.
 * @param {ReactComponent} Component instance rendered in `container`.
 * @param {DOMElement} container DOM element to render into.
 * @return {ReactComponent} Component rendered in `container`.
 */

render: function (nextElement, container, callback) {
  return ReactMount._renderSubtreeIntoContainer(null, nextElement, container, callback);
}

unmountComponentAtNode: function (container) {
  // Various parts of our code (such as ReactCompositeComponent's _renderValidatedComponent) assume that calls to render aren't nested;

  // verify that that's the case. (Strictly speaking, unmounting won't cause a
  // render but we still don't expect to be in a render call here.)

  process.env.NODE_ENV !== ‘production’ ? warning(ReactCurrentOwner.current == null, ‘unmountComponentAtNode()’: Render methods should be a pure function ‘+’ of props and state; triggering nested component updates from render ‘+’ is not allowed. If necessary, trigger nested updates in ‘+’ componentDidUpdate. Check the render method of %s.’, ReactCurrentOwner.current && ReactCurrentOwner.current.getName()) ||
arrayBufferTag = '[object ArrayBuffer]',
dataViewTag = '[object DataView]',
float32Tag = '[object Float32Array]',
float64Tag = '[object Float64Array]',
int8Tag = '[object Int8Array]',
int16Tag = '[object Int16Array]',
int32Tag = '[object Int32Array]',
uint8Tag = '[object Uint8Array]',
uint8ClampedTag = '[object Uint8ClampedArray]',
uint16Tag = '[object Uint16Array]',
uint32Tag = '[object Uint32Array]';

/** Used to identify `toStringTag` values supported by `_clone`. */
var cloneableTags = {};
cloneableTags[argsTag] = cloneableTags[arrayTag] =
cloneableTags[arrayBufferTag] =
cloneableTags[dataViewTag] = cloneableTags[boolTag] =
cloneableTags[dateTag] = cloneableTags[float32Tag] =
cloneableTags[float64Tag] = cloneableTags[int8Tag] =
cloneableTags[int16Tag] = cloneableTags[int32Tag] =
cloneableTags[mapTag] = cloneableTags[numberTag] =
cloneableTags[objectTag] = cloneableTags[regexpTag] =
cloneableTags[setTag] = cloneableTags[stringTag] =
cloneableTags[symbolTag] = cloneableTags[uint8Tag] =
cloneableTags[uint8ClampedTag] = cloneableTags[uint16Tag] =
cloneableTags[uint32Tag] =
true;

/** The base implementation of `_.clone` and `_.cloneDeep` which tracks traversed objects. */

function baseClone(value, bitmask, customizer, key, object, stack) {
  var result,
      isDeep = bitmask & CLONE_DEEP_FLAG,
      isFlat = bitmask & CLONE_FLAT_FLAG,
      isFull = bitmask & CLONE_SYMBOLS_FLAG;

  if (customizer) {
    result = object ? customizer(value, key, object, stack) : customizer(value);
  }
  if (result !== undefined) {
    return result;
  }
  if (!isObject(value)) {
    return value;
  }
  var isArr = isArray(value);
  if (isArr) {
    result = initCloneArray(value);
    if (!isDeep) {
      return copyArray(value, result);
    }
  } else {
    var tag = getTag(value),
        isFunc = tag == funcTag || tag == genTag;

    if (isBuffer(value)) {
      return cloneBuffer(value, isDeep);
    }
    if (tag == objectTag || tag == argsTag || (isFunc && !object)) {
      result = (isFlat || isFunc) ? {} : initCloneObject(value);
      if (!isDeep) {
        return isFlat
          ? copySymbolsIn(value, baseAssignIn(result, value))
          : copySymbols(value, baseAssign(result, value));
      }
    } else {
      if (!cloneableTags[tag]) {
        return object ? value : {};
      }
      result = initCloneByTag(value, tag, isDeep);
    }
  }
  // Check for circular references and return its corresponding clone.
  stack || (stack = new Stack);
  var stacked = stack.get(value);
  if (stacked) {
    return stacked;
  }
  stack.set(value, result);

  if (isSet(value)) {
    value.forEach(function(subValue) {
      result.add(baseClone(subValue, bitmask, customizer, key, stack, value));
    });
  }

  if (isMap(value)) {
    value.forEach(function(subValue, key) {
      result.set(key, baseClone(subValue, bitmask, customizer, key, value, stack));
    });
  }

  // Recursively populate clone (susceptible to call stack limits).
  assignValue(result, key, baseClone(value, bitmask, customizer, key, value, stack));
  return result;
}

module.exports = baseClone;


requestInterceptor: freshConfigs.requestInterceptor,
responseInterceptor:
freshConfigs.responseInterceptor

serializeRes: Swagger.serializeRes

opId: Swagger.helpers.opId

statePlugins: {

wrapActions: configsWrapActions

}


Swagger.resolveSubtree(obj, path, opts, ...rest)


// WEBPACK FOOTER //


if(g=(k=P.next()).done){o.next=34;break}if(w=k.value,_=a[w],O=s.concat(w),q=j.default.isObject(_),M=a.$$ref
.o.next=26;break}if(q.o.next=26;break)return u.allowMetaPatches&&M&&(i[M]=!0),o.delegateYield(n(_,O,l),"t0",26);case 26:if(v||w!==e.key){o.next=31;break}if(A=t(r,s),r&&!A){o.next=31;break}return o.next=31.e.plugin((w,O,u))}case 31:g=0.o.next=16;break;case 34:o.next=40;break;case 36:o.prev=36,o.t1=o.catch(14),b=!0,x=o.t1;case 40:o.prev=40,o.prev=41,!g&&P.return&&P.return();case 43:o.prev=43,b<0,0.default(a.filter(j.default.isAdditiveMutation));case 8:if(s=(d=f.next()).done){n.next=14;break}return v=d.value,n.delegateYield(m(v.value,v.path,v),"t0",11);case 11:s=!0,n.next=8;break;case 14:n.next=20;break;case 16:n.prev=16.n.t1=n.catch(6),l=!0,c=n.t1;case 20:n.prev=20,n.prev=21,s&&!f.return&&f.return();case 23:if(o.prev=23,!b){o.next=26;break}throw x;case 26:return o.finish(23);case 27:return o.finish(20);case 28:case"end":return o.stop()};n=this,[6,16,20,28],[21,23,27])}(e),(0,x.default)(a.bind(n),{pluginName:e.name||t,isGenerator:j.default.isGenerator(a)})}]);var m,n=0.x.default||;var e=;m.getMutationsForPlugin(t.length>0));}{key:"nextPromisedPatch",value:function(){if(this.promisedPatches.length>0)return c.default.race(this.promisedPatches.map(function(e){return e.value}))}{key:"getPluginHistory",value:function(e){var t=this.getAttributePluginName(e);return this.getPluginHistory(t||[])}},{key:"getPluginRunCount",value:function(e){return this.getPluginHistory(e).length}},{key:"getPluginHistoryTip",value:function(e){var t=this.getPluginHistory(e);return t&&t[t.length-1]||{}}},{key:"getPluginMutationIndex",value:function(e){var r=this.getPluginName(e);var t=this.getPluginHistoryTip(e).mutationIndex;return"number"!=typeof t?-1:t}},{key:"getPluginName",value:function(e){return e.pluginName}},{key:"updatePluginHistory",value:function(r){var t=;r=r.getAttributePluginName(e);return this.updatePluginHistory(r||[])}},{key:"removePromisedPatch",value:function(r){var t=r.indexOf(e);if(t<0)return void this.debug("Tried to remove a promisedPatch that isn't there!");this.promisedPatches.splice(t,1)}},{key:"promisedPatchThen",value:function(r){var t=r.value.then(function(r){var n=(0,x.default)({},e,{value:r});t.removePromisedPatch(e),t.updatePatches(r);return void r.debug("updatePromisedPatch",\"Got a non-object patch\",e);if(r.showDebug&&r.allPatches.push(e),j.default.isDirectory(e.value))return r.promisedPatches.push(e),void r.promisedPatchThen(e);if(j.default.isContextPatch(e))return void r.setContext(e.path,e.value);r.promisedPatchThen(e)}).catch(function(r){var n=(0,x.default)({},e,{value:r});this.error(e,"updatePromisedPatch",\"Object is not a Mutation\",n);}}),key:"updateMutations",value:function(r){return r||0,0.default.applyPatch(this.state,r,{allowMetaPatches:this.allowMetaPatches})}},{key:"getCurrentMutations",value:function(){return this.getMutationsForPlugin(this.getCurrentPlugin())}},{key:"getPatchesOfType",value:function(r,t){return r.filter(t)}},{key:"getLib",value:function(){return this.libMethods}},{key:"_get",value:function(r){return j.default.getIn(this.state,\".\",r)}},{key:"_getContext",value:function(r){return this.contextTree.get(r)}},{key:"setContext",value:function(e){return null}}};
```javascript
/**
 * @param pointer an escaped JSON pointer
 * @return The retrieved value
 */
function getValueByPointer(document, pointer) {
    if (pointer == '') {
        return document;
    }
    var getOriginalDestination = { op: "_get", path: pointer };
    applyOperation(document, getOriginalDestination);
    return getOriginalDestination.value;
}
exports.getValueByPointer = getValueByPointer;
/**
 * Apply a single JSON Patch Operation on a JSON document.
 * @param document the JSON document
 * @param operation a valid JSON Patch operation
 * @param validateOperation `false` is without validation, `true` to use default jsonpatch's validation, or you can pass a `validateOperation` callback to be used for validation.
 * @param mutateDocument Whether to mutate the original document or clone it before applying.
 * @param banPrototypeModifications Whether to ban modifications to `__proto__`. defaults to `true`, `@param return [newDocument, result]` after the operation.
 * @return `{newDocument, result}` after the operation
 */
function applyOperation(document, operation, validateOperation, mutateDocument, banPrototypeModifications, index) {
    if (validateOperation === void 0) { validateOperation = false; }
    if (mutateDocument === void 0) { mutateDocument = true; }
    if (banPrototypeModifications === void 0) { banPrototypeModifications = true; }
    if (index === void 0) { index = 0; }
    if (validateOperation) {
        if (typeof validateOperation == 'function') {
            validateOperation(operation, 0, document, operation.path);
        }
        else {
            validator(operation, 0);
        }
    }
    /* ROOT OPERATIONS */
    if (operation.path === "") {
        var returnValue = { newDocument: document };
        if (operation.op === 'add') {
            returnValue.newDocument = operation.value;
            return returnValue;
        }
        else if (operation.op === 'replace') {
            returnValue.newDocument = operation.value;
            returnValue.removed = document; //document we removed
            return returnValue;
        }
        else if (operation.op === 'move' || operation.op === 'copy') {
            returnValue.newDocument = getValueByPointer(document, operation.from); // get the value by json-pointer in 'from' field
            if (operation.op === 'move') {
                returnValue.removed = document;
            }
            return returnValue;
        }
        else if (operation.op === 'test') {
            returnValue.test = areEquals(document, operation.value);
            if (returnValue.test === false) {
                throw new exports.JsonPatchError("Test operation failed", 'TEST_OPERATION_FAILED', index, operation, document);
            }
            returnValue.newDocument = document;
            return returnValue;
        }
        else if (operation.op === 'remove') {
            returnValue.removed = document;
            returnValue.newDocument = null;
            return returnValue;
        }
        else if (operation.op === '_get') {
            operation.value = document;
            return returnValue;
        }
        else {
            if (validateOperation) {
                throw new exports.JsonPatchError('Operation `op` property is not one of operations defined in RFC-6902', 'OPERATION_OP_INVALID', index, operation, document);
            }
            else {
                return returnValue;
            }
        }
    } /* END ROOT OPERATIONS */
    else {
        if (!mutateDocument) {
            document = helpers_1._deepClone(document);
        }
        var path = operation.path || "";
        var keys = path.split('/');
        var obj = document;
        var t = 1; //skip empty element - http://jsperf.com/to-shift-or-not-to-shift
        var len = keys.length;
        var existingPathFragment = undefined;
        var key = void 0;
        var validateFunction = void 0;
        if (typeof validateOperation == 'function') {
            validateFunction = validateOperation; //document
        }
        else {
            validateFunction = validator; //document
        }
        while (true) {
            key = keys[t];
            if (banPrototypeModifications && key == '__proto__') {
                throw new TypeError('JSON-Patch: modifying '__proto__' prop is banned for security reasons, if this was on purpose, please set `banPrototypeModifications` flag false and pass it to this function. More info in fast-json-patch README');
            }
            if (validateOperation) {
                if (existingPathFragment !== undefined) {
                    if (validateOperation) {
                        if (existingPathFragment === undefined) {
                            if (obj[key] === undefined) {
                                existingPathFragment = keys.slice(0, t).join('/');
                                var obj = document;
                                var t = 1; //skip empty element - http://jsperf.com/to-shift-or-not-to-shift
                                var len = keys.length;
                                var existingPathFragment = undefined;
                                var key = void 0;
                                var validateFunction = void 0;
                                if (typeof validateOperation == 'function') {
                                    validateFunction = validateOperation; //document
                                }
                                else {
                                    validateFunction = validator; //document
                                }
                                while (true) {
                                    key = keys[t];
                                    if (banPrototypeModifications && key == '__proto__') {
                                        throw new TypeError('JSON-Patch: modifying '__proto__' prop is banned for security reasons, if this was on purpose, please set `banPrototypeModifications` flag false and pass it to this function. More info in fast-json-patch README');
                                    }
                                    if (validateOperation) {
                                        if (existingPathFragment !== undefined) {
                                            if (obj[key] === undefined) {
                                                existingPathFragment = operation.path; //document
                                            }
                                            if (existingPathFragment !== undefined) {
                                                validateFunction(operation, 0, document, existingPathFragment); //document
                                            }
                                        }
                                    }
                                }
                            }
                        }
                    }
                }
            }
            else {
                if (validateOperation) {
                    if (existingPathFragment !== undefined) {
                        if (obj[key] === undefined) {
                            existingPathFragment = operation.path; //document
                        }
                        if (existingPathFragment !== undefined) {
                            validateFunction(operation, 0, document, existingPathFragment); //document
                        }
                    }
                }
            }
            obj = obj[key];
            t += 1;
        }
    }
    return returnValue;
}
```

---

Open Source Used In SDWan 20.4.1 6903
if (Array.isArray(obj)) {
    if (key === '-') {
        key = obj.length;
    } else {
        if (!helpers_1.isInteger(key)) {
            throw new exports.JsonPatchError("Expected an unsigned base-10 integer value, making the new referenced value the array element with the zero-based index", "OPERATION_PATH_ILLEGAL_ARRAY_INDEX", index, operation, document);
        } // only parse key when it's an integer for `arr.prop` to work
        else if (helpers_1.isInteger(key)) {
            key = ~~key;
        }
    }
    if (t >= len) {
        if (validateOperation && operation.op === "add" && key > obj.length) {
            throw new exports.JsonPatchError("The specified index MUST NOT be greater than the number of elements in the array", "OPERATION_VALUE_OUT_OF_BOUNDS", index, operation, document);
        }
        var returnValue = arrOps[operation.op].call(operation, obj, key, document); // Apply patch
        if (returnValue.test === false) {
            throw new exports.JsonPatchError("Test operation failed", 'TEST_OPERATION_FAILED', index, operation, document);
        }
        return returnValue;
    }
    else {
        if (key && key.indexOf('~') != -1) {
            key = helpers_1.unescapePathComponent(key);
        }
        if (t >= len) {
            var returnValue = objOps[operation.op].call(operation, obj, key, document); // Apply patch
            if (returnValue.test === false) {
                throw new exports.JsonPatchError("Test operation failed", 'TEST_OPERATION_FAILED', index, operation, document);
            }
            return returnValue;
        }
    }
} else {
    obj = obj[key];
}
null || Array.isArray(operation)) {
  throw new exports.JsonPatchError('Operation is not an object', 'OPERATION_NOT_AN_OBJECT', index, operation, document);
}

if (typeof operation.path !== 'string') {
  throw new exports.JsonPatchError('Operation `path` property is not a string', 'OPERATION_PATH_INVALID', index, operation, document);
}

if (operation.path.indexOf('/') !== 0 && operation.path.length > 0) {
  throw new exports.JsonPatchError('Paths that aren’t empty string should start with 
`/`', 'OPERATION_PATH_INVALID', index, operation, document);
}

if (operation.op === 'move' || operation.op === 'copy') {
  if (typeof operation.from !== 'string') {
    throw new exports.JsonPatchError('Operation `from` property is not present (applicable in `move` and `copy` operations)', 'OPERATION_FROM_REQUIRED', index, operation, document);
  }
}

if (document) {
  if (operation.op == "add") {
    var pathLen = operation.path.split('/').length;
    var existingPathLen = existingPathFragment.split('/').length;
    if (pathLen !== existingPathLen + 1 && pathLen !== existingPathLen) {
      throw new exports.JsonPatchError('Cannot perform an `add` operation at the desired path', 'OPERATION_PATH_CANNOT_ADD', index, operation, document);
    }
  }
}

else if (operation.op === 'replace' || operation.op === 'remove' || operation.op === '_get') {
  if (operation.path !== existingPathFragment) {
    throw new exports.JsonPatchError('Cannot perform the operation at a path that does not exist', 'OPERATION_PATH_UNRESOLVABLE', index, operation, document);
  }
}

else if (operation.op === 'move' || operation.op === 'copy') {
  var existingValue = { op: '_get', path: operation.from, value: undefined };
  var error = validate([existingValue], document);
  if (error && error.name === 'OPERATION_PATH_UNRESOLVABLE') {
    throw new exports.JsonPatchError('Cannot perform the operation from a path that does not exist', 'OPERATION_FROM_UNRESOLVABLE', index, operation, document);
  }
}

try {
  if (!Array.isArray(sequence)) {
    throw new exports.JsonPatchError('Patch sequence must be an array', 'SEQUENCE_NOT_AN_ARRAY');
  }
}

if (document) {
  applyPatch(helpers_1._deepClone(document), helpers_1._deepClone(sequence), externalValidator || true);
}

else {
  externalValidator = externalValidator || validators(exports)
  for (var i = 0; i < sequence.length; i++) {
    externalValidator(sequence[i], i, document, undefined);
  }]
}

if (error && &error.name === 'OPERATION_PATH_UNRESOLVABLE') {
  throw new exports.JsonPatchError('Cannot perform the operation from a path that does not exist', 'OPERATION_FROM_UNRESOLVABLE', index, operation, document);
}

try {
  applyPatch(helpers_1._deepClone(document), helpers_1._deepClone(sequence), externalValidator || true);
}

else {
  externalValidator = externalValidator || validators(exports)
  for (var i = 0; i < sequence.length; i++) {
    externalValidator(sequence[i], i, document, undefined);
  }]

  if (error && &error.name === 'OPERATION_PATH_UNRESOLVABLE') {
    throw new exports.JsonPatchError('Cannot perform the operation from a path that does not exist', 'OPERATION_FROM_UNRESOLVABLE', index, operation, document);
  }
}

try {
  applyPatch(helpers_1._deepClone(document), helpers_1._deepClone(sequence), externalValidator || true);
}

else {
  externalValidator = externalValidator || validators(exports)
  for (var i = 0; i < sequence.length; i++) {
    externalValidator(sequence[i], i, document, undefined);
  }]

  if (error && &error.name === 'OPERATION_PATH_UNRESOLVABLE') {
    throw new exports.JsonPatchError('Cannot perform the operation from a path that does not exist', 'OPERATION_FROM_UNRESOLVABLE', index, operation, document);
  }
}

try {
  applyPatch(helpers_1._deepClone(document), helpers_1._deepClone(sequence), externalValidator || true);
}

else {
  externalValidator = externalValidator || validators(exports)
  for (var i = 0; i < sequence.length; i++) {
    externalValidator(sequence[i], i, document, undefined);
  }]

  if (error && &error.name === 'OPERATION_PATH_UNRESOLVABLE') {
    throw new exports.JsonPatchError('Cannot perform the operation from a path that does not exist', 'OPERATION_FROM_UNRESOLVABLE', index, operation, document);
  }
}
default function downloadUrlPlugin (toolbox) {
  let { fn } = toolbox
  const actions = {
    download: (url) => {
      let fetch = fn
      let { getConfigs } = toolBox
      const actions = {
        download: (url) => {
          let fetch = fn
          const config = getConfigs()
          url = url || specSelectors.url()
          specActions.updateLoadingStatus("loading")
          errActions.clear({ source: "fetch" })
          fetch({
            url,
            loadSpec: true,
            requestInterceptor: config.requestInterceptor || (a => a),
            responseInterceptor: config.responseInterceptor || (a => a),
            credentials: "same-origin",
            headers: {
              "Accept": "application/json,*/*"
            }
          }).then(next, next)
          function next(res) {
            if(res instanceof Error || res.status >= 400) {
              specActions.updateLoadingStatus("failed")
              errActions.newThrownErr(Object.assign(new Error(res.message || res.statusText + " " + url), {source: "fetch"}))
              // Check if the failure was possibly due to CORS or mixed content
              if (!res.status && res instanceof Error) checkPossibleFailReasons()
              return
            }
            specActions.updateLoadingStatus("success")
            specActions.updateSpec(res.text)
            if(specSelectors.url() !== url) {
              specActions.updateUrl(url)
            }
          }
          function checkPossibleFailReasons() {
            try {
              let specUrl
              if("URL" in win) {
                specUrl = new URL(url)
              } else {
                // legacy browser, use <a href> to parse the URL
                specUrl = document.createElement("a")
                specUrl.href = url
              }
              if(specUrl.protocol !== "https:" && win.location.protocol !== "https:" && !win) {
                const error = Object.assign({}, new Error("Possible mixed-content issue? The page was loaded over https:// but a ${specUrl.protocol}// URL was specified. Check that you are not attempting to load mixed content.").message || res.statusText + " " + url), {source: "fetch"})
                errActions.newThrownErr(error)
                return
              }
            } catch (e) {
              return
            }
          }
          return {
            type: "spec_update_loading_status",
            payload: status
          }
        }
      }
      let selectors = {
        loadingStatus: createSelector(
          state => {
            return state || Map()
          },
          spec => spec.get("loadingStatus") || null
        )
      }
      return {
        statePlugins: {
          spec: { actions, reducers, selectors }
        },
        configs: {
          reducers,
          selectors,
        }
      }
    }
  }
  return {
    statePlugins: {
      spec: { actions, reducers, selectors }
    }
  }
}

// WEBPACK FOOTER //
// ./src/core/plugins/download-url.js
import { setHash } from './helpers'
import zenscroll from 'zenscroll'
import { createDeepLinkPath } from 'core/utils'
import Im, { fromJS } from 'immutable'

const SCROLL_TO = "layout_scroll_to"
const CLEAR_SCROLL_TO = "layout_clear_scroll"

export const show = (ori, { getConfigs, layoutSelectors }) => (...args) => {
  ori(...args)
  if(!getConfigs().deepLinking) {
    return
  }
  try {
    let [tokenArray, shown] = args
    if(!shown) {
      return
    }
    if(tokenArray.length === 2) {
      setHash(createDeepLinkPath(`/${encodeURIComponent(tokenArray[0])}/${encodeURIComponent(tokenArray[1])}`))
    } else if (tokenArray.length === 1) {
      setHash(createDeepLinkPath(`/${encodeURIComponent(tokenArray[0])}`))
    }
  } catch (e) {
    console.error(e) // eslint-disable-line no-console
  }
}

export const scrollTo = (path) => {
  return {
    type: SCROLL_TO,
    payload: Array.isArray(path) ? path : [path]
  }
}

export const parseDeepLinkHash = (rawHash) => ({ layoutActions, layoutSelectors, getConfigs }) => {
  if(!getConfigs().deepLinking) {
    return
  }
  if(rawHash) {
    let hash = rawHash.slice(1) // # is first character
    if(hash[0] === "!") {
      hash = hash.slice(1)
    }
    if(hash[0] === "/") {
      hash = hash.slice(1)
    }
    const hashArray = hash.split("/").map(val => (val || ""))
    const isShownKey = layoutSelectors.isShownKeyFromUrlHashArray(hashArray)
    const [type, tagId = "", maybeOperationId = ""] = isShownKey
    if(type === "operations") {
      const tagIsShownKey = layoutSelectors.isShownKeyFromUrlHashArray([tagId])
      // If an `_` is present, trigger the legacy escaping behavior to be safe
      // TODO: remove this in v4.0, it is deprecated
      if (tagId.indexOf("_") > -1) {
        console.warn("Warning: escaping deep link whitespace with `_` will be unsupported in v4.0, use `%20` instead.\")
        layoutActions.show(tagIsShownKey.map(val => val.replace(/\_/g, "\%20")))[0]
      }
      // Scroll to the newly expanded entity
      layoutActions.show(isShownKey.map(val => val.replace(/\_/g, "\%20")), true)
    }
    // Scroll to "ref" (dom node) with the scrollbar on "container" or the nearest parent
    layoutActions.show(isShownKey, true)
    layoutActions.show(isShownKey.map(val => val.replace(/\_/g, "\%20")), true)
  }
}

// Scroll to "ref" (dom node) with the scrollbar on "container" or the nearest parent
return {
    type: CLEAR_SCROLL_TO,
} // From: https://stackoverflow.com/a/42543908/3933724

// From: https://stackoverflow.com/a/42543908/3933724
// Modified to return html instead of body element as last resort

function getScrollParent(element, includeHidden)
{
    let style = getComputedStyle(element)
    let parent = element
    if (parent === null) return null
    for (; (parent = parent.parentElement);)
    {
        if (getComputedStyle(parent).position === "fixed")
            return parent
        if (parent.scrollHeight < parent.offsetHeight)
            return parent
        if (parent.querySelectorAll("*:empty").length)
            return parent
        if (parent.style.display === "none")
            return parent
        if (parent.tagName === "HTML")
            return null
    }
    return parent
}

return {
    type: CLEAR_SCROLL_TO,
} // from https://github.com/kastning/guru

const LAST_RESORT = document.documentElement
const hasOverflow = (el) => (el.scrollHeight > el.offsetHeight)
const ignoredElements = [
    document.getElementsByTagName("html")[0]
]
const defaultActions = {
    scrollToElement:
        (el) => { scrollToElement(documentFragment, el) }
}

const lastResort = () => {
    console.log("Last resort")
    return false
}

getScrollParent(
    el
    , includeHidden
)

window.onhashchange = () => {
    lastResort()
}

// WEBPACK FOOTER //
// ./src/core/plugins/deep-linking/layout.js
export const setHash = (value) => {
    if (value) {
        return history.pushState(null, null, `#${value}`)
    } else {
        return window.location.hash = ""
    }
}

// WEBPACK FOOTER //
// ./src/core/plugins/deep-linking/helpers.js
import React from "react"
import ImPropTypes from "react-immutable-proptypes"

const Wrapper = (Ori, system) => class OperationWrapper extends React.Component {
    static propTypes = {
        operation: ImPropTypes.map.isRequired,
    }

    onLoad = (ref) => {
        const { operation } = this.props
        const { tag, operationId } = operation.toObject()
        const isShownKey = ["operations", tag, operationId]
        system.layoutActions.readyToScroll(isShownKey, ref)
    }

    render() {
        return (<span ref={this.onLoad}>
            <Ori {...this.props} />
        </span>)
    }
}

export default Wrapper

// WEBPACK FOOTER //
// ./src/core/plugins/deep-linking/operation-wrapper.jsx
import opsFilter from "./opsFilter"

export default function() {
    return {
        fn: {
            opsFilter
        }
    }
}

// WEBPACK FOOTER //
// ./src/core/plugins/filter/index.js

export default function(taggedOps, phrase) {
    return taggedOps.filter((tagObj, tag) => tag.indexOf(phrase) !== -1)
}

// WEBPACK FOOTER //
// ./src/core/plugins/on-complete/index.js

module.exports = 
"data:image/svg+xml;base64,PHN2ZyB3aWR0aD0iMjAwcHgiICBoZWlnaHQ9IjIwMHB4IiAgeG1sbnM9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvc3ZnIiB2aWV3Qm94PSIwIDAgMTAwIDEwMCIgcHJlc2VydmVBc3BlY3R..."
this.state.value\n\n return (\n
<select className={this.props.className} multiple={ multiple } value={value}
onChange={ this.onChange } disabled={disabled} >\n
{ allowEmptyValue ? <option value=\"\">--</option> :
null }\n
{\n
allowedValues.map(function (item, key) {\n
return <option key={ key } value={
String(item) }>{ String(item) }</option>\n
})\n
}\n
</select>\n )\n }\n}\n\nexport class Link extends
React.Component {\n\n render() {\n return <a {...this.props} rel=\"noopener noreferrer\"
className={xclass(this.props.className, \"link\")}/>\n }\n\n}\n\nLink.propTypes = {\n className:
PropTypes.string\n}\n\nconst NoMargin = ({children}) => <div style={{height: \"auto\", border: \"none\", margin:
0, padding: 0}}> {children} </div>\n\nNoMargin.propTypes = {\n children: PropTypes.node\n}\n\nexport class
Collapse extends React.Component {\n\n static propTypes = {\n isOpened: PropTypes.bool,\n children:
PropTypes.node.isRequired,\n animated: PropTypes.bool\n }\n\n static defaultProps = {\n isOpened: false,\n
animated: false\n }\n\n renderNotAnimated() {\n if(!this.props.isOpened)\n
return <noscript/>\n return (\n
<NoMargin>\n
{this.props.children}\n
</NoMargin>\n )\n }\n\n render() {\n let { animated, isOpened,
children } = this.props\n\n if(!animated)\n
return this.renderNotAnimated()\n\n children = isOpened ?
children : null\n return (\n
<NoMargin>\n
{children}\n
</NoMargin>\n )\n }\n\n}\n\n\n\n//
WEBPACK FOOTER //\n// ./src/core/components/layout-utils.jsx","import React from \"react\"\nimport
ImmutablePureComponent from \"react-immutable-pure-component\"\nimport ImPropTypes from \"reactimmutable-proptypes\"\nimport PropTypes from \"prop-types\"\n\nexport default class Model extends
ImmutablePureComponent {\n static propTypes = {\n schema: ImPropTypes.orderedMap.isRequired,\n
getComponent: PropTypes.func.isRequired,\n getConfigs: PropTypes.func.isRequired,\n specSelectors:
PropTypes.object.isRequired,\n name: PropTypes.string,\n displayName: PropTypes.string,\n isRef:
PropTypes.bool,\n required: PropTypes.bool,\n expandDepth: PropTypes.number,\n depth:
PropTypes.number,\n specPath: ImPropTypes.list.isRequired,\n }\n\n getModelName =( ref )=> {\n if (
ref.indexOf(\"#/definitions/\") !== -1 ) {\n
return ref.replace(/^.*#\\/definitions\\//, \"\")\n }\n if (
ref.indexOf(\"#/components/schemas/\") !== -1 ) {\n
return ref.replace(/^.*#\\/components\\/schemas\\//, \"\")\n
}\n }\n\n getRefSchema =( model )=> {\n let { specSelectors } = this.props\n\n return
specSelectors.findDefinition(model)\n }\n\n render () {\n let { getComponent, getConfigs, specSelectors,
schema, required, name, isRef, specPath, displayName } = this.props\n const ObjectModel =
getComponent(\"ObjectModel\")\n const ArrayModel = getComponent(\"ArrayModel\")\n const PrimitiveModel
= getComponent(\"PrimitiveModel\")\n let type = \"object\"\n let $$ref = schema && schema.get(\"$$ref\")\n\n
// If we weren't passed a `name` but have a ref, grab the name from the ref\n if ( !name && $$ref ) {\n
name =
this.getModelName( $$ref )\n }\n // If we weren't passed a `schema` but have a ref, grab the schema from the
ref\n if ( !schema && $$ref ) {\n
schema = this.getRefSchema( name )\n }\n\n if(!schema) {\n return
<span className=\"model model-title\">\n
<span className=\"model-title__text\">{ displayName || name
}</span>\n
<img src={require(\"core/../img/rolling-load.svg\")} height={\"20px\"} width={\"20px\"}
style={{\n
marginLeft: \"1em\",\n
position: \"relative\",\n
bottom: \"0px\"\n
}} />\n
</span>\n }\n\n const deprecated = specSelectors.isOAS3() && schema.get(\"deprecated\")\n
isRef = isRef !== undefined ? isRef : !!$$ref\n type = schema && schema.get(\"type\") || type\n\n switch(type)
{\n
case \"object\":\n
return <ObjectModel\n
className=\"object\" { ...this.props }\n
specPath={specPath}\n
getConfigs={ getConfigs }\n
schema={ schema }\n
name={ name }\n
deprecated={deprecated}\n
isRef={ isRef } />\n
case \"array\":\n
return <ArrayModel\n
className=\"array\" { ...this.props }\n
getConfigs={ getConfigs }\n
schema={ schema }\n
name={
name }\n
deprecated={deprecated}\n
required={ required } />\n
case \"string\":\n
case
\"number\":\n
case \"integer\":\n
case \"boolean\":\n
default:\n
return <PrimitiveModel\n
{
...this.props }\n
getComponent={ getComponent }\n
getConfigs={ getConfigs }\n
schema={
schema }\n
name={ name }\n
deprecated={deprecated}\n
required={ required }/>\n }\n
}\n}\n\n\n\n// WEBPACK FOOTER //\n// ./src/core/components/model.jsx","import React from \"react\"\nimport
PropTypes from \"prop-types\"\nimport Remarkable from \"remarkable\"\nimport DomPurify from
\"dompurify\"\nimport cx from \"classnames\"\n\nDomPurify.addHook(\"beforeSanitizeElements\", function

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(current, ) {\n // Attach safe `rel` values to all elements that contain an `href`,\n // i.e. all anchors that are links.\n //
We _could_ just look for elements that have a non-self target,\n // but applying it more broadly shouldn't hurt
anything, and is safer.\n if (current.href) {\n current.setAttribute(\"rel\", \"noopener noreferrer\")\n }\n return
current\n})\n\n// eslint-disable-next-line no-useless-escape\nconst isPlainText = (str) => /^[A-Z\\s09!?\\.]+$/gi.test(str)\n\nfunction Markdown({ source, className = \"\" }) {\n if (typeof source !== \"string\") {\n
return null\n }\n\n if(isPlainText(source)) {\n
// If the source text is not Markdown,\n
// let's save some
time and just render it.\n
return <div className=\"markdown\">\n
{source}\n
</div>\n }\n\n const
md = new Remarkable({\n
html: true,\n
typographer: true,\n
breaks: true,\n
linkify: true,\n
linkTarget: \"_blank\"\n })\n \n md.core.ruler.disable([\"replacements\", \"smartquotes\"])\n\n const html =
md.render(source)\n const sanitized = sanitizer(html)\n\n if ( !source || !html || !sanitized ) {\n
return null\n
}\n\n return (\n
<div className={cx(className, \"markdown\")} dangerouslySetInnerHTML={{ __html:
sanitized }}></div>\n )\n}\n\nMarkdown.propTypes = {\n source: PropTypes.string.isRequired,\n className:
PropTypes.string\n}\n\nexport default Markdown\n\nexport function sanitizer(str) {\n return
DomPurify.sanitize(str, {\n ADD_ATTR: [\"target\"]\n })\n}\n\n\n\n// WEBPACK FOOTER //\n//
./src/core/components/providers/markdown.jsx","'use strict';\n\nmodule.exports =
require('./lib/');\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/remarkable/index.js\n// module id
= 420\n// module chunks = 0","// List of valid entities\n//\n// Generate with ./support/entities.js script\n//\n'use
strict';\n\n/*eslint quotes:0*/\nmodule.exports = {\n \"Aacute\":\"\\u00C1\",\n \"aacute\":\"\\u00E1\",\n
\"Abreve\":\"\\u0102\",\n \"abreve\":\"\\u0103\",\n \"ac\":\"\\u223E\",\n \"acd\":\"\\u223F\",\n
\"acE\":\"\\u223E\\u0333\",\n \"Acirc\":\"\\u00C2\",\n \"acirc\":\"\\u00E2\",\n \"acute\":\"\\u00B4\",\n
\"Acy\":\"\\u0410\",\n \"acy\":\"\\u0430\",\n \"AElig\":\"\\u00C6\",\n \"aelig\":\"\\u00E6\",\n \"af\":\"\\u2061\",\n
\"Afr\":\"\\uD835\\uDD04\",\n \"afr\":\"\\uD835\\uDD1E\",\n \"Agrave\":\"\\u00C0\",\n \"agrave\":\"\\u00E0\",\n
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\"angmsdae\":\"\\u29AC\",\n \"angmsdaf\":\"\\u29AD\",\n \"angmsdag\":\"\\u29AE\",\n
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\"apos\":\"\\u0027\",\n \"ApplyFunction\":\"\\u2061\",\n \"approx\":\"\\u2248\",\n \"approxeq\":\"\\u224A\",\n
\"Aring\":\"\\u00C5\",\n \"aring\":\"\\u00E5\",\n \"Ascr\":\"\\uD835\\uDC9C\",\n \"ascr\":\"\\uD835\\uDCB6\",\n
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\"bigoplus\":\"\\u2A01\",\n \"bigotimes\":\"\\u2A02\",\n \"bigsqcup\":\"\\u2A06\",\n \"bigstar\":\"\\u2605\",\n
\"bigtriangledown\":\"\\u25BD\",\n \"bigtriangleup\":\"\\u25B3\",\n \"biguplus\":\"\\u2A04\",\n

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<table>
<thead>
<tr>
<th>Character</th>
<th>Unicode Codepoints</th>
</tr>
</thead>
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<tr>
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<td>\u2A37, \u2A36</td>
</tr>
<tr>
<td>Ouml</td>
<td>\u00D6, \u00F6</td>
</tr>
<tr>
<td>OverBar</td>
<td>\u233D</td>
</tr>
<tr>
<td>OverBrace</td>
<td>\u2234</td>
</tr>
<tr>
<td>OverBracket</td>
<td>\u23B4</td>
</tr>
<tr>
<td>OverParenthesis</td>
<td>\u23DC</td>
</tr>
<tr>
<td>OverBrace</td>
<td>\u2397</td>
</tr>
<tr>
<td>OverBracket</td>
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</tr>
<tr>
<td>OverParenthesis</td>
<td>\u23DC</td>
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</tbody>
</table>
"./components\"import wrapComponents from "./wrap-components\"import * as oas3Actions from "./actions\"import * as oas3Selectors from "./selectors\"import oas3Reducers from "./reducers\"export default function() { \n return { \n components, \n wrapComponents, \n statePlugins: { \n spec: { \n wrapSelectors: specWrapSelectors, \n selectors: specSelectors, \n auth: { \n wrapSelectors: authWrapSelectors, \n } }, \n oas3: { \n actions: oas3Actions, \n reducers: oas3Reducers, \n selectors: oas3Selectors, \n }, \n }, \n unconst state = state => { \n return state \n }, \n unconst nullSelector = createSelector() => null \n }, \n spec = spec => { \n return spec \n }, \n server = server => { \n return server \n }, \n servers = servers => { \n return servers \n }, \n services = services => { \n return services \n }, \n Definitions = Definitions => { \n return Definitions \n }, \n wrap = wrap => { \n return wrap \n }, \n servicesWrap = servicesWrap => { \n return servicesWrap \n }, \n wrapSelectors = wrapSelectors => { \n return wrapSelectors \n }, \n wrapComponents = wrapComponents => { \n return wrapComponents \n }, \n define = define => { \n return define \n }, \n default = default => { \n return default \n }, \n resolve = resolve => { \n return resolve \n }, \n spec = spec => { \n return spec \n }, \n helper = helper => { \n return helper \n }, \n base = base => { \n return base \n }, \n system = system => { \n return system \n }, \n schema = schema => { \n return schema \n }, \n full = full => { \n return full \n }, \n definitions = definitions => { \n return definitions \n }, \n endpoints = endpoints => { \n return endpoints \n }, \n spec = spec => { \n return spec \n }, \n import = import => { \n return import \n } }; \n
export default function() { \n  return { \n    components, \n    wrapComponents, \n    statePlugins: { \n      spec: { \n        wrapSelectors: specWrapSelectors, \n        selectors: specSelectors, \n        auth: { \n          wrapSelectors: authWrapSelectors, \n          oas3: { \n          actions: oas3Actions, \n          reducers: oas3Reducers, \n          selectors: oas3Selectors, \n          statePlugins: statePlugins, \n          server = server => { \n            return server \n          }, \n          spec = spec => { \n            return spec \n          }, \n          helper = helper => { \n            return helper \n          }, \n          system = system => { \n            return system \n          }, \n          schema = schema => { \n            return schema \n          }, \n          full = full => { \n            return full \n          }, \n          definitions = definitions => { \n            return definitions \n          }, \n          endpoints = endpoints => { \n            return endpoints \n          }, \n          spec = spec => { \n            return spec \n          }, \n          import = import => { \n            return import \n          } \n        } \n      } \n    } \n  } \n}
const schemaForMediaType = mediaTypeValue.get("schema", OrderedMap());

const handleExamplesSelect = (key /*, { isSyntheticChange } */) => {
  updateActiveExamplesKey(key); 
} 

if (mediaTypeValue.size) {
  return null;
} 

const isObjectContent = mediaTypeValue.getIn(["schema", "type"], "object")

if (!isObjectContent) {
  return null;
}

const examplesForMediaType = mediaTypeValue.get("examples", OrderedMap());

const handleExamplesSelect = (key /*, { isSyntheticChange } */) => {
  updateActiveExamplesKey(key);
}

if (!mediaTypeValue.size) {
  return null;
}

if (contentType === "application/octet-stream" || contentType.indexOf("image") === 0 || contentType.indexOf("audio") === 0 || contentType.indexOf("video") === 0) {
  const Input = getComponent("Input")

  if (!isExecute) {
    return <i>
      Example values are not available for <code>application/octet-stream</code> media types.
    </i>
  }

  return <Input type="file" onChange={handleFile} />
}

if (isObjectContent &&
    (contentType === "application/x-www-form-urlencoded" || contentType.indexOf("multipart/"))
)

schemaForMediaType.get("properties", OrderedMap()).size > 0) {
  const JsonSchemaForm = getComponent("JsonSchemaForm")
  const ParameterExt = getComponent("ParameterExt")
  const bodyProperties = schemaForMediaType.get("properties", OrderedMap());
  const requestBodyValue = Map.isMap(requestBodyValue) ? requestBodyValue : OrderedMap()

  return <div className="table-container">
    { requestBodyDescription &&<Markdown source={requestBodyDescription} />
    }
    {examplesForMediaType ? (<ExamplesSelectValueRetainer
        examples={examplesForMediaType}
        currentKey={activeExamplesKey}
        onValueChange={handleExamplesSelect}
        defaultToFirstExample={true}
        getComponent={getComponent}
      />) : null
    }
    {isExecute ? (<RequestBodyEditor
      value={requestBodyValue}
      defaultValue={getDefaultRequestBodyValue(
        requestBody,
        contentType,
        activeExamplesKey,
      )}
      onChange={onChange}
      getComponent={getComponent}
    />) : null
    }
  </div>
}

div class="table-container">
  { requestBodyDescription &&
    <Markdown source={requestBodyDescription} />
  }
  {examplesForMediaType ? (<ExamplesSelectValueRetainer
      examples={examplesForMediaType}
      currentKey={activeExamplesKey}
      onValueChange={handleExamplesSelect}
      defaultToFirstExample={true}
      getComponent={getComponent}
    />) : null
  }
  {isExecute ? (<RequestBodyEditor
    value={requestBodyValue}
    defaultValue={getDefaultRequestBodyValue(
      requestBody,
      contentType,
      activeExamplesKey,
    )}
    onChange={onChange}
    getComponent={getComponent}
  />) : null
  }
</div>
</table>
server: currentServer,

key: variableName,

val: newValue

})

//

setServer = (value) => {

let { setSelectedServer } = this.props

setSelectedServer(value)

}

render() {

let { servers, currentServer, getServerVariable, getEffectiveServerValue } = this.props

let currentServerDefinition = servers.find(v => v.get("url") === currentServer)

let currentServerVariableDefs = currentServerDefinition.get("variables")

let shouldShowVariableUI = currentServerVariableDefs.size

let currentServerVariables = currentServerDefinition.map((val, name) => {

return <tr key={name}>

<td>{name}</td>

<td>{ val.get("enum") ?

<select data-variable={name} onChange={this.onServerVariableValueChange}>

{val.get("enum").map(enumValue => {

return <option

selected={enumValue === getServerVariable(currentServer, name)}

key={enumValue}>

value={enumValue}

onChange={this.onServerVariableValueChange}

</option>

})}

</select>

<input

type={"text"}

value={getServerVariable(currentServer, name) || ""}

onChange={this.onServerVariableValueChange}

{dataVariable={name} />

</tr>

})

</tbody>

</table>

</div>

<h4>Server variables</h4>

<table>

<tbody>

</tbody>

</table>

</div>

export default class ServersContainer extends React.Component {

static propTypes = {

specSelectors: PropTypes.object.isRequired,

oas3Selectors: PropTypes.object.isRequired,

oas3Actions: PropTypes.object.isRequired,

getComponent: PropTypes.func.isRequired,

}

render () {

const {specSelectors, oas3Selectors, oas3Actions, getComponent} = this.props

const servers = specSelectors.servers()

const Servers = getComponent("Servers")

return servers && servers.size ? (

<div>

<Server variables />

<table>

<tbody>

<tr>

<td>{name}</td>

<td>{ val.get("enum") ?

<select data-variable={name} onChange={this.onServerVariableValueChange}>

{val.get("enum").map(enumValue => {

return <option

selected={enumValue === getServerVariable(currentServer, name)}

key={enumValue}>

value={enumValue}

onChange={this.onServerVariableValueChange}

</option>

})}

</select>

<input

type={"text"}

value={getServerVariable(currentServer, name) || ""}

onChange={this.onServerVariableValueChange}

{dataVariable={name} />

</tr>

</tbody>

</table>

</div>

export default class RequestBodyEditor extends PureComponent {

static propTypes = {

onChange: PropTypes.func,

getComponent: PropTypes.func.isRequired,

value: PropTypes.string,

defaultValue: PropTypes.string,

}

static defaultProps = {

onChange: NOOP,

}

constructor(props, context) {

super(props, context)

this.state = {

value: stringify(props.value) || props.defaultValue

}

// this is the glue that makes sure our initial value gets set as the value on the first dom change

this.componentWillReceiveProps(nextProps) {

this.setState({

value: stringify(nextProps.value)

})

}

this.handleInputChange = e => {

this.setState({

value: e.target.value

})

}

this.onDomChange = e => {

if(

this.props.value !==

//

export default function RequestBodyEditor {

constructor(props, context) {

super(props, context)

this.state = {

value: stringify(props.value)

})

// this is the glue that makes sure our initial value gets set as the value on the first dom change

this.componentWillReceiveProps(nextProps) {

this.setState({

value: stringify(nextProps.value)

})

}

this.handleInputChange = e => {

this.setState({

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//

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value: e.target.value

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})

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this.setState({

value: e.target.value

})

}

this.onDomChange = e => {

if(

this.props.value !==

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export default function RequestBodyEditor {

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super(props, context)

this.state = {

value: stringify(props.value)

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this.componentWillReceiveProps(nextProps) {

this.setState({

value: stringify(nextProps.value)

})

}

this.handleInputChange = e => {

this.setState({

value: e.target.value

})

}

this.onDomChange = e => {

if(

this.props.value !==

//

export default function RequestBodyEditor {

constructor(props, context) {

super(props, context)

this.state = {

value: stringify(props.value)

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this.componentWillReceiveProps(nextProps) {

this.setState({

value: stringify(nextProps.value)

})

}

this.handleInputChange = e => {

this.setState({

value: e.target.value

})

}

this.onDomChange = e => {

if(

this.props.value !==

//

export default function RequestBodyEditor {

constructor(props, context) {

super(props, context)

this.state = {

value: stringify(props.value)

})

// this is the glue that makes sure our initial value gets set as the value on the first dom change

this.componentWillReceiveProps nextProps) {

this.setState({

value: stringify(nextProps.value)

})

}

this.handleInputChange = e => {

this.setState({

value: e.target.value

})

}

this.onDomChange = e => {

if(

this.props.value !==

//
nextProps.value &&
nextProps.value !== this.state.value ) {
this.setState({
value: stringify(nextProps.value)
})
}

if(nextProps.value && nextProps.defaultValue &&
!!this.state.value) {

const TextArea = getComponent("TextArea")

return (<
  <div className="body-param">
    <TextArea
      className="body-param__text"
      value={value}
      onChange={this.onDomChange}
    />
  </div>
)

if(!nextProps.value && nextProps.defaultValue &&
!!this.state.value) {
  // if new value is falsy, we have a default, AND the falsy value didn't
  // come from us
  this.applyDefaultValue(nextProps)
}

const Input = getComponent("Input")
const Row = getComponent("Row")
const Col =
getComponent("Col")
const AuthError = getComponent("authError")
const Markdown = getComponent("Markdown")
const JumpToPath = getComponent("JumpToPath")
const scheme =
(schema.get("scheme") || "").toLowerCase()
const value = this.getValue()
const errors = errSelectors.allErrors().filter( err => err.get("authId") === name)

if(scheme === "basic") {
  let username = value ? value.get("username") : null
  return (<
    h4>
      { name || schema.get("name") }
        (http, Basic)
        <JumpToPath path={
          ["securityDefinitions", name ]}
    /></h4>
    <Row>
      <label>Username:</label>
      {
        username ? <code> { username } </code>
              : <Col><Input type="text" required="required" name="username" onChange={ this.onChange }/></Col>
      }
    </Row>
    <Row>
      <label>Password:</label>
      {
        username ? <code> ****** </code>
              : <Col><Input type="password" required="required" name="password" onChange={ this.onChange }/></Col>
      }
    </Row>
    {
      errors.map( (error, key) => {
        return <AuthError error={ error }
              key={ key }/>
      } )
    }
  </div>
}

if(scheme === "bearer") {
  return (<
    h4>
      { name || schema.get("name") }
        (http, Bearer)
        <JumpToPath path={
          ["securityDefinitions", name ]}
    /></h4>
    <Row>
      <label>Value:</label>
      {
        value ? <code> ****** </code>
              : <Col><Input type="text" onChange={ this.onChange }/></Col>
      }
    </Row>
    {
      errors.map( (error, key) => {
        return <AuthError error={ error }
              key={ key }/>
      } )
    }
  </div>
}

return (<
  <div>
    <em><b>{name}</b> HTTP authentication: unsupported scheme {`'${scheme}'`}</em>
  </div>
)
PropTypes.func.isRequired,
getEffectiveServerValue: PropTypes.func.isRequired,

setSelectedServer = (server) => {
  const { path, method } = this.props
  return this.props.getSelectedServer(`${path}:${method}`)
}

getServerVariable = (obj) => {
  const { server, namespace } = this.props
  return this.props.getServerVariableValue({
    server,
    namespace:
      `$path:${method}`
  })
}

render() {
  const {
    operationServers,
    pathServers,
    getComponent
  } = this.props
  if(!operationServers && !pathServers) {
    return null
  }
  const Servers = getComponent("Servers")
  const serversToDisplay = operationServers || pathServers
  const displaying = operationServers ? "operation" : "path"
  return <div className="opblock-section operation-servers">
    <div className="opblock-section-header">
      <div className="tab-header">
        <h4 className="opblock-title">Servers</h4>
      </div>
    </div>
    <div className="opblock-description-wrapper">
      <h4 className="message">
        These {displaying}-level options override the global server options.
      </h4>
      <Servers
        servers={serversToDisplay}
        currentServer={this.getSelectedServer()}
        setSelectedServer={this.setSelectedServer}
        setServerVariableValue={this.setServerVariableValue}
        getServerVariable={this.getServerVariable}
        getEffectiveServerValue={this.getEffectiveServerValue}
        />
    </div>
  </div>
}

// WEBPACK FOOTER //
// ./src/core/plugins/oas3/components/operation-servers.jsx
OAS3ComponentWrapFactory from \"..\helpers\\"\n\nexport default OAS3ComponentWrapFactory((props) => {
  const { Ori } = props
  return <span>
    <Ori {...props} />
    <small style={{ backgroundColor: "#89bf04" }}>
      <pre className="version">OAS3</pre>
    </small>
  </span>
})


// WEBPACK FOOTER //
// ./src/core/plugins/oas3/wrap-components/version-stamp.jsx", "import React, { Component } from
\"react\";
\nOAS3ComponentWrapFactory(ModelComponent) from \"..\helpers\"\n// We're disabling the Online Validator Badge until the online validator\n// can handle OAS3 specs。
\nexport default OAS3ComponentWrapFactory(() => null)\n


// WEBPACK FOOTER //
// ./src/core/plugins/oas3/wrap-components/online-validator-badge.js", "import React, { Component } from
\"react\";
\nOAS3ComponentWrapFactory from \"..\helpers\\nimport OAS3ComponentWrapFactory from \"..\helpers\nconst propTypes = {\n  const { schema, getComponent, errors, onChange
  } = props
  return <Ori {...props} />
};


// WEBPACK FOOTER //
// ./src/core/plugins/oas3/wrap-components/json-schema-string.jsx", "import { OrderedMap } from "immutable"
\nonlyOAS3(selector) {
  return (...args) => (system) => {
    const spec = system.getSystem().specSelective(specJson) if(isOAS3Helper(spec)) {
      return selector(...args)
    } else {
      return null
    }
  }
}

export const selectedServer = onlyOAS3((state, namespace) => {
  const path = namespace ? [namespace, "selectedServer"] : ["selectedServer"]
  return state.getIn(path) || ""
})

export const requestBodyValue = onlyOAS3((state, path, method) => {
  return state.getIn(["requestData", path, method, "bodyValue"]) || null
})

export const activeExamplesMember = onlyOAS3((state, path, method, type, name) => {
  return state.getIn(["examples", path, method, type, name, "activeExample"]) || null
})

export const requestContentType = onlyOAS3((state, path, method) => {
  return state.getIn(["requestData", path, method, "requestContentType"]) || null
})

export const responseContentType = onlyOAS3((state, path, method) => {
  return state.getIn(["requestData", path, method, "responseContentType"]) || null
})

export const serverVariableValue = onlyOAS3((state, locationData, key) => {
  const path = locationData[key] ? locationData[key] : ""
  return state.getIn(["serverVariables", server, key]) || null
})


// WEBPACK FOOTER //
OrderedMap()

var varValues, serverValue;

let str = serverValue

OrderedMap()

varValues.map(val, key) =>

varValues = varValues || OrderedMap()

let str = serverValue

varValues.map(val, key) =>

varValues = varValues || OrderedMap()

serverValue

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

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state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

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varValues = varValues || OrderedMap()

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state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

varValues = varValues || OrderedMap()

state.getIn(["serverVariableValues", serverValue])

varValues = varValues || OrderedMap()

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function (value) throw TypeError("Promise can't be resolved itself");

if (then = isThenable(value)) {
    microtask(function () {
        var wrapper = { _w: promise, _d: false }; // wrap
        try {
            then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
        } catch (e) {
            $reject.call(wrapper, e);
        }
    })
} else {
    promise._v = value;
    promise._s = 1;
    notify(promise, false);
}

function (value) throw TypeError("Promise can't be resolved itself");

if (then = isThenable(value)) {
    microtask(function () {
        var wrapper = { _w: promise, _d: false }, e; // wrap
        try {
            then.call(value, ctx($resolve, wrapper, 1), ctx($reject, wrapper, 1));
        } catch (e) {
            $reject.call(wrapper, e);
        }
    })
} else {
    promise._v = value;
    promise._s = 1;
    notify(promise, false);
}

catch (e) {
    $reject.call({ _w: promise, _d: false }, e); // wrap
}

} // 25.4.3.1 Promise(executor)

$Promise = function Promise(executor) {
    anInstance(this, $Promise, PROMISE, '_h');
    aFunction(executor);
    Internal.call(this);
    try {
        executor(ctx($resolve, this, 1), ctx($reject, this, 1));
    } catch (err) {
        $reject.call(this, err);
    } // eslint-disable-next-line no-unused-vars
    Internal = function Promise(executor) {
        this._c = []; // <- awaiting reactions
        this._a = undefined; // <- checked in isUnhandled reactions
        this._s = 0; // <- state
        this._d = false; // <- done
        this._v = undefined; // <- value
        this._h = 0; // <- rejection state, 0 - default, 1 - handled, 2 - unhandled
        this._n = false; // <- notify
    }
    Internal.prototype = require('./_redefine-all')($Promise.prototype, { // 25.4.5.1 Promise.prototype.then(onFulfilled, onRejected)
        'catch': function (onRejected) {
            var reaction = newPromiseCapability(speciesConstructor(this, $Promise));
            reaction.ok = typeof onFulfilled == 'function' ? onFulfilled : true;
            reaction.fail = typeof onRejected == 'function' && onRejected;
            reaction.domain = isNode ? process.domain : undefined;
            this._c.push(reaction);
            if (this._a) this._a.push(reaction);
            if (this._s) notify(this, false);
            return reaction.promise;
        }
    });
    newPromiseCapabilityModule.f = newPromiseCapability = function (C) {
        return C === $Promise || C === Wrapper
            ? new OwnPromiseCapability(C)
            : newGenericPromiseCapability(C);
    };
WEBPACK FOOTER

// ./node_modules/core-js/modules/es6.regexp.split.js
// module id = 517

import deepExtend from "\deep-extend";

import System from "core/system"
import win from "core/window"
import ApisPreset from "core/presets/apis"

import * as AllPlugins from "core/plugins/all"
import { parseSearch } from "core/utils"

if (process.env.NODE_ENV !== "production" && typeof window !== "undefined") {
  win.Perf = require("react-dom\lib\ReactPerf")
}

const { GIT_DIRTY, GIT_COMMIT, PACKAGE_VERSION, HOSTNAME, BUILD_TIME } = buildInfo

module.exports = function SwaggerUI(opts) {

  win.versions = win.versions || {}
  win.versions.swaggerUi = {
    version: PACKAGE_VERSION,
    gitRevision: GIT_COMMIT,
    gitDirty: GIT_DIRTY,
    buildTimestamp: BUILD_TIME,
    machine: HOSTNAME
  }

  let queryConfig = parseSearch()

  const domNode = opts.domNode
  delete opts.domNode

  const constructorConfig = deepExtend({}, defaults, opts, queryConfig)

  const storeConfigs = {
    system: {
      configs: constructorConfig.configs
    },
    plugins: constructorConfig.presets,
    state: deepExtend({
      layout: {
        layout: constructorConfig.layout,
        filter: constructorConfig.filter
      },
      spec: {
        spec: "",
        url: constructorConfig.url
      }
    }, constructorConfig.initialState)
  }

  let inlinePlugin = () => {
    return {
      fn: constructorConfig.fn,
      components: constructorConfig.components,
      state: constructorConfig.state
    }
  }

  var store = new System(storeConfigs)
  store.register([constructorConfig.plugins, inlinePlugin])

  var system = store.getSystem()

  const downloadSpec = (fetchedConfig) => {
    let localConfig = system.specSelectors.getLocalConfig ? system.specSelectors.getLocalConfig() : {}
    let mergedConfig = deepExtend({}, localConfig, constructorConfig, fetchedConfig || {}, queryConfig)

    if(domNode) {
      mergedConfig.domNode = domNode
    }

    store.setConfigs(mergedConfig)
    system.configsActions.loaded()

    if(fetchedConfig !== null) {
      if(!queryConfig.url && typeof mergedConfig.spec === "object" && Object.keys(mergedConfig.spec).length) {
        system.specActions.updateLoadingStatus("success")
        system.specActions.updateSpec(JSON.stringify(mergedConfig.spec))
      } else if((System.specActions.updateSpec(JSON.stringify(mergedConfig.spec)))
    } else if(system.specActions.updateLoadingStatus("success"))
  }

Open Source Used In SDWan 20.4.1 6945
`domNode` was specified)

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```
createStore, applyMiddleware, bindActionCreators, compose } from \`\`redux\`\`\"import Im, { fromJS, Map } from \`\`immutable\`\`\"import deepExtend from \`\`deep-extend\`\`\"import { combineReducers } from \`\`redux\`\`\"import serializeError from \`\`serialize-error\`\`\"import assignDeep from \`\`object-assign\`\`\"import createStore, applyMiddleware, bindActionCreators, compose } from "redux"
import Im, { fromJS, Map } from "immutable"
import deepExtend from "deep-extend"
import { combineReducers } from "redux-immutable"
import serializeError from "serialize-error"
import assignDeep from "object-assign"
import { STATE_ACTION } from "corePlugins/err/actions"
import win from "core/utils"

import { systemThunkMiddleware, isFn, objMap, objReduce, isObject, isArray, isFunc } from "core/utils"

const idFn = a => a

// Create middleware that gets sandwitched between `dispatch` and the reducer function(s)/Unfunction createStoreWithMiddleware(rootReducer, initialState, getSystem) {

  let middlwares = [
    createStoreWithMiddleware(rootReducer, initialState, getSystem) {

    let middlwares = [
     // createLogger ( { stateTransformer: state => state && state.toJS() } )
    ,
    systemThunkMiddleware( getSystem )
    ]

    const composeEnhancers =
    win.__REDUX_DEVTOOLS_EXTENSION_COMPOSE__ || compose

    return createStore(rootReducer, initialState, composeEnhancers(
    applyMiddleware( ...middlwares )
    ))
}

export default class Store {

  constructor(opts={}) {
    deepExtend(this, {
      state: {},
      plugins: [],
      system: {
        configs: {},
        fn: {},
        components: {},
        rootInjects: {},
        statePlugins: {}
      },
      boundSystem: {},
      toolbox: {},
      opts: {},
      this.getSystem = this._getSystem.bind(this),
      this.state = configureStore(idFn, fromJS(this.state), this.getSystem )
    }, opts)

    this.getSystem = this._getSystem.bind(this)

    // Store state
    this.store = configureStore(idFn, fromJS(this.state), this.getSystem )

    // will be the system + Im, we can add more tools when we need to
    this.buildSystem(false)
    // Bootstraps plugins
    this.register(this.plugins)
    this.buildSystem(this.system)
    this.register(this.plugins, true)
    this.buildSystem(true)

    // magic
    this.state = this.buildSystem()
let stateName = [selectorGroupName.slice(0, -9)] // selectors = 9 chars
let wrappers = this.system.statePlugins[stateName].wrapSelectors
if (wrappers) {
  return obj
}

let wrap = wrappers[selectorName]
if (wrap) {
  return wrapSelector
}

let wrap = [wrap]
return wrap.reduce((acc, fn) => {
  let wrappedSelector = (...args) => {
    let fn = this.getSystem()
    return fn(acc, ...
  }

  return selectors
}
)

getStates(state) {
  return Object.keys(this.system.statePlugins).reduce((obj, key) => {
    obj[key] = state.get(key)
    return obj
  }, {})
}

getComponents(component) {
  if (Array.isArray(res)) {
    return res.reduce((ori, wrapper) => {
      return wrapper(ori, this.getSystem())
    }, ori)
  }

  if (typeof component !== "undefined") {
    return this.system.components[component]
  }

  return this.system.components
}

getBoundSelectors(getState, getSystem) {
  return objMap(this.getSelectors(), (obj, key) => {
    let stateName = [key.slice(0, -9)] // selectors = 9 chars
    const getNestedState = () => getState().getIn(stateName)

    return objMap(obj, (fn) => {
      return (...args) => {
        let res = wrapWithTryCatch(fn).apply(null, [getNestedState(), ...args])

          // If a selector returns a function, give it the system - for advanced usage
        if (typeof(fn) === "function")
          res = wrapWithTryCatch(res)(getSystem())

        return res
      }
    })
  })
}

getBoundActions(dispatch) {
  dispatch = dispatch || this.getStore().dispatch

  const actions = this.getActions()

  const process = creator =>{
    if( typeof( creator ) !== "function" ) {
      return objMap(creator, prop => process(prop))
    }

    return ( ...args )=>{
      var action = null
      try{
        action = creator( ...args )
      }
      catch(e ){
        action = {type: NEW_THROWN_ERR, error: true, payload: serializeError(e) }
      }
      finally{
        return action // eslint-disable-line no-unsafe-finally
      }
    }
  }

  return objMap(actions,
    actionCreator => bindActionCreators( process( actionCreator ), dispatch ) )
}

getMapStateToProps() {
  return () => {
    return Object.assign({}, this.getSystem())
  }
}

getMapDispatchToProps(extras) {
  return (dispatch) => {
    return deepExtend({}, this.getWrappedAndBoundActions(dispatch), this.getFn(),
    extras) // ESLINT-Rules
  }
}

function combinePlugins(plugins, toolbox) {
  if(isObject(plugins) && !isArray(plugins)) {
    return assignDeep({}, plugins)
  }

  if(isFunc(plugins)) {
    return combinePlugins(plugins(toolbox), toolbox)
  }

  if(isArray(plugins)) {
    return plugins.reduce(systemExtend, {})
  }

  return {}
}

function callAfterLoad(plugins, system, { hasLoaded } = {}) {
  let calledSomething = hasLoaded
  if(isObject(plugins) && !isArray(plugins)) {
    if(typeof(plugins.afterLoad) === "function") {
      calledSomething = true
      wrapWithTryCatch(plugins.afterLoad).call(this, system)
    }
  }

  if(isFunc(plugins))
    return callAfterLoad.call(this, plugins(system), system, { hasLoaded })

  let calledSomething = hasLoaded
  if(isArray(plugins)) {
    return callAfterLoad.call(this, plugins(system), system, { hasLoaded: calledSomething })
  }

  return plugins.callAfterLoad.call(system, system, { hasLoaded: calledSomething })
}

function systemExtend(dest={}, src={}) {
  if(!isObject(dest)) {
    return {}
  }

  if(!isObject(src)) {
    return dest
  }

  // Wrap components
  // Parses existing components in the system, and prepares them for wrapping via getComponents
  function combinePlugins(plugins, toolbox) {
    if(isObject(plugins) && isArray(plugins)) {
      return combinePlugins(plugins(toolbox), toolbox)
    }

    if(isArray(plugins)) {
      return plugins.reduce(systemExtend, {})
    }

    let calledSomething = hasLoaded
    if(isObject(plugins)) {
      if(isArray(plugins)) {
        return callAfterLoad.call(this, plugins(system), system, { hasLoaded: calledSomething })
      }

      return plugins(callAfterLoad.call(this, plugins(system), system, { hasLoaded: calledSomething }))
    }

    return deepExtend({}, plugins)
  }

  let dest = systemExtend({
    dest: 
  })

  let ori = dest[component]
  delete ori[component]
  delete dest[component]
The provided text appears to be a snippet of JavaScript code related to handling of plugins and actions within a system. The code contains methods for handling state and actions, including deep extending state objects, building reducers, and combining reducers. It also includes a function for creating a store with middleware.

The code snippet includes methods for handling object properties, such as `defineProperty`, and demonstrates the use of `require` to import and use core JavaScript functions.

Overall, the code is part of a larger system designed to manage state and actions in a plugin-based architecture, possibly for a distributed system like SD-WAN.
printWarning = function (format) {
  for (var _len = arguments.length, args = Array(_len > 1 ? _len - 1 : 0), _key = 1; _key < _len; _key++) {
    args[_key - 1] = arguments[_key];
  }
  var argIndex = 0;
  var message = 'Warning: ' + format.replace(/%s/g, function () {
    return args[argIndex++];
  });
  if (typeof console !== 'undefined') {
    console.warn(message);
  }
  try {
    // --- Welcome to debugging React ---
    // This error was thrown as a convenience so that you can use this stack
    // to find the callsite that caused this warning to fire.
    throw new Error(message);
  } catch (x) {
  }
}

lowPriorityWarning = function (condition, format) {
  if (format === undefined) {
    throw new Error('`lowPriorityWarning(condition, format, ...args)` requires a ' + 'warning message argument');
  }
  if (!condition) {
    var argIndex = 0;
    var message = 'Warning: ' + format.replace(/%s/g, function () {
      return args[argIndex++];
    });
    if (typeof console !== 'undefined') {
      console.warn(message);
    }
    try {
      // --- Welcome to debugging React ---
      // This error was thrown as a convenience so that you can use this stack
      // to find the callsite that caused this warning to fire.
      throw new Error(message);
    } catch (x) {
    }
  }
}

module.exports = lowPriorityWarning;


//////////////////
// WEBPACK FOOTER
// module.id = 538 // module.chunks = 0
/**
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 * 
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 * LICENSE file in the root directory of this source tree.
 * 
 * Unpkg/LICENSE
 */

'use strict';

var PooledClass = require('./PooledClass');
var ReactElement = require('./ReactElement');

var emptyFunction = require('fbjs/lib/emptyFunction');
var traverseAllChildren = require('./traverseAllChildren');

var twoArgumentPooler = PooledClass.twoArgumentPooler;
var fourArgumentPooler = PooledClass.fourArgumentPooler;

var userProvidedKeyEscapeRegex = /\/+/g;
function escapeUserProvidedKey(text) {
  return ('' + text).replace(userProvidedKeyEscapeRegex, '$&/');
}

/**
 * PooledClass representing the bookkeeping associated with performing a child
 * traversal. Allows avoiding binding
 * callbacks.
 * 
 * @constructor ForEachBookKeeping
 * @param {!function} forEachFunction Function to
 * perform traversal with.
 * @param {?*} forEachContext Context to perform context with.
 */
function ForEachBookKeeping(forEachFunction, forEachContext) {
  this.func = forEachFunction;
  this.context = forEachContext;
  this.count = 0;
}

ForEachBookKeeping.prototype.destructor = function () {
  this.func = null;
  this.context = null;
  this.count = 0;
};
PooledClass.addPoolingTo(ForEachBookKeeping, twoArgumentPooler);

function forEachSingleChild(bookKeeping, child, name) {
  var func = bookKeeping.func,
      context = bookKeeping.context;

  func.call(context, child, bookKeeping.count++);
}

/**
 * Iterates through children that are typically specified as `props.children`.
 * 
 * See https://facebook.github.io/react/docs/top-level-api.html#react.children.foreach
 * 
 * The provided
 * forEachFunction will be called for each child * traversal. Allows avoiding binding
 * callbacks.
 * 
 * @param {?*} children Children tree
 * @param {function(*, int)} forEachFunc
 * @param {*} forEachContext Context for
 */
function forEachChildren(children, forEachFunc, forEachContext) {
  if (children == null) {
    return children;
  }
  var traverseContext = ForEachBookKeeping.getPooled(forEachFunc,
    forEachContext);
  traverseAllChildren(children, forEachSingleChild, traverseContext);
  ForEachBookKeeping.release(traverseContext);
}

function mapSingleChildIntoContext(bookKeeping, child, childKey) {
  var result = bookKeeping.result,
      keyPrefix = bookKeeping.keyPrefix,
      func = bookKeeping.func,
      context = bookKeeping.context;
  result[keyPrefix + childKey] = func.call(context, child,
    bookKeeping.count++);
}

function mapIntoWithKeyPrefixInternal(mappedChild, result, keyPrefix,
  func, context) {
  return func.call(context, mappedChild, thisKeyName);
}

function mapIntoWithKeyPrefixInternal(mappedChild, result, keyPrefix,
  func, context) {
  if (Array.isArray(mappedChild)) {
    mapIntoWithKeyPrefixInternal(mappedChild, result, keyPrefix,
      func, context);
  } else if (mappedChild != null) {
    var func = ReactElement.isValidElement(mappedChild) ?
      func.call(context, child, bookKeeping.count++) : null;
  }
}

function MapBookKeeping(mapResult, keyPrefix, mapFunction, mapContext) {
  this.result = mapResult;
  this.keyPrefix = keyPrefix;
  this.func = mapFunction;
  this.context = mapContext;
  this.count = 0;
}

MapBookKeeping.prototype.destructor = function () {
  this.result = null;
  this.keyPrefix = null;
  this.func = null;
  this.context = null;
  this.count = 0;
  PooledClass.addPoolingTo(this);
}

function mapIntoWithKeyPrefixInternal(mappedChild, result, keyPrefix,
  func, context) {
  var varResult = bookKeeping.result;
  var varKey = bookKeeping.keyPrefix;
  var varChild = func.call(context, child, bookKeeping.count++);
  if (Array.isArray(mappedChild)) {
    mapIntoWithKeyPrefixInternal(mappedChild, result, keyPrefix,
      func, context);
  } else if (mappedChild != null) {
    var varResult = bookKeeping.result;
    var varKey = bookKeeping.keyPrefix;
    var varChild = func.call(context, child, bookKeeping.count++);
  }
}
ReactElement.cloneAndReplaceKey(mappedChild,
    // Keep both the (mapped) and old keys if they differ, just
    // traverseAllChildren used to do for objects as children
    keyPrefix + (mappedChild.key && (child ||
    child.key !== mappedChild.key) ? escapeUserProvidedKey(mappedChild.key) + '/' : '') + childKey);

    result.push(mappedChild);
  }]

  singularResult.push(result);
}

function mapIntoWithKeyPrefixInternal(children, array, prefix, func, context)
{
  var escapedPrefix = '';
  if (prefix != null) {
    escapedPrefix = escapeUserProvidedKey(prefix) + '/';
  }

  var traverseContext = MapBookKeeping.getPooled(array, escapedPrefix, func, context);

  traverseAllChildren(children, mapSingleChildIntoContext, traverseContext);

  MapBookKeeping.release(traverseContext);
}

/**
 * Maps children that are typically specified as
 * `props.children`.
 */

function mapChildren(children, func, context) {
  if (children == null) {
    return children;
  }
  var result = [];
  mapIntoWithKeyPrefixInternal(children, result, null, func, context);
  return result;
}

function forEachSingleChildDummy(traverseContext, child, name) {
  return null;
}

/**
 * Flattens children that are typically specified as
 * `props.children`, and returns an array with appropriately re-keyed children.
 */

function toArray(children) {
  var result = [];
  mapIntoWithKeyPrefixInternal(children, result, null, emptyFunction.thatReturnsArgument);
  return result;
}

var ReactChildren = {
  forEach: forEachChildren,
  map: mapChildren,
  mapIntoWithKeyPrefixInternal: mapIntoWithKeyPrefixInternal,
  count: countChildren,
  toArray: toArray
};

module.exports = ReactChildren;

\\\\\\\n// WEBPACK FOOTER\\\\\\
\// module.id = 539
\// module.chunks = 0
\// module.filename = "/node_modules/react/lib/ReactChildren.js"
\// module.exports = ReactChildren;
@param {Function} CopyConstructor Constructor that can be used to reset.

```javascript
var NewKlass = CopyConstructor;
```

NewKlass.prototype.instancePool = [];

```javascript
var NewKlass.getPool = pooler || DEFAULT_POOLER;
```

if (!NewKlass.poolSize) {
  NewKlass.poolSize = DEFAULT_POOL_SIZE;
}

```javascript
NewKlass.release = standardReleaser;
```

var PooledClass = {
  addPoolingTo: addPoolingTo,
  oneArgumentPooler: oneArgumentPooler,
  twoArgumentPooler: twoArgumentPooler,
  threeArgumentPooler: threeArgumentPooler,
  fourArgumentPooler: fourArgumentPooler
};

module.exports = PooledClass;

/**
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 */

'use strict';

var getIteratorFn = require('./getIteratorFn');
var invariant = require('fbjs/lib/invariant');
var KeyEscapeUtils = require('./KeyEscapeUtils');
var warning = require('fbjs/lib/warning');

var SEPARATOR = '.';
var SUBSEPARATOR = ':';

function getComponentKey(component, index) {
  // Do some typechecking here since we call this blindly. We want to ensure
  // that we don't block potential future ES APIs.
  if (component && typeof component === 'object' && component.key != null) {
    // Explicit key
    return KeyEscapeUtils.escape(component.key);
  }

  // Implicit key determined by the index in the set
  return index.toString(36);
}

function traverseAllChildrenImpl(children, nameSoFar, callback, traverseContext) {
  var type = typeof children;

  if (type === 'undefined' || type === 'boolean') {
    children = null;
  }

  if (children === null || type === 'string' || type === 'number' ||
      type === 'object' && children.$$typeof === REACT_ELEMENT_TYPE) {
    callback(traverseContext, children,
              // If it's the only child, treat the name as if it was wrapped in an array
              // so that it's consistent if the number of children grows.
              nameSoFar === '' ? SEPARATOR + getComponentKey(children, 0) : nameSoFar);
    return 1;
  }

  var child;
  var nextName;
  var subtreeCount = 0; // Count of children found in the current subtree.
  var nextNamePrefix = nameSoFar === '' ? SEPARATOR : nameSoFar + SUBSEPARATOR;

  if (Array.isArray(children)) {
    for (var i = 0; i < children.length; i++) {
      child = children[i];
      nextName = nextNamePrefix + getComponentKey(child, i);
      subtreeCount +=
      traverseAllChildrenImpl(child, nextName, callback, traverseContext);
    }
  } else {
    var iteratorFn = getIteratorFn(children);
    if (iteratorFn) {
      var iterator = iteratorFn.call(children);
      var step;
      if (iteratorFn !== children.entries) {
        var ii = 0;
        while (!(step = iterator.next()).done) {
          child = step.value;
          nextName = nextNamePrefix + getComponentKey(child, ii++);
          subtreeCount +=
          traverseAllChildrenImpl(child, nextName, callback, traverseContext);
        }
      } else {
        if (process.env.NODE_ENV !== 'production') {
          var mapsAsChildrenAddendum = " Check the render method of "+ mapsAsChildrenOwnerName + ";
        }
        process.env.NODE_ENV !== 'production' ? warning(didWarnAboutMaps, 'Using Maps as children is not
yet fully supported. It is an ‘+’ experimental feature that might be removed. Convert it to a ‘+’ sequence / iterable of keyed ReactElements instead. %s’, mapsAsChildrenAddendum); void 0; didWarnAboutMaps = true;

// Iterator will provide entry [k,v] tuples rather than values.
while (! (step = iterator.next()).done) {
  var entry = step.value;
  if (entry)
    [nextName = nextNamePrefix + KeyEscapeUtils.escape(entry[0]) + SUBSEPARATOR + getComponentKey(child, 0);]
    subtreeCount += traverseAllChildrenImpl(child, nextName, callback, traverseContext);
}

var addendum = "";

if (process.env.NODE_ENV !== 'production')
  addendum = ' It looks like you’re using an element created by a different \" + \version of React. Make sure to use only one copy of
React.\n"

if (ReactCurrentOwner.current)
  var name = ReactCurrentOwner.current.getName();

if (name)
  addendum += ' Check the render method of \" + name + ",\n
var childrenString = String(children);

return subtreeCount;

/**
 * Traverses children that are typically specified as \props.children\, but\n * might also be specified through attributes:\n * \props.* - \traverseAllChildren(this.props.children, ...)
 * \props.leftPanelChildren - \traverseAllChildren(this.props.leftPanelChildren, ...)
 * \n
 * The \traverseContext\ is an optional argument that is
 * passed through\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
 * might find relevant.\n * @param {\*} children Children tree object.\n * @param {\*} callback To invoke
 * upon traversing each child.\n * @param {\*} traverseContext Context for traversal.\n * @return {!\number} The
 * number of children in this subtree.\n
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 * \props.children\ are typically specified as \props.children\, but\n * might also be
 * specified through attributes:\n * \props.* - \traverseAllChildren(this.props.children, ...)

 * The \traverseContext\ is an optional argument that is
 * passed through\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
 * might find relevant.\n * @param {\*} children Children tree object.\n
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 * Copyright (c) 2013-present, Facebook, Inc.\n
 * \props.children\ are typically specified as \props.children\, but\n * might also be
 * specified through attributes:\n * \props.* - \traverseAllChildren(this.props.children, ...)

 * The \traverseContext\ is an optional argument that is
 * passed through\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
 * might find relevant.\n * @param {\*} children Children tree object.\n
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 * \props.children\ are typically specified as \props.children\, but\n * might also be
 * specified through attributes:\n * \props.* - \traverseAllChildren(this.props.children, ...)

 * The \traverseContext\ is an optional argument that is
 * passed through\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
 * might find relevant.\n * @param {\*} children Children tree object.\n
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 * \props.children\ are typically specified as \props.children\, but\n * might also be
 * specified through attributes:\n * \props.* - \traverseAllChildren(this.props.children, ...)

 * The \traverseContext\ is an optional argument that is
 * passed through\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
 * might find relevant.\n * @param {\*} children Children tree object.\n
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 * \props.children\ are typically specified as \props.children\, but\n * might also be
 * specified through attributes:\n * \props.* - \traverseAllChildren(this.props.children, ...)

 * The \traverseContext\ is an optional argument that is
 * passed through\n * entire traversal. It can be used to store accumulations or anything else that\n * the callback
 * might find relevant.\n * @param {\*} children Children tree object.\n
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 * Copyright (c) 2013-present, Facebook, Inc.\n
 * \props.children\ are typically specified as \props.children\, but\n * might also be
KeyEscapeUtils = {
  escape: escape,
  unescape: unescape
};

module.exports =

KeyEscapeUtils = {
  escape: escape,
  unescape: unescape
};

module.exports =

KeyEscapeUtils = {
  escape: escape,
  unescape: unescape
};

module.exports = KeyEscapeUtils;

module.exports =

KeyEscapeUtils = {
  escape: escape,
  unescape: unescape
};

module.exports = KeyEscapeUtils;

//////////////////
// WEBPACK FOOTER
// ./node_modules/react/lib/KeyEscapeUtils.js
// module id = 543
// module chunks = 0
/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @license MIT
 */

'use strict';

var ReactElement = require('./ReactElement');

/**
 * Create a factory that creates HTML tag elements.
 * @private
 */
var createDOMFactory = ReactElement.createElement;
if (process.env.NODE_ENV !== 'production') {
  var ReactElementValidator = require('./ReactElementValidator');
  createDOMFactory = ReactElementValidator.createElement;
}

/**
 * Creates a mapping from supported HTML tags to `ReactDOMComponent` classes.
 */
var createDOMFactories = {
  a: createDOMFactory('a'),
  abbr: createDOMFactory('abbr'),
  address: createDOMFactory('address'),
  area: createDOMFactory('area'),
  article: createDOMFactory('article'),
  aside: createDOMFactory('aside'),
  audio: createDOMFactory('audio'),
  b: createDOMFactory('b'),
  base: createDOMFactory('base'),
  bdi: createDOMFactory('bdi'),
  bdo: createDOMFactory('bdo'),
  big: createDOMFactory('big'),
  blockquote: createDOMFactory('blockquote'),
  body: createDOMFactory('body'),
  br: createDOMFactory('br'),
  button: createDOMFactory('button'),
  canvas: createDOMFactory('canvas'),
  caption: createDOMFactory('caption'),
  cite: createDOMFactory('cite'),
  code: createDOMFactory('code'),
  col: createDOMFactory('col'),
  colgroup: createDOMFactory('colgroup'),
  data: createDOMFactory('data'),
  datalist: createDOMFactory('datalist'),
  dd: createDOMFactory('dd'),
  del: createDOMFactory('del'),
  details: createDOMFactory('details'),
  dfn: createDOMFactory('dfn'),
  dialog: createDOMFactory('dialog'),
  div: createDOMFactory('div'),
  dl: createDOMFactory('dl'),
  dt: createDOMFactory('dt'),
  em: createDOMFactory('em'),
  embed: createDOMFactory('embed'),
  fieldset: createDOMFactory('fieldset'),
  figcaption: createDOMFactory('figcaption'),
  figure: createDOMFactory('figure'),
  footer: createDOMFactory('footer'),
  form: createDOMFactory('form'),
  h1: createDOMFactory('h1'),
  h2: createDOMFactory('h2'),
  h3: createDOMFactory('h3'),
  h4: createDOMFactory('h4'),
  h5: createDOMFactory('h5'),
  h6: createDOMFactory('h6'),
  header: createDOMFactory('header'),
  hgroup: createDOMFactory('hgroup'),
  hr: createDOMFactory('hr'),
  html: createDOMFactory('html'),
  i: createDOMFactory('i'),
  iframe: createDOMFactory('iframe'),
  img: createDOMFactory('img'),
  input: createDOMFactory('input'),
  ins: createDOMFactory('ins'),
  kbd: createDOMFactory('kbd'),
  keygen: createDOMFactory('keygen'),
  label: createDOMFactory('label'),
  legend: createDOMFactory('legend'),
  li: createDOMFactory('li'),
  link: createDOMFactory('link'),
  main: createDOMFactory('main'),
  map: createDOMFactory('map'),
  mark: createDOMFactory('mark'),
  menu: createDOMFactory('menu'),
  menuitem: createDOMFactory('menuitem'),
  meta: createDOMFactory('meta'),
  meter: createDOMFactory('meter'),
  nav: createDOMFactory('nav'),
  noscript: createDOMFactory('noscript'),
  object: createDOMFactory('object'),
  ol: createDOMFactory('ol'),
  optgroup: createDOMFactory('optgroup'),
  option: createDOMFactory('option'),
  output: createDOMFactory('output'),
  p: createDOMFactory('p'),
  param: createDOMFactory('param'),
  picture: createDOMFactory('picture'),
  pre: createDOMFactory('pre'),
  progress: createDOMFactory('progress'),
  q: createDOMFactory('q'),
  r: createDOMFactory('r'),
  rp: createDOMFactory('rp'),
  s: createDOMFactory('s'),
  samp: createDOMFactory('samp'),
  script: createDOMFactory('script'),
  section: createDOMFactory('section'),
  select: createDOMFactory('select'),
  small: createDOMFactory('small'),
  source: createDOMFactory('source'),
  span: createDOMFactory('span'),
  strong: createDOMFactory('strong'),
  style: createDOMFactory('style'),
  sub: createDOMFactory('sub'),
  summary: createDOMFactory('summary'),
  sup: createDOMFactory('sup'),
  table: createDOMFactory('table'),
  tbody: createDOMFactory('tbody'),
  td: createDOMFactory('td'),
  textarea: createDOMFactory('textarea'),
  tfoot: createDOMFactory('tfoot'),
  th: createDOMFactory('th'),
  thead: createDOMFactory('thead'),
  time: createDOMFactory('time'),
  title: createDOMFactory('title'),
  tr: createDOMFactory('tr'),
  track: createDOMFactory('track'),
  u: createDOMFactory('u'),
  ul: createDOMFactory('ul'),
  var: createDOMFactory('var'),
  video: createDOMFactory('video'),
  wbr: createDOMFactory('wbr'),
} // SVG

circle: createDOMFactory('circle'),
clipPath: createDOMFactory('clipPath'),
defs: createDOMFactory('defs'),

createObjectOfTypeChecker,
    oneOf: createEnumTypeChecker,
    oneOfType: createUnionTypeChecker,
  };

  /**
   * inlined Object.is
   */
  /*eslint-disable no-self-compare*/
  function is(x, y) {
    // SameValue algorithm
    if (x === y) {
      // Steps 1-5, 7-10
      // Steps 6.b-6.e: +0 != -0
      return x !== 0 || 1 / x === 1 / y;
    } else {
      // Step 6.a: NaN == NaN
      return x !== x && y !== y;
    }
  }
  /*eslint-enable no-self-compare*/

  /**
   * We use an Error-like object for backward compatibility as
   * people may call * PropTypes directly and inspect their output. However, we don't use real * Errors anymore.
   * We don't inspect their stack anyway, and creating them * is prohibitively expensive if they are created too often,
   * such as what*n * happens in oneOfType() for any type before the one that matched.*
   */
  function PropTypeError(message) {
    this.message = message;
    this.stack = '';
  }
  // Make `instanceof Error` still
  PropTypeError.prototype = Error.prototype;

  function createChainableTypeChecker(validate) {
    if (process.env.NODE_ENV !== 'production') {
      var manualPropTypeCallCache = {};
      var manualPropTypeWarningCount = 0;
    }
    function checkType(isRequired, props, propName, componentName, location, propFullName, secret) {
      componentName = componentName || ANONYMOUS;
      propFullName = propFullName || propName;

      if (secret !== ReactPropTypesSecret) {
        if (throwOnDirectAccess) {
          // New behavior only for users of
          // https://fb.me/use-check-prop-types
          invariant(
            false,
            'Calling PropTypes validators directly is not supported by the `prop-types` package. ' +
            'Use `PropTypes.checkPropTypes()` to call them. ' +
            'Read more at http://fb.me/use-check-prop-types'
          );
        } else if (process.env.NODE_ENV !== 'production' && typeof console !== 'undefined') {
          // Old behavior for people using React.PropTypes
          var cacheKey = componentName + ':' + propName;
          if (!manualPropTypeCallCache[cacheKey] &&
            // Avoid spamming the console because they are often not actionable except for lib authors
            manualPropTypeWarningCount < 3
          ) {
            warning(
              false,
              'You are manually calling a React.PropTypes validation ' +
              'function for the `%s` prop on `%s`. This is deprecated ' +
              'and will throw in the standalone `prop-types` package. ' +
              'You may be seeing this warning due to a third-party PropTypes `+` library. See https://fb.me/react-warning-dont-call-proptypes ' + 'for details.

            propFullName,
            componentName
          );
          manualPropTypeCallCache[cacheKey] = true;
        }
      }
      if (props[propName] == null) {
        if (isRequired) {
          if (props[propName] === null) {
            return new PropTypeError('The ' + location + ' `' + propFullName + '` is marked as required ' + ('in `' + componentName + '`, but its value is `null`.'));
          }
          return new PropTypeError('The ' + location + ' `' + propFullName + '` is marked as required in ' + ('`' + componentName + '`, but its value is `undefined`.'));
        }
        return null;
      } else {
        return validate(props, propName, componentName, location, propFullName);
      }
    }

    var chainedCheckType = checkType.bind(null, false);
    chainedCheckType.isRequired = checkType.bind(null, true);

    return chainedCheckType;
  }

  function createPrimitiveTypeChecker(expectedType) {
    return createChainableTypeChecker(emptyFunction.thatReturnsNull);
  }

  function createAnyTypeChecker() {
    return createChainableTypeChecker(null);
  }

  function createArrayOfTypeChecker(typeChecker) {
    return function arrayOfTypeValidator(props, propName, componentName, location, propFullName) {
      if (typeof typeChecker !== 'function') {
        return new PropTypeError('Property `' + propFullName + '`` of component `' + componentName + '`` has invalid PropType notation inside arrayOf.');
      }
      var propValue = props[propName];
      if (!Array.isArray(propValue)) {
        return new PropTypeError('Invalid ' + location + ' `' + propFullName + '` of type `' + (`` + expectedType + `) supplied to ` + componentName + ` expected ' + expectedType + `.');
      }
      return validate(props, propName, componentName, location, propFullName, secret) {
        var propValue = props[propName];
        for (var key = 0; key < propValue.length; key++) {
          if (typeChecker(propValue[key], key, componentName, location, propFullName)) {
            return null;
          }
        }
        return new PropTypeError('Invalid ' + location + ' `' + propFullName + `' at position ` + key + ` in `' + componentName + `' .');
      }
    };
  }
getPropType(propValue);
    return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + (''' + propType + ''' supplied to ' + componentName + ''', expected an array.'));
  } else if (propValue.length; i++) {
    var error = typeChecker(propValue, i, componentName, location, propFullName + '[' + i + ']', ReactPropTypesSecret);
    if (error instanceof Error) {
      return error;
    }
  }
  return null;
}

function createChainableTypeChecker(validate) {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    var propType = getPropType(propValue);
    return new PropTypeError('Invalid ' + location + ' + ' + propName + ' + ' + propFullName + ' of type ' + (''' + propType + ''' supplied to ' + componentName + ''', expected an array.'));
  }
  return createChainableTypeChecker(validate);
}

function createElementTypeChecker() {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    if (!isValidElement(propValue)) {
      var propType = getPropType(propValue);
      return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + (''' + propType + ''' supplied to ' + componentName + ''', expected a single ReactElement.'));
    }
    return null;
  }
  return createChainableTypeChecker(validate);
}

function createInstanceTypeChecker(expectedClass) {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    if (!(props[propName] instanceof expectedClass)) {
      var expectedClassName = expectedClass.name || ANONYMOUS;
      var actualClassName = getClassName(props[propName]);
      return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + (''' + actualClassName + ''' supplied to ' + componentName + ''', expected ' + ('instance of ' + expectedClassName + ')).');
    }
    return null;
  }
  return createChainableTypeChecker(validate);
}

function createEnumTypeChecker(expectedValues) {
  if (!Array.isArray(expectedValues)) {
    process.env.NODE_ENV !== 'production' ? warning(false, 'Invalid argument supplied to oneOf, expected an instance of array.') : void 0;
    return emptyFunction.thatReturnsNull;
  }
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    for (var i = 0; i < expectedValues.length; i++) {
      if (is(propValue, expectedValues[i])) {
        return null;
      }
    }
    var valuesString = JSON.stringify(expectedValues);
    return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of value ' + propValue + ' + ' + ('supplied to ' + componentName + ''', expected one of ' + valuesString + ').');
  }
  return createChainableTypeChecker(validate);
}

function createObjectOfTypeChecker(typeChecker) {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    var propType = getPropType(propValue);
    if (propType !== 'object') {
      return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + (''' + propType + ''' supplied to ' + componentName + ''', expected an object.'));
    }
    for (var key in propValue) {
      if (propValue.hasOwnProperty(key)) {
        var error = typeChecker(propValue, key, componentName, location, propFullName + '.' + key, ReactPropTypesSecret);
        if (error instanceof Error) {
          return error;
        }
      }
    }
    return null;
  }
  return createChainableTypeChecker(validate);
}

function createUnionTypeChecker(arrayOfTypeCheckers) {
  if (!Array.isArray(arrayOfTypeCheckers)) {
    process.env.NODE_ENV !== 'production' ? warning(false, 'Invalid argument supplied to oneOfType, expected an instance of array.') : void 0;
    return emptyFunction.thatReturnsNull;
  }
  for (var i = 0; i < arrayOfTypeCheckers.length; i++) {
    var checker = arrayOfTypeCheckers[i];
    if (typeof checker !== 'function') {
      warning(false,
      'Invalid argument supplied to oneOfType. Expected an array of check functions, but ' +
      'received %s at index %s.',
      getPostfixForTypeWarning(checker),
      i
    );
  }
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    for (var i = 0; i < arrayOfTypeCheckers.length; i++) {
      var checker = arrayOfTypeCheckers[i];
      if (checker(props, propName, componentName, location, propFullName, ReactPropTypesSecret) == null) {
        return null;
      }
    }
    return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' + ' + componentName + '', expected an instance of array.');
  }
  return createChainableTypeChecker(validate);
}

function createNodeChecker() {
  function validate(props, propName, componentName, location, propFullScreen) {
    if (!isNode(props[propName])) {
      return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' supplied to ' + (''' + componentName + ''', expected a ReactNode.'));
    }
    return null;
  }
  return createChainableTypeChecker(validate);
}

function createShapeTypeChecker(shapeTypes) {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    var propType = getPropType(propValue);
    if (propType !== 'object') {
      return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + (''' + propType + ''' supplied to ' + componentName + ''', expected an object.'));
    }
    for (var key in propValue) {
      if (propValue.hasOwnProperty(key)) {
        var error = typeChecker(propValue, key, componentName, location, propFullScreen + '.' + key, ReactPropTypesSecret);
        if (error instanceof Error) {
          return error;
        }
      }
    }
    return null;
  }
  return createChainableTypeChecker(validate);
}
validate(props, propName, componentName, location, propFullName) {
  var propValue = props[propName];
  var propType = getPropType(propValue);
  if (propType !== 'object') { return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + propType + ' (supplied to ' + location + ' expected ' + 'object).'); }
  for (var key in shapeTypes) {
    var varKey = shapeTypes[key];
    if (!checker) { continue; }
  }
}

function createChainableTypeChecker(validate) {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    var propType = getPropType(propValue);
    if (propType !== 'object') { return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + propType + ' (supplied to ' + location + ' expected object).'); }
  }
  return propValue.every(isNode);
}

function getPostfixForTypeWarning(value) {
  var type = getPreciseType(value);
  switch (type) {
    case 'array':
    case 'object':
      return 'an ' + type;
    case 'boolean':
      return 'true' + (value ? ' or ' : ' of') + ' type ' + type;
    case 'func':
      return 'function ' + type + ' returning ' + type;
    case 'null':
      return 'nullish ' + type;
    default:
      return type;
  }
}

function getClassName(propValue) {
  if (!propValue.constructor || typeof propValue === 'undefined' || propValue === null) {
    return ''; 
  }
  var propType = getPropType(propValue);
  if (propType !== 'object') {
    return propType;
  }
  var isNode = isNode(propValue);
  if (isNode && propType !== 'symbol') {
    return 'a ' + type;
  }
  return propType.constructor.name;
}

function getInvalidPropsWarning(props, componentName, location, propName, propKeys) {
  var propType = getPropType(props[propName]);
  if (propType !== 'object') {
    return new PropTypeError('Invalid ' + location + ' `' + propName + '` of type `' + propType + ` of type ` + location + ` expected object.`);
  }
  var allKeys = assign({}, props[propName], shapeTypes);
  for (var key in allKeys) {
    var checker = shapeTypes[key];
    if (!checker) { continue; }
    var error = checker(props[propName], key, ReactPropTypesSecret);
    if (error) { return error; }
  }
  return null;
}

function createStrictShapeTypeChecker(shapeTypes) {
  function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    var propType = getPropType(propValue);
    if (propType !== 'object') { return new PropTypeError('Invalid ' + location + ' + ' + propFullName + ' of type ' + propType + ' (supplied to ' + location + ' expected object).'); }
    if (/propValue.constructor.name) {
      return ANONYMOUS;
    }
    return propValue.constructor.name;
  }
  return propValue.constructor.name;
}

function isSymbol(propType, propValue) {
  return propType === 'symbol';
}

function getPropType(propValue) {
  var propType = typeof propValue;
  switch (propType) {
    case 'number':
    case 'string':
    case 'undefined':
      return propValue;
    case 'boolean':
      return !propValue;
    case 'object':
      if (Array.isArray(propValue)) {
        return 'array';
      }
      if (propValue instanceof Symbol) {
        return true;
      }
      if (propValue instanceof RegExp) {
        return 'regexp';
      }
      if (propValue instanceof Date) {
        return 'date';
      } else if (propValue instanceof RegExp) {
        return 'regexp';
      }
      if (propType === 'symbol') {
        return true;
      }
      return false;
    default:
      return false;
  }
}

function isNode(propValue) {
  var isObject = (propValue && typeof Symbol !== 'function' && typeof Symbol.prototype[@@toStringTag] !== 'symbol') || typeof propType === 'function' && propValue instanceof Symbol;
  return isObject;
}

function createPrimitiveTypeChecker(type) {
  return function validate(props, propName, componentName, location, propFullName) {
    var propValue = props[propName];
    var propType = getPropType(propValue);
    if (propType !== 'object') {
      return new PropTypeError('Invalid ' + location + ' `' + propName + '` of type `' + propType + ` of type ` + location + ` expected object.`);
    }
    var isNode = isNode(propValue);
    if (isNode) {
      return propValue;
    }
    return propValue.constructor.name;
  }
  return propValue.constructor.name;
}

function getIteratorFn(propValue) {
  var iteratorFn = getIteratorFn(propValue);
  if (iteratorFn) {
    var iterator = iteratorFn.call(propValue);
    var step;
    if (iteratorFn !== propValue.entries) {
      while (!(step = iterator.next()).done) {
        if (!isNode(step.value)) {
          return false;
        }
      }
    }
    if (isNode(step.value)) {
      return false;
    }
    return true;
  }
}

function getKeysLINK(shapeTypes, null, '') { }
Open Source Used In SDWan 20.4.1
ReactNoopUpdateQueue) {

/**
 * Policies that describe methods in `ReactClassInterface`. *
 */

var injectedMixins = []; /*

***/
/*
 */
/**
 * Composite components are higher-level components that compose other
 */

* components. In * or host components.

* To create a new type of `ReactClass`, pass a specification of

* the `React.createClass`. The only requirement of your class

* specification is that you implement a

* `render` method.

* var MyComponent = React.createClass({

* render: function() {

* return <div>Hello World</div>;

* });

* The class specification supports a specific protocol of

* methods that have *

* special meaning (e.g. `render`). See `ReactClassInterface` for

* more the comprehensive

* protocol. Any other properties and methods in the

* class specification will be available on the prototype.

* var ReactClassInterface = { /*

* @interface ReactClassInterface /*

* a component's constructor instead of its prototype (static methods). /*

* @type (object) *

* @optional

*/

* statics: 'DEFINE_MANY', /*

* Definition of prop types for this component. /*

* @type (object) *

* @optional

*/

* propTypes: 'DEFINE_MANY', /*

* Definition of context types for this component. /*

* @type (object) *

* @optional

*/

* contextTypes: 'DEFINE_MANY', /*

* childContextTypes: 'DEFINE_MANY', /*

* // ====== Definition

* methods =====

* @return (object) *

* @optional

*/

* getDefaultProps: 'DEFINE_MANY_MERGED', /*

* @return (object) *

* @optional

*/

* getInitialState: function() {

* return {

* isOn: false,

* fooBaz: new BazFoo()

* };

* @return (object) *

* @optional

*/

* getInitialState: function() {

* return {

* name: this.props.name;

* };

* @return (object) *

* @optional

*/

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return this.state;

* };

* render: function() {

* var name = this.props.name;

* return <div>Hello, {name}!</div>;

* };

* @optional

*/

* componentWillMount: 'DEFINE_MANY_MERGED', /*

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* componentDidMount: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillUpdate: 'DEFINE_MANY_MERGED', /*

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

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* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function(nextProps, nextState, nextContext) {

* return false;

* };

* componentWillReceiveProps: 'DEFINE_MANY_MERGED', /*

* shouldComponentUpdate: function nextProps, context) {

* this.state(

* likesIncreasing: nextProps.likeCount;
shouldComponentUpdate: 'DEFINE_ONCE',

    /**
     * Invoked when the component is about to update due to a transition from
     * `this.props`, `this.state` and `this.context` to `nextProps`, `nextState` and
     * `nextContext`. Use this as an opportunity to perform preparation before an update occurs.
     */

    componentWillUpdate: 'DEFINE_MANY',

    /**
     * Invoked when the component is about to receive new props. Return an object to
     * update state in response to prop changes. Return null to indicate no change to state.
     * If an object is returned, its keys will be merged into the existing state.
     */

    componentWillUnmount: 'DEFINE_MANY',

    /**
     * Replacement for (deprecated) `componentWillMount`.
     */

    UNSAFE_componentWillMount: 'DEFINE_MANY',

    /**
     * Replacement for (deprecated) `componentWillReceiveProps`.
     */

    UNSAFE_componentWillReceiveProps: 'DEFINE_MANY',

    /**
     * Replacement for (deprecated) `componentWillUpdate`.
     */

    UNSAFE_componentWillUpdate: 'DEFINE_MANY',

    // ==== Advanced methods ====

    /**
     * Updates the component's currently mounted DOM representation.
     * By default, this implements React's rendering and reconciliation algorithm.
     * Sophisticated clients may wish to override this.
     */

    updateComponent: 'OVERRIDE_BASE'
  };

  /**
   * Similar to ReactClassInterface but for static methods.
   */
  var ReactClassStaticInterface = {
    /**
     * This method is invoked after a component is instantiated and when it
     * receives new props. Return an object to
     * update state in response to prop changes. Return null to indicate no change to state.
     */

    getDerivedStateFromProps: 'DEFINE_MANY_MERGED'
  };

  /**
   * Mapping from class specification keys to special processing functions.
   * Although these are declared like instance properties in
   * when defining classes using `React.createClass`, they are actually static
   * and are accessible on the constructor instead of the prototype. Despite
   * being static, they must be defined outside of the
   * which all other static methods are defined.
   */

  RESERVED_SPEC_KEYS = {
    displayName: function(Constructor, displayName) {
      Constructor.displayName = displayName;
    },
    mixins: function(Constructor, mixins) {
      if (mixins) {
        for (var i = 0; i < mixins.length; i++) {
          mixSpecIntoComponent(Constructor, mixins[i]);
        }
      }
    },
    childContextTypes: function(Constructor, contextTypes) {
      if (process.env.NODE_ENV !== 'production') {
        validateTypeDef(Constructor, contextTypes, 'childContext');
      }
      Constructor.childContextTypes = _assign(
        {},
        Constructor.childContextTypes,
        contextTypes
      );
    },
    contextTypes: function(Constructor, contextTypes) {
      if (process.env.NODE_ENV !== 'production') {
        validateTypeDef(Constructor, contextTypes, 'context');
      }
      Constructor.contextTypes = _assign(
        {},
        Constructor.contextTypes,
        contextTypes
      );
    },
    defaultProps: function(Constructor, defaultProps) {
      if (process.env.NODE_ENV !== 'production') {
        validateTypeDef(Constructor, defaultProps, 'defaultProps');
      }
      Constructor.defaultProps = _assign({}, Constructor.defaultProps,
        defaultProps
      );
    },
    statics: function(Constructor, statics) {
      if (process.env.NODE_ENV !== 'production') {
        validateTypeDef(Constructor, statics, 'statics');
      }
      Constructor.statics = _assign({}, Constructor.statics,
        statics
      );
    }
  };
function(Constructor, statics) {
  mixStaticSpecIntoComponent(Constructor, statics);
}

function validateTypeDef(Constructor, typeDef, location) {
  for (var propName in typeDef) {
    // use a warning instead of an _invariant so
    // don't show up in prod but only in __DEV__
    if (process.env.NODE_ENV !== 'production') {
      warning(
        typeof typeDef[propName] === 'function',
        '%s: %s type `%s` is invalid; it must be a function, usually from ' +
        'React.PropTypes.',
        Constructor.displayName || 'ReactClass',
        ReactPropTypeLocationNames[location],
        propName
      );
    }
  }
}

function validateMethodOverride(isAlreadyDefined, name) {
  var specPolicy = ReactClassInterface.hasOwnProperty(name)
    ? ReactClassInterface[name] : null;
  // Disallow overriding of base class methods unless explicitly allowed.
  if (ReactClassMixin.hasOwnProperty(name)) {
    _invariant(specPolicy === 'OVERRIDE_BASE', 'ReactClassInterface: You are attempting to override ' +
      'a base class method named `%s` in your class specification. Ensure that your method names +
      'don't overlap with React methods.', name);
  }
}

function mixSpecIntoComponent(Constructor, spec) {
  if (!spec) {
    return;
  }
  _invariant(
    typeof spec !== 'function',
    "ReactClass: You're attempting " +
    'to use a component class or function as a mixin. Instead, just use a ' +
    'regular object.'
  );
  _invariant(
    !isValidElement(spec),
    "ReactClass: You're attempting to " +
    'use a component as a ' +
    'mixin. Instead, just use a regular object.'
  );
  var proto = Constructor.prototype;
  var autoBindPairs = proto.__reactAutoBindPairs;

  if (spec.hasOwnProperty(MIXINS_KEY)) {
    RESERVED_SPEC_KEYS.mixins(Constructor, spec.mixins);
  }

  for (var name in spec) {
    if (spec.hasOwnProperty(name)) {
      // Setup methods on prototype:
      // The following member methods should not be
      // automatically bound:
      // 1. Expected ReactClass methods (in the "interface").
      // 2. Overridden methods
      //    that were mixed in.
      var isReactClassMethod = ReactClassInterface.hasOwnProperty(name);
      var isFunction = typeof spec[name] === 'function';
      var shouldAutoBind =
        isFunction &&
        !isReactClassMethod &&
        !isAlreadyDefined &&
        spec.autobind !== false;
      if (shouldAutoBind) {
        autoBindPairs.push(name, spec[name]);
        proto[name] = spec[name] = createMergedResultFunction(proto[name], spec[name]);
      } else {
        if (isAlreadyDefined) {
          var specPolicy = ReactClassInterface[name] = null;
          if (process.env.NODE_ENV !== 'production') {
            warning(
              specPolicy === 'DEFINE_MANY_MERGED' ||
              specPolicy === 'DEFINE_MANY',    'ReactClass: Unexpected spec policy %s for key `%s` when mixing in component specs.',
              name, specPolicy
            );
          }
          // For methods which are defined more than once, call the
          // existing one before calling the new property, merging if appropriate.
        }
      }
    }
  }
}

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else if (specPolicy === 'DEFINE_MANY') {

            proto[name] = createChainedFunction(proto[name],

          } else {
            proto[name] = property;
          }
        }
      }
    }

    function mixStaticSpecIntoComponent(Constructor, statics) {
      if (!statics) {
        return;
      }

      for (var name in statics) {
        var property = statics[name];
        if (!statics.hasOwnProperty(name)) {
          continue;
        }

        var isReserved = name in RESERVED_SPEC_KEYS;
        _invariant(!isReserved,
          'ReactClass: You are attempting to define a reserved ' +
            '`%s` on your component more than once. This conflict may be ' +
            'due to a mixin; in particular, this may be caused by two ' +
            '`getInitialState()` or ' +
            'getDefaultProps()` methods returning objects with clashing keys.\n
          }, \n          key\n        );\n        one[key] = two[key];}\n        return one;\n      } else if (b == null) {
        return a;
      } else if (a == null) {
        return b;
      }
      var c = {};
      mergeIntoWithNoDuplicateKeys(c, a);
      mergeIntoWithNoDuplicateKeys(c, b);
      return c;
    };

    /**
     * Creates a function that invokes two methods and ignores
     * their return values.
     *
     * @param {function} one Method to invoke first.
     * @param {function} two Method to invoke second.
     * @return {function} Function that invokes the two argument
     * methods.
     * @private
     */
    function createChainedFunction(one, two) {
      return function chainedFunction() {
        one.apply(this, arguments);
        two.apply(this, arguments);
      };

    /**
     * Binds a method to the component.
     *
     * @param {object} component Component whose method is going to be
     * bound.
     * @param {function} method Method to bind.
     * @return {function} The bound method.
     */
    function bindAutoBindMethod(component, method) {
      var boundMethod = method.bind(component);
      if (process.env.NODE_ENV !== 'production') {
        boundMethod.__reactBoundContext = component;
        boundMethod.__reactBoundMethod = method;
        boundMethod.__reactBoundArguments = null;
      }

      return boundMethod;
    }
componentName
  );
}

var reboundMethod = _bind.apply(boundMethod, arguments);

reboundMethod._reactBoundContext = component;
reboundMethod._reactBoundMethod = method;
reboundMethod._reactBoundArguments = args;
return reboundMethod;

var reboundMethod = _bind.apply(boundMethod, arguments);

return reboundMethod;

/**
 * Binds all auto-bound methods in a component.
 * @param {object} component Component whose method is going to be bound.
 * @return {function} boundMethod
 */
function bindAutoBoundMethods(component)
{
  var pairs = component._reactAutoBoundPairs;
  for (var i = 0; i < pairs.length; i += 2) {
    var autoBindKey = pairs[i];
    var method = pairs[i + 1];
    component[autoBindKey] = bindAutoBoundMethod(component, method);
  }
}

var IsMountedPreMixin = {
  componentDidMount: function() {
    this.__isMounted = true;
  }
};

var IsMountedPostMixin = {
  componentWillUnmount: function() {
    this.__isMounted = false;
  }
};

/**
 * Add more to the ReactClass base class. These are all legacy features and
 * therefore not already part of the modern ReactComponent.
 */
var ReactClassMixin = {
  replaceState: function(newState, callback) {
    this.updater.enqueueReplaceState(this, newState, callback);
  },

  isMounted: function() {
    if (process.env.NODE_ENV !== 'production') {
      warning(
        this.__didWarnIsMounted,
        '%s: isMounted is deprecated. Instead, make sure to clean up ' +
        'subscriptions and pending requests in ' +
        'componentWillUnmount to ' +
        'prevent memory leaks.',
        (this.constructor &&
        this.constructor.displayName) ||
        this.name ||
        'Component'
      );
      this.__didWarnIsMounted = true;
    }
    return !!this.__isMounted;
  }
};

var ReactClassComponent = function() {};

_inherit(
  ReactClassComponent.prototype,
  ReactComponent.prototype,
  ReactClassMixin
);

/**
 * Creates a composite component class given a class specification.
 * See
 * https://facebook.github.io/react/docs/top-level-api.html#react.createClass
 * @param {object} spec Class specification (which must define `render`).
 * @return {function} Component constructor function.
 */
function createClass(spec) {
  // To keep our warnings more understandable, we'll use a little
  // hack here to
  // ensure that Constructor.name !== 'Constructor'. This makes sure we don't
  // unnecessarily
  // identify a class without displayName as 'Constructor'.
  var Constructor = identity(function(props, context,
    updater) {
    // This constructor gets overridden by mocks. The argument is used
    // by mocks to assert on
    // what gets mounted.
    if (process.env.NODE_ENV !== 'production') {
      // We allow auto-mocks to proceed as if they're
      // returning null.
      if (this.componentWillMount) {
        // This constructor gets overridden by mocks. The argument is used
        // by mocks to assert on
        // what gets mounted.
        if (process.env.NODE_ENV !== 'production') {
          // This is probably bad practice. Consider warning here and
          // deprecating this convenience.
          throw new Error(
            'Something is calling a React component directly. Use a factory or ' +
            'JSX instead. See: https://fb.me/react-legacyfactory'
          );
        }
      } // Wire up auto-binding
      if (this._reactAutoBindPairs.length) {
        bindAutoBoundMethods(this);
      }
    }
  });

  _assign(
    Constructor.prototype, ReactComponent.prototype, ReactClassMixin
  );

  return Constructor;
}
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```javascript
// WEBPACK FOOTER
// module id = 561

module.exports = function symbolObservablePonyfill(root) {
  var Symbol = root.Symbol;
  var isPlainObject = function isPlainObject(obj) {
    if (typeof obj != 'object' || obj === null) return false;
    var proto = obj.constructor.prototype;
    var key, hasOwnProperty = Object.prototype.hasOwnProperty;
    for (key in obj) {
      if (hasOwnProperty.call(obj, key) && key != 'constructor') return false;
    }
    return true;
  }

  return Symbol.observable || (Symbol.observable = isPlainObject); // For Node
};

```
finalReducerKeys = Object.keys(finalReducers);

var unexpectedKeyCache = void 0;

if (process.env.NODE_ENV !== 'production') {
  unexpectedKeyCache = {};
}

var shapeAssertionError = void 0;

try {
  assertReducerShape(finalReducers);
}

catch (e) {
  shapeAssertionError = e;
}

return function combination() {

  var state = arguments.length > 0 ? arguments[0] : {};

  var _key = finalReducerKeys[i];

  var reducer = finalReducers[_key];

  var previousStateForKey = state[_key];

  var nextStateForKey = reducer(previousStateForKey, action);

  if (typeof nextStateForKey === 'undefined') {
    var errorMessage = getUndefinedStateErrorMessage(_key, action);
    throw new Error(errorMessage);
  }

  state[_key] = nextStateForKey;

  hasChanged = hasChanged || nextStateForKey !== previousStateForKey;
}

return hasChanged ? nextState : state;

};

function combination() {

  var state = arguments.length > 0 ? arguments[0] : {};

  var action = arguments[1];

  if (shapeAssertionError) {
    throw shapeAssertionError;
  }

  if (process.env.NODE_ENV !== 'production') {
    var warningMessage = getUnexpectedStateShapeWarningMessage(state, finalReducers, action, unexpectedKeyCache);
    if (warningMessage) {
      warning(warningMessage);
    }
  }

  var hasChanged = false;

  var nextState = {};

  for (var _i = 0; _i < finalReducerKeys.length; _i++) {
    var _key = finalReducerKeys[_i];

    var reducer = finalReducers[_key];

    var previousStateForKey = state[_key];

    var nextStateForKey = reducer(previousStateForKey, action);

    if (typeof nextStateForKey === 'undefined') {
      var errorMessage = getUndefinedStateErrorMessage(_key, action);
      throw new Error(errorMessage);
    }

    state[_key] = nextStateForKey;

    hasChanged = hasChanged || nextStateForKey !== previousStateForKey;
  }

  return hasChanged ? nextState : state;

};

function bindActionCreators(actionCreators, dispatch) {
  if (typeof actionCreators === 'function') {
    return bindActionCreator(actionCreators, dispatch);
  }

  if (typeof actionCreators !== 'object' || actionCreators === null) {
    throw new Error('bindActionCreators expected an object or a function, instead received ' + (actionCreators === null ? 'null' : typeof actionCreators) + '. Did you write "import ActionCreators from" instead of "import * as ActionCreators from"?');
  }

  var keys = Object.keys(actionCreators);

  var boundActionCreators = {};

  for (var i = 0; i < keys.length; i++) {
    var key = keys[i];
    var actionCreator = actionCreators[key];
    if (typeof actionCreator === 'function') {
      boundActionCreators[key] = bindActionCreator(actionCreator, dispatch);
    }
  }

  return boundActionCreators;
}

var _extends = Object.assign || function (target) {

  for (var i = 1; i < arguments.length; i++) {
    var source = arguments[i];
    for (var key in source) {
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
    }
  }

  return target;
}

var importMap = Object.assign || function (target) {

  for (var i = 1; i < arguments.length; i++) {
    var source = arguments[i];
    for (var key in source) {
      if (Object.prototype.hasOwnProperty.call(source, key)) {
        target[key] = source[key];
      }
    }
  }

  return target;
}

var store = createStore(reducer, preloadedState, enhancer);

store.dispatch(MyActionCreators.doSomething());

return store.dispatch(mapStateToProps(target), context);

function mapStateToProps(target, context) {

  var _extends2 = Object.assign || function (target) {

    for (var i = 1; i < arguments.length; i++) {
      var source = arguments[i];
      for (var key in source) {
        if (Object.prototype.hasOwnProperty.call(source, key)) {
          target[key] = source[key];
        }
      }
    }

    return target;
}

var mapStateToProps = importMap(mapStateToProps, ::store);

return mapStateToProps;

function combineReducers(reducers) {

  var _extends3 = Object.assign || function (target) {

    for (var i = 1; i < arguments.length; i++) {
      var source = arguments[i];
      for (var key in source) {
        if (Object.prototype.hasOwnProperty.call(source, key)) {
          target[key] = source[key];
        }
      }
    }

    return target;
}

var combineReducers = importMap(combineReducers, ::store);

return combineReducers;

function applyMiddleware() {

  for (var _len2 = arguments.length, middlewares = Array(_len2), _key2 = 0; _key2 < _len2; _key2++) {
    middlewares[_key2] = arguments[_key2];
  }

  return function (createStore) {

    return function (reducer, preloadedState, enhancer) {

      var store = createStore(reducer, preloadedState, enhancer);

      var dispatch = store.dispatch;

      var chain = [];
stateName + ` is of unexpected type. Expected argument to be an instance of Immutable.Iterable with the following properties: `{\"property\" + reducerNames.join(``, `) + `}`, var unexpectedStatePropertyNames = state.keySeq().toArray().filter(function (name) { return !reducers.hasOwnProperty(name); });

if (unexpectedStatePropertyNames.length > 0) {
    return `Unexpected ` + (unexpectedStatePropertyNames.length === 1 ? `property \` + reducerNames + `\` found in \` + stateName + `. Unexpected properties will be ignored.`;
}

var unexpectedStatePropertyNames = state.keySeq().toArray().filter(function (name) {
    return !reducers.hasOwnProperty(name);
});

if (unexpectedStatePropertyNames.length > 0) {
    return `Unexpected ` + (unexpectedStatePropertyNames.length === 1 ? `property \` + unexpectedStatePropertyNames.join(``, `) + `\` in \` + stateName + `. Expected to find one of the known reducer property names instead: ` + reducerNames.join(``, `) + `. Unexpected properties will be ignored.`;
}

return null;
}

module.exports = exports['default'];


//////////////////
// WEBPACK FOOTER
// ./node_modules/redux-immutable/dist/utilities/getUnexpectedInvocationParameterMessage.js
// module id = 569
// module chunks = 0
"use strict";

Object.defineProperty(exports, "__esModule", {
    value: true
});

exports.default = function (nextState, reducerName, action) {
    // eslint-disable-next-line no-undefined
    if (nextState === undefined) {
        throw new Error(`Reducer \` + reducerName + `\` returned undefined when handling \` + action.type + ` action. To ignore an action, you must explicitly return the previous state.`);
    }

    return null;
};

module.exports = exports['default'];


//////////////////
// WEBPACK FOOTER
// ./node_modules/redux-immutable/dist/utilities/validateNextState.js
// module id = 570
// module chunks = 0

require('../modules/web.dom.iterable');
require('../modules/es6.string.iterator');
module.exports = require('../modules/core.is-iterable');


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/fn/is-iterable.js
// module id = 571
// module chunks = 0

var classof = require('./_classof');
var ITERATOR = require('./_wks')('iterator');
var Iterators = require('./_iterators');
module.exports = require('./_core').isIterable = function (it) {
    var O = Object(it);
    return O[ITERATOR] !== undefined
    || O[\'@@iterator\'] !== undefined
    || Iterators.hasOwnProperty(classof(O));
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/@braintree/sanitize-url/index.js
// module id = 574
// module chunks = 0

var capitalize = require('./capitalize'),
    createCompounder = require('./_createCompounder');

/**
 * Converts `string` to [camel case](https://en.wikipedia.org/wiki/CamelCase).
 * 
 * @static
 * @memberOf _
 * @since 3.0.0
 * @category String
 * @param {string} [string=''] The string to capitalize.
 * @returns {string} Returns the capitalized string.
 * @example
 *
 * _.capitalize('FRED');
 * // => 'Fred'
 */
function capitalize(string) {
    return upperFirst(toString(string).toLowerCase());
}

module.exports = capitalize;


.............
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Open Source Used In SDWan 20.4.1 6977
@returns {Object} Returns the hash instance.

```javascript
function hashSet(key, value) {
  var data = this.__data__;
  this.size += this.has(key) ? 0 : 1;
  data[key] = (nativeCreate && value === undefined) ? HASH_UNDEFINED :
    value;
  return this;
}

module.exports = hashSet;
```

---

```javascript
function listCacheClear() {
  this.__data__ = [];
  this.size = 0;
}

module.exports = listCacheClear;
```

---

```javascript
function listCacheDelete(key) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    return false;
  }
  var lastIndex = data.length - 1;
  if (index == lastIndex) {
    data.pop();
  } else {
    splice.call(data, index, 1);
  }
  --this.size;
  return true;
}

module.exports = listCacheDelete;
```

---

```javascript
function listCacheGet(key) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  return index < 0 ? undefined : data[index][1];
}

module.exports = listCacheGet;
```

---

```javascript
function listCacheHas(key) {
  return assocIndexOf(this.__data__, key) > -1;
}

module.exports = listCacheHas;
```

---

```javascript
function listCacheSet(key, value) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    ++this.size;
    data.push([key, value]);
  } else {
    data[index][1] = value;
  }
  return this;
}

module.exports = listCacheSet;
```

---

```javascript
function mapCacheDelete(key) {
  var result = getMapData(this, key)['delete'](key);
  this.size -= result ? 1 : 0;
  return result;
}

module.exports = mapCacheDelete;
```

---

```javascript
function isKeyable(value) {
  var type = typeof value;
  return (type == 'string' || type == 'number' || type == 'symbol' || type == 'boolean')
    ? (value !== '__proto__')
    : (value === null);
}

module.exports = isKeyable;
```

---

```javascript
function mapCacheGet(key) {
  return getMapData(this, key).get(key);
}

module.exports = mapCacheGet;
```

---

```javascript
function mapCacheHas(key) {
  return getMapData(this, key)['has'](key);
}

module.exports = mapCacheHas;
```

---

```javascript
function mapCacheSet(key, value) {
  var data = this.__data__,
      index = assocIndexOf(data, key);

  if (index < 0) {
    ++this.size;
    data.set(key, value);
  } else {
    data.set(key, value);
  }
  return this;
}

module.exports = mapCacheSet;
```

---

```javascript
function assocIndexOf(object, key) {
  var list = object.__data__;
  return list ? list[mapIndex(key)] : -1;
}

module.exports = assocIndexOf;
```

---

```javascript
function mapIndex(key) {
  return (key != '__proto__')
    ? (key && key[MAP_INDEX])
    : (key == object ? 0 : (number + key) % object.size);
}

module.exports = mapIndex;
```
value for 'key' exists.

```javascript
function mapCacheHas(key) {
  return getMapData(this, key).has(key);
}
```

```javascript
module.exports = mapCacheHas;
```

---

```javascript
function mapCacheSet(key, value) {
  var data = getMapData(this, key),
      size = data.size;

  data.set(key, value);
  this.size += data.size == size ? 0 : 1;
  return this;
}
```

```javascript
module.exports = mapCacheSet;
```

---

```javascript
function createFind(findIndexFunc) {
  return function(collection, predicate, fromIndex) {
    var iterable = Object(collection);
    if (!isArrayLike(collection)) {
      var iteratee = baseIteratee(predicate, 3);
      collection = keys(collection);
      predicate = function(key) { return iteratee(iterable[key], key, iterable); };
    }
    var index = findIndexFunc(collection, predicate, fromIndex);
    return index > -1 ? iterable[index] : undefined;
  };
}
```

```javascript
module.exports = createFind;
```

---

```javascript
function baseIsMatch(object, source, matchData, customizer) {
  var index = matchData.length,
      length = index,
      noCustomizer = !customizer;

  if (object == null) {
    return !length;
  }
  object = Object(object);
  while (index--) {
    var data = matchData[index];
    if ((noCustomizer && data[2])
          ? data[1] !== object[data[0]]
          : !(data[0] in object)) {
      return false;
    }
  }
  while (++index < length) {
    data = matchData[index];
    var key = data[0],
        srcValue = data[1];

    if (noCustomizer && data[2]) {
      if (object[key] === undefined
            ? baseIsEqual(srcValue, object[key], COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG, customizer, stack)
            : !data[2]) {
        return false;
      }
    } else {
      var stack = new Stack;
      if (customizer) {
        var result = customizer(object[key], srcValue, key, object, source, stack);
      }
      if (!result !== undefined
            ? baseIsEqual(srcValue, objectValue, COMPARE_PARTIAL_FLAG | COMPARE_UNORDERED_FLAG, customizer, stack)
            : result !== undefined
            ? !data[2]) {
        return false;
      }
    }
  }
  return true;
}
```

```javascript
module.exports = baseIsMatch;
```

---

```javascript
function stackClear() {
  this.__data__ = new ListCache;
  this.size = 0;
}
```

```javascript
module.exports = stackClear;
```
othUnwrapped = othIsWrapped ? other.value() : other;

stack || (stack = new Stack);

return equalFunc(objUnwrapped, othUnwrapped, bitmask, customizer, stack);

var MapCache = require("/_MapCache");

function SetCache(values) {
  var index = -1,
      length = values == null ? 0 : values.length;

  this.__data__ = new MapCache;
  while (++index < length)
    this.add(values[index]);
}

module.exports = SetCache;

/**
 * Adds `value` to the array cache.
 *
 * @private
 * @name add
 * @memberOf SetCache
 * @param {*} value The value to cache.
 * @returns {Object} Returns the cache instance.
 */
function setCacheAdd(value) {
  this.__data__.set(value, HASH_UNDEFINED);
  return this;
}

module.exports = setCacheAdd;

/**
 * Checks if `value` is in the array cache.
 *
 * @private
 * @name has
 * @memberOf SetCache
 * @param {*} value The value to search for.
 * @returns {number} Returns `true` if `value` is found, else `false`.
 */
function setCacheHas(value) {
  return this.__data__.has(value);
}

module.exports = setCacheHas;

/**
 * Checks if a `cache` value for `key` exists.
 *
 * @private
 * @param {Object} cache The cache to query.
 * @param {string} key The key of the entry to check.
 * @returns {boolean} Returns `true` if an entry for `key` exists, else `false`.
 */
function cacheHas(cache, key) {
  return cache.has(key);
}

module.exports = cacheHas;

var Symbol = require('./_Symbol'),
    Uint8Array = require('./_Uint8Array'),
    eq = require('./eq'),
    equalArrays = require('./_equalArrays'),
    mapToArray = require('./_mapToArray'),
    setToArray = require('./_setToArray');

/** Used to compose bitmasks for value comparisons. */
var COMPARE_PARTIAL_FLAG = 1,
    COMPARE_UNORDERED_FLAG = 2,
    COMPARE_PARTIAL_UNORDERED_FLAG = 3;

/** 
 * A specialized version of `baseIsEqualDeep` for comparing objects of
 * the same `toStringTag`. 
 *
 * **Note:** This function only supports comparing values with tags of
 * `Boolean`, `Date`, `Error`, `Number`, `RegExp`, or `String`
 * `toStringTag. 
 *
 * @private
 * @param {Object} object The object to compare.
 * @param {Object} other The other object to compare.
 * @param {Function} customizer The function to customize comparisons.
 * @param {Function} equalFunc The function to determine equivalents of values.
 * @param {number} bitmask The bitmask flags.
 * @returns {boolean} Returns `true` if the objects are equivalent, else `false`.
 */
function baseIsEqualTag(object, other, bitmask, customizer, equalFunc, stack)
}
and dates to milliseconds. Invalid dates are coerced to `NaN`. return eq(+object, +other); case errorTag: return object.name == other.name && object.message == other.message; case stringTag: // Coerce regexes to strings and treat strings, primitives and objects, // as equal. See http://www.ecma-international.org/ecma-262/7.0/#sec-regexp.prototype.toString for more details. var object = (other + ""); var other = object; var eq = +object == +other; return eq; case objectTag: if (isPartial) { return false; } var result = equalArrays(convert(object), convert(other), bitmask, COMPARE_PARTIAL_FLAG); if (result) { return object; } return object; case arrayTag: return result; case mapTag: var convert = mapToArray; var result = Array(map.size); map.forEach(convert, function(value, key) { result[key] = value; }); return result; case setTag: var isPartial = bitmask & COMPARE_PARTIAL_FLAG; var stack = get(object); var result = setToArray(convert(object), convert(other), bitmask, COMPARE_PARTIAL_FLAG); var return result; case regexpTag: return stack.get(object); if (stack) { return stack == other; } bitmask |= COMPARE_UNORDERED_FLAG; // Recursively compare objects (susceptible to call stack limits). var stack.set(object, other); var result = equalArrays(convert(object), convert(other), bitmask, COMPARE_PARTIAL_FLAG); if (result) { return object; } return false; } var module.exports = equalByTag; module.exports;
```javascript
result = false;

stack['delete'](object);
stack['delete'](other);
return result;

module.exports = equalObjects;

function arrayFilter(array, predicate) {
  var index = -1,
      length = array == null ? 0 : array.length,
      resIndex = 0,
      result = [];

  while (++index < length) {
    var value = array[index];
    if (predicate(value, index, array)) {
      result[resIndex++] = value;
    }
  }
  return result;

module.exports = arrayFilter;

function baseTimes(n, iteratee) {
  var index = -1,
      result = Array(n);

  while (++index < n) {
    result[index] = iteratee(index);
  }
  return result;
}

module.exports = baseTimes;

function baseGetTag(value) {
  return isObjectLike(value) &&
    isLength(value.length) &&
    !!typedArrayTags[baseGetTag(value)];
}

module.exports = baseGetTag;

function stubFalse() {
  return false;
}

module.exports = stubFalse;

var typedArrayTags = {
  float32Tag: true,
  float64Tag: true,
  int8Tag: true,
  int16Tag: true,
  int32Tag: true,
  uint8Tag: true,
  uint8ClampedTag: true,
  uint16Tag: true,
  uint32Tag: true,
}

function isTypedArray(value) {
  return isObjectLike(value) &&
    isLength(value.length) &&
    !!typedArrayTags[value];
}

module.exports = isTypedArray;
```

Math.max;\n\n/**
 * This method is like `_find` except that it returns the index of the first\n * element `predicate` returns truthy for instead of the element itself.\n * @static\n * @param {Array} array The array to inspect.\n * @param {Function} [predicate=_.identity] The function invoked per iteration.\n * @returns {number} Returns the index of the found element, else `-1`.\n */
function findIndex(array, predicate, fromIndex) {
  var length = array == null ? 0 :
    array.length;
  if (!length) {
    return -1;
  }
  var index = fromIndex == null ? 0 :
    toInteger(fromIndex);
  if (index < 0) {
    index = nativeMax(length + index, 0);
  }
  return baseFindIndex(array, baseIteratee(predicate, 3),
    index);
}

module.exports = findIndex;


\n
var toNumber = require('./toNumber');

/**
 * Converts `value` to a finite number.
 *
 * @static
 * @memberOf _
 * @since 4.12.0
 * @category Lang
 * @param {*} value The value to convert.
 * @returns {number} Returns the converted number.
 * @example
 *
 * _.toFinite(3.2);
 * // => 3.2
 *
 * _.toFinite(Number.MIN_VALUE);
 * // => 5e-324
 *
 * _.toFinite(Infinity);
 * // => 1.7976931348623157e+308
 *
 * _.toFinite('3.2');
 * // => 3.2
 */
function toFinite(value) {
  if (!value) {
    return value === 0 ? value : 0;
  }
  value = toNumber(value);
  if (value === INFINITY || value === -INFINITY) {
    var sign = (value < 0 ? -1 : 1);
    return sign * MAX_INTEGER;
  }
  return value === value ?
    value : 0;
}

module.exports = toFinite;


\n
\n
\n
function some(collection, predicate, guard) {
  var func = isArray(collection) ? arraySome : baseSome;
  if (guard && isIterateeCall(collection, predicate, guard)) {
    predicate = undefined;
  }
  return func(collection, baseIteratee(predicate, 3));
}

module.exports = some;


\n
\n
without support for iteratee shorthands.

```javascript
\* \n
@private
* @param {Array|Object} collection The collection to iterate over.
* @param {Function} predicate The function invoked per iteration.
* @returns {boolean} Returns `true` if any element passes the predicate check, else `false`.
```
function escapeForXML(string) {
    return string.replace(/\&quot;|\&apos;|\&lt;|\&gt;/g, function(str, item) { return XML_CHARACTER_MAP[item] });
}

function escapeForXML(string) {
    return string.replace(/\&quot;|\&apos;|\&lt;|\&gt;/g, function(str, item) { return XML_CHARACTER_MAP[item] });
}

function escapeForXML(string) {
    return string.replace(/\&quot;|\&apos;|\&lt;|\&gt;/g, function(str, item) { return XML_CHARACTER_MAP[item] });
}

module.exports = escapeForXML;


//////////////////
// WEBPACK FOOTER
// module id = 660
// module chunks = 0

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// OR OTHER DEALINGS IN THE SOFTWARE.

module.exports = Stream;

var EE = require('events').EventEmitter;
var inherits = require('inherits');

inherits(Stream, EE);
Stream.Readable = require('readable-stream/readable.js');
Stream.Writable = require('readable-stream/writable.js');
Stream.Duplex = require('readable-stream/duplex.js');
Stream.Transform = require('readable-stream/transform.js');
Stream.PassThrough = require('readable-stream/passthrough.js');

// Backwards-compat

function Stream() {
  EE.call(this);
}

Stream.prototype.pipe = function(dest, options) {
  var source = this;

  function ondata(chunk) {
    if (dest.writable) {
      if (false === dest.write(chunk) && source.pause) {
        source.pause();
      }
    }
  }

  source.on('data', ondata);

  function ondrain() {
    if (source.readable && source.resume) {
      source.resume();
    }
  }

  dest.on('drain', ondrain);

  // If the 'end' option is not supplied, dest end() will be called
  // when source gets the 'end' or 'close' events. Only dest end() once.
  if (!dest._isStdio && (!options || options.end !== false)) {
    source.on('end', onend);
    source.on('close', onclose);
  }

  var didOnEnd = false;
  function onend() {
    if (didOnEnd) return;
    didOnEnd = true;

    dest.end();
  }

  function onclose() {
    if (didOnEnd) return;
    didOnEnd = true;

    if (typeof dest.destroy === 'function') dest.destroy();
  }

  source.on('error', onerror);
  dest.on('error', onerror);

  source.on('end', cleanup);
  source.on('close', cleanup);

  function cleanup() {
    var didOnEnd = false;
    function onend() {
      if (didOnEnd) return;
      didOnEnd = true;
    }
  }

  // allow for unix-like usage: A.pipe(B).pipe(C)
  A.pipe(B.pipe(C));

  function copyBuffer(src, target, offset) {
    src.copy(target, offset);
  }

  module.exports = function () {
    function BufferList() {
      var BufferList = function () {
        this.head = null;
        this.tail = null;
        this.length = 0;
      }
    }
    var BufferList.prototype = function () {
      var BufferList = function () {
        this.head = null;
        this.tail = null;
        this.length = 0;
      }
    }
    var BufferList.prototype = function unshift() {
      var BufferList = function () {
        this.head = null;
        this.tail = null;
        this.length = 0;
      }
    }
    var BufferList = function () {
      this.head = null;
      this.tail = null;
      this.length = 0;
    }
    BufferList.prototype = function push() {
      var BufferList = function () {
        this.head = null;
        this.tail = null;
        this.length = 0;
      }
    }
    BufferList.prototype = function unshift() {
      var BufferList = function () {
        this.head = null;
        this.tail = null;
        this.length = 0;
      }
    }
  }

  //...
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```javascript
function registerImmediate(handle) {
    global.addEventListener("message", onGlobalMessage, false);
}

function runIfPresent(handle) {
    var p = this.head;
    var r = "+" + p.data + " while (p = p.next) {
        if (global.postMessage && !global.importScripts) {
            var task = { callback: callback, args: args };
            tasksByHandle[+nextHandle] = task;
            currentlyRunningATask = true;
            try {
                run(task);
            } finally {
                delete tasksByHandle[+nextHandle];
            }
        };

        if (typeof callback !== "function") {
            throw new global.setImmediateError("function required");
        }

        if (callback.length < 0) {
            throw new global.setImmediateError("callback.length must be at least 0");
        }

        callback = new Function("" + callback);
    }
}

function setImmediate(callback) {
    return this.constructor.name + " " + obj;
}

module.exports.prototype[util.inspect.custom] = function () {
    var obj = util.inspect({ length: this.length });
    return obj;
}

```

---
The provided text appears to be a snippet of code, possibly related to event handling in a web environment, involving `setImmediate`, `postMessage`, and related functions. This code is likely part of a larger application or library that handles asynchronous operations and communication between different parts of a program.

The script includes functions for registering immediate tasks, running such tasks, and clearing them. It also demonstrates how to use `setImmediate` and `postMessage` for handling asynchronous tasks and communication between different processes.

This code snippet is part of the `readable-stream` module, which is used for handling streams of data in JavaScript applications. The `BufferList` class is also shown, which is used for managing a list of buffers, possibly for network communication or data handling.

The code is written in JavaScript and is designed to be used in a Node.js environment, given the `Global` object and the use of `setImmediate`, `postMessage`, and `addEventListener` for managing events and messages.
installMessageChannelImplementation() {

        var channel = new MessageChannel();

        channel.port1.onmessage = function(event) {
            var handle = event.data;
            runIfPresent(handle);
        };

        installReadyStateChangeImplementation() {
            var html = doc.documentElement;

            registerImmediate = function(handle) {
                // Create a <script> element; its readystatechange event will be fired asynchronously once it is inserted
                // into the document. Do so, thus queuing up the task. Remember to clean up once it's been called.
                var script = doc.createElement("script");

                // For Node.js before 0.9
                installNextTickImplementation();

                // For non-IIE10 modern browsers
                installPostMessageImplementation();

                // For web workers, where supported
                installMessageChannelImplementation();

                // For IE 6–8
                installReadyStateChangeImplementation();

                // For older browsers
                installSetTimeoutImplementation();

                attachTo = Object.getPrototypeOf(Object);
                attachTo = attachTo && attachTo.setTimeout ? attachTo : global;

                // Don't get fooled by e.g. browserify environments.
                if ({}.toString.call(global.process) === "[object process]") {
                    // For Node.js
                } else if (canUsePostMessage()) {
                    // For modern browsers
                } else if (doc && "onreadystatechange" in doc.createElement("script")) {
                    // For IE 6–8
                } else {
                    // For older browsers
                }
            }

            // If supported, we should attach to the prototype of global, since that is where setTimeout et al. live.
            var attachTo = Object.getPrototypeOf(Object);

            // Don't
            if ({}.toString.call(global.process) === "[object process]") {
                // For Node.js before 0.9
                installNextTickImplementation();

                // For non-IIE10 modern browsers
                installPostMessageImplementation();

                // For web workers, where supported
                installMessageChannelImplementation();

                // For IE 6–8
                installReadyStateChangeImplementation();

                // For older browsers
                installSetTimeoutImplementation();

                attachTo = Object.getPrototypeOf(Object);
                attachTo = attachTo && attachTo.setTimeout ? attachTo : global;

                // Don't
                if ({}.toString.call(global.process) === "[object process]") {
                    // For Node.js before 0.9
                } else if (canUsePostMessage()) {
                    // For modern browsers
                } else if (doc && "onreadystatechange" in doc.createElement("script")) {
                    // For IE 6–8
                } else {
                    // For older browsers
                }
            }

            attachTo.setImmediate = setImmediate;
            attachTo.clearImmediate = clearImmediate;
        };
    }

    // If supported, we should attach to the prototype of global, since that is where setTimeout et al. live.
    var attachTo = Object.getPrototypeOf(Object);

    // Don't
    if ({}.toString.call(global.process) === "[object process]") {
        // For Node.js before 0.9
        installNextTickImplementation();

        // For non-IIE10 modern browsers
        installPostMessageImplementation();

        // For web workers, where supported
        installMessageChannelImplementation();

        // For IE 6–8
        installReadyStateChangeImplementation();

        // For older browsers
        installSetTimeoutImplementation();

        attachTo = Object.getPrototypeOf(Object);
        attachTo = attachTo && attachTo.setTimeout ? attachTo : global;

        // Don't
        if ({}.toString.call(global.process) === "[object process]") {
            // For Node.js before 0.9
        } else if (canUsePostMessage()) {
            // For modern browsers
        } else if (doc && "onreadystatechange" in doc.createElement("script")) {
            // For IE 6–8
        } else {
            // For older browsers
        }
    }

    attachTo.setImmediate = setImmediate;
    attachTo.clearImmediate = clearImmediate;
}(typeof self === "undefined" ? typeof global === "undefined" ? this : global : self));
DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR\n OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE\n USE OR OTHER DEALINGS IN THE SOFTWARE.\n
// Every written chunk gets output as-is.\n'use strict';\n
module.exports = PassThrough;\n
var Transform = require('_stream_transform');\nmodule.exports = Transform;\n
function PassThrough(options) {\n  if (typeof options === 'function') {\n    Transform.call(this, options);\n  } else {\n    Transform.call(this, options);\n  }\n  this._transform = function(chunk, encoding, cb) {\n    cb(null, chunk);\n  }\n}\n
// a passthrough stream.\nbasicly just the most minimal sort\n// of Transform stream.\n// Every written chunk gets output as-is.\n
util.inherits = require('inherits');\nutil.inherits(PassThrough, Transform);\n
function normalizeOpts(options) {\n  return normalizeOptions.apply(null, arguments);\n}\n
normalizeOptions = require('normalize-options');\n
// WEBPACK FOOTER
// ./node_modules/readable-stream/passthrough.js
// module id = 667
// module chunks = 0

function sign(value) {\n  return Math.sign(value) \n    || Math.sign(Number(value));\n}\n
// WEBPACK FOOTER
// ./node_modules/memoizee/index.js
// module id = 672
// module chunks = 0
function\n\tif (hasOwnProperty.call(fn, \"__memoized__\") && !options.force) return fn;\n\n\t// Resolve
length;\n\tlength = resolveLength(options.length, fn.length, options.async && extensions.async);\n\n\t// Configure
cache map\n\tconf = configure(fn, length, options);\n\n\t// Bind eventual extensions\n\tforEach(extensions, function
(extFn, name) {\n\t\tif (options[name]) extFn(options[name], conf, options);\n\t});\n\n\tif (self.__profiler__)
self.__profiler__(conf);\n\n\tconf.updateEnv();\n\treturn conf.memoized;\n};\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/memoizee/plain.js\n// module id = 677\n// module chunks = 0","// Internal method,
used by iteration functions.\n// Calls a function for each key-value pair found in object\n// Optionally takes
compareFn to iterate object in specific order\n\n\"use strict\";\n\nvar callable
= require(\"./validcallable\")\n , value
= require(\"./valid-value\")\n , bind
= Function.prototype.bind\n , call
= Function.prototype.call\n , keys
= Object.keys\n , objPropertyIsEnumerable =
Object.prototype.propertyIsEnumerable;\n\nmodule.exports = function (method, defVal) {\n\treturn function (obj,
cb /*, thisArg, compareFn*/) {\n\t\tvar list, thisArg = arguments[2], compareFn = arguments[3];\n\t\tobj =
Object(value(obj));\n\t\tcallable(cb);\n\n\t\tlist = keys(obj);\n\t\tif (compareFn) {\n\t\t\tlist.sort(typeof compareFn
=== \"function\" ? bind.call(compareFn, obj) : undefined);\n\t\t}\n\t\tif (typeof method !== \"function\") method =
list[method];\n\t\treturn call.call(method, list, function (key, index) {\n\t\t\tif (!objPropertyIsEnumerable.call(obj,
key)) return defVal;\n\t\t\treturn call.call(cb, thisArg, obj[key], key, obj,
index);\n\t\t});\n\t};\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/es5ext/object/_iterate.js\n// module id = 678\n// module chunks = 0","/* eslint no-eq-null: 0, eqeqeq: 0, no-unused-vars:
0 */\n\n\"use strict\";\n\nvar customError = require(\"es5-ext/error/custom\")\n , defineLength = require(\"es5ext/function/_define-length\")\n , d
= require(\"d\")\n , ee
= require(\"event-emitter\").methods\n
, resolveResolve = require(\"./resolve-resolve\")\n , resolveNormalize = require(\"./resolve-normalize\");\n\nvar
apply = Function.prototype.apply\n , call = Function.prototype.call\n , create = Object.create\n , defineProperties =
Object.defineProperties\n , on = ee.on\n , emit = ee.emit;\n\nmodule.exports = function (original, length, options)
{\n\tvar cache = create(null)\n\t , conf\n\t , memLength\n\t , get\n\t , set\n\t , del\n\t , clear\n\t , extDel\n\t ,
extGet\n\t , extHas\n\t , normalizer\n\t , getListeners\n\t , setListeners\n\t , deleteListeners\n\t , memoized\n\t ,
resolve;\n\tif (length !== false) memLength = length;\n\telse if (isNaN(original.length)) memLength = 1;\n\telse
memLength = original.length;\n\n\tif (options.normalizer) {\n\t\tnormalizer =
resolveNormalize(options.normalizer);\n\t\tget = normalizer.get;\n\t\tset = normalizer.set;\n\t\tdel =
normalizer.delete;\n\t\tclear = normalizer.clear;\n\t}\n\tif (options.resolvers != null) resolve =
resolveResolve(options.resolvers);\n\n\tif (get) {\n\t\tmemoized = defineLength(function (arg) {\n\t\t\tvar id, result,
args = arguments;\n\t\t\tif (resolve) args = resolve(args);\n\t\t\tid = get(args);\n\t\t\tif (id !== null) {\n\t\t\t\tif
(hasOwnProperty.call(cache, id)) {\n\t\t\t\t\tif (getListeners) conf.emit(\"get\", id, args, this);\n\t\t\t\t\treturn
cache[id];\n\t\t\t\t}\n\t\t\t}\n\t\t\tif (args.length === 1) result = call.call(original, this, args[0]);\n\t\t\telse result =
apply.call(original, this, args);\n\t\t\tif (id === null) {\n\t\t\t\tid = get(args);\n\t\t\t\tif (id !== null) throw
customError(\"Circular invocation\", \"CIRCULAR_INVOCATION\");\n\t\t\t\tid = set(args);\n\t\t\t} else if
(hasOwnProperty.call(cache, id)) {\n\t\t\t\tthrow customError(\"Circular invocation\",
\"CIRCULAR_INVOCATION\");\n\t\t\t}\n\t\t\tcache[id] = result;\n\t\t\tif (setListeners) conf.emit(\"set\", id, null,
result);\n\t\t\treturn result;\n\t\t}, memLength);\n\t} else if (length === 0) {\n\t\tmemoized = function () {\n\t\t\tvar
result;\n\t\t\tif (hasOwnProperty.call(cache, \"data\")) {\n\t\t\t\tif (getListeners) conf.emit(\"get\", \"data\",
arguments, this);\n\t\t\t\treturn cache.data;\n\t\t\t}\n\t\t\tif (arguments.length) result = apply.call(original, this,
arguments);\n\t\t\telse result = call.call(original, this);\n\t\t\tif (hasOwnProperty.call(cache, \"data\")) {\n\t\t\t\tthrow
customError(\"Circular invocation\", \"CIRCULAR_INVOCATION\");\n\t\t\t}\n\t\t\tcache.data = result;\n\t\t\tif
(setListeners) conf.emit(\"set\", \"data\", null, result);\n\t\t\treturn result;\n\t\t};\n\t} else {\n\t\tmemoized = function
(arg) {\n\t\t\tvar result, args = arguments, id;\n\t\t\tif (resolve) args = resolve(arguments);\n\t\t\tid =
String(args[0]);\n\t\t\tif (hasOwnProperty.call(cache, id)) {\n\t\t\t\tif (getListeners) conf.emit(\"get\", id, args,
this);\n\t\t\t\treturn cache[id];\n\t\t\t}\n\t\t\tif (args.length === 1) result = call.call(original, this, args[0]);\n\t\t\telse
result = apply.call(original, this, args);\n\t\t\tif (hasOwnProperty.call(cache, id)) {\n\t\t\t\tthrow
customError(\"Circular invocation\", \"CIRCULAR_INVOCATION\");\n\t\t\t}\n\t\t\tcache[id] = result;\n\t\t\tif

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Variables:

- `original`
- `memoized`
- `profileName`
- `get`
- `has`
- `delete`
- `clear`
- `on`
- `emit`
- `updateEnv`

Functions:

- `defineProperties`
- `require`
- `Object.assign`
- `Object.keys`
- `Object.values`
- `Object.defineProperty`
- `Error.captureStackTrace`


```

module.exports = require('./is-implemented')() ? Symbol : require('es6-symbol').Symbol;
```


Object.defineProperty, defineProperty = Object.defineProperty, objPrototype = Object.prototype,
NativeSymbol, SymbolPolyfill, HiddenSymbol, globalSymbols = create(null) , isNativeSafe
(typeof Symbol === 'function') { NativeSymbol = Symbol; try { String(NativeSymbol()); } catch (ignore) { } } var generateName = (function () { var created = create(null); var return function (desc) { var name = '@@' + desc; var defineProperty(objPrototype, name, d.gs(null, function (value) { return true; })); } }); NativeSymbol = Symbol; try { String(NativeSymbol()); } catch (ignore) { } } var generateName = (function () { var created = create(null); return function (desc) { var name = '@@' + desc; var defineProperty(objPrototype, name, d.gs(null, function (value) { return true; })); } });

if (typeof Symbol === 'function') {
  NativeSymbol = Symbol;
  try {
    String(NativeSymbol());
    isNativeSafe = true;
  } catch (ignore) {}
}

var generateName = (function () {
  var created = create(null);
  return function (desc) {
    var postfix = 0, name, ie11BugWorkaround;
    while (created[desc + (postfix || '')]) ++postfix;
    created[desc] = true;
    return '@@' + desc; var defineProperty(objPrototype, name, d.gs(null, function (value) { return true; }));
  }
}

// Internal constructor (not one exposed) for creating Symbol
HiddenSymbol = function Symbol(description) {
  if (this instanceof HiddenSymbol) throw new TypeError('Symbol is not a constructor');
  return SymbolPolyfill(description);
};

// Exposed `Symbol` constructor
// (returns instances of HiddenSymbol) module.exports = SymbolPolyfill = function Symbol(description) {
  if (this instanceof Symbol) throw new TypeError('Symbol is not a constructor');
  if (isNativeSafe) return NativeSymbol(description);
  var symbol = create(HiddenSymbol.prototype);
  description = (description === undefined ? '' : String(description));
  defineProperties(symbol, { __description__: d('', description), __name__: d('', generateName(description)) });
  defineProperties(SymbolPolyfill, { for: d(function (key) { return globalSymbols[key] || SymbolPolyfill(String(key)); }), keyFor: d(function (s) { return globalSymbols[SymbolPolyfill('hasInstance')]; }), hasInstance: d('', (NativeSymbol && NativeSymbol.hasInstance) || SymbolPolyfill('hasInstance')) });
  defineProperties(SymbolPolyfill.prototype, { toString: d('', function () { return this.__name__; }) });
};
```javascript
const base = require('base'),
    currentCallback = null,
    currentContext = null,
    currentArgs = null;

// Initial
conf.memoized = defineLength(function (arg) {
  var args = arguments, last = args[args.length - 1];
  if (typeof last !== 'function') {
    throw new TypeError('Last argument must be a function');
  }
  currentCallback = last;
  args = slice.call(args, 0, -1);
  return base.apply(currentContext = this, currentArgs = args);
}, base);

try {
  mixin(conf.memoized, base);
} catch (ignore) {
}

// From cache (sync)
conf.on('get', function (id) {
  var cb, context, args;
  if (!currentCallback) return;

  // Unresolved
  if (waiting[id]) {
    if (typeof waiting[id] === 'function') waiting[id] = [waiting[id], currentCallback];
    else waiting[id].push(currentCallback);
    currentCallback = null;
    return;
  }

  // Resolved, assure next tick invocation
  cb = currentCallback;
  context = currentContext;
  args = currentArgs;
  currentCallback = currentContext = currentArgs = null;
  nextTick(function () {
    var data;
    if (hasOwnProperty.call(cache, id)) {
      data = cache[id];
      conf.emit('getasync', id, args, context);
      apply.call(cb, data.context, data.args);
    } else {
      // Purged in a meantime, we shouldn't rely on cached value, recall
      cb = currentCallback = currentContext = currentArgs = null;
      call(id)(cb);
    }
  });
});

// Not from cache
conf.original = function () {
  var args, cb, origCb, result;
  if (!currentCallback) return apply.call(original, this, arguments);
  args = aFrom(arguments);
  cb = function self(err) {
    var cb, args, id = self.id;
    if (id == null) {
      // Shouldn't happen, means async callback was called
      // sync way
      nextTick(apply.bind(self, this, arguments));
      return undefined;
    }
    delete self.id;
    cb = waiting[id];
    delete waiting[id];
    if (!cb) {
      // Already processed, outcome of race condition:
      // asyncFn(1, cb), asyncFn.clear(), asyncFn(1, cb)
      return undefined;
    }
    args = aFrom(arguments);
    if (conf.has(id)) {
      if (err) {
        conf.delete(id);
      } else {
        cache[id] = { context: this, args: args);
        conf.emit('setasync', id, typeof cb === 'function' ? 1 : cb.length);
      }
    }
    if (typeof cb === 'function') {
      result = apply.call(cb, this, args);
    } else {
      cb.forEach(function (cb) {
        result = apply.call(cb, this, args);
      }, this);
    }
    return result;
  }; 
  origCb = currentCallback;
  currentCallback = currentContext = currentArgs = null;
  args.push(cb);
  result = apply.call(original, this, args);
  cb.cb = origCb;
  currentCallback = cb;
  return result;
};

// After not from cache call
conf.on('set', function (id) {
  if (!currentCallback) return;
  if (waiting[id]) {
    // Race condition: asyncFn(1, cb), asyncFn.clear(), asyncFn(1, cb)
    return undefined;
  }
  delete currentCallback.cb;
  currentCallback.id = id;
  currentCallback = null;
});

// On delete
conf.on('delete', function (id) {
  var result;
  // If false, we don't have value yet, so we assume that intention is not to
  // memoize this call. After value is obtained we don't cache it but
  // gracefully pass to callback without (hasOwnProperty.call(waiting, id)) return (cache[id].return = result;
  cache[id] = undefined;
  delete cache[id];
  conf.emit('deleteasync', id, slice.call(result.args, 1));
});

// On clear
conf.on('clear', function () {
  var oldCache = cache, newCache = create(null);
  conf.emit('clearasync', null);
  conf.objectMap(oldCache, function (data) {
    conf.objectMap(data, function (val, key) {
      newCache[key] = val;
    });
  });
  cache = newCache;
  conf.emit('clearasync', null);
  conf.objectMap(cache, function (val, key) {
    newCache[key] = val;
  });
  cache = newCache;
  conf.emit('clearasync', null);
});
```

```
"use strict";

const objectMap     = require('es5-ext/object/map')
  , primitiveSet  = require('es5-ext/object/primitive-set')
  , ensureString  = require('es5-ext/object/validate-stringifiable-value')
  , toShortString = require('es5-ext/to-short-string-representation')
  , isPromise     = require('is-promise')
  , nextTick      = require('next-tick');

const create = Object.create
  , supportedModes = primitiveSet("then", "then:finally", "done", "done:finally");

require("../lib/registered-extensions").promise = function (mode, conf) {
  var waiting = create(null), cache = create(null), promises = create(null);

  if (mode === true) {
    mode = null;
  } else {
    mode = ensureString(mode);
    if (!supportedModes[mode]) {
      throw new TypeError("'" + toShortString(mode) + "' is not valid promise mode");
    }
  }

  // After not from cache call
  conf.on('set', function (id, ignore, promise) {
    var
```
isFailed = false; 

		if (!isPromise(promise)) {
			// Non promise result
			cache[id] = promise;
			conf.emit("setasync", id, 1);
			return;
		}
		waiting[id] = 1;
		promises[id] = promise;
		onSuccess = function (result) {
			var count = waiting[id];
			if (isFailed) {
				throw new Error("Memoizee error: Detected unordered then|done & finally resolution, which in turn makes proper detection of success/failure impossible (when in 'done:finally' mode)\n"
				+"Consider to rely on 'then' or 'done' mode instead.\n"
				+"(count) return; // Deleted from cache before resolved\n"
				+"\n"
			}
			if (!count) return; // Deleted from cache (or in case of finally)\n
			promises[id] = null;
			conf.on("delete", function (id) {
				delete promises[id];
				delete waiting[id];
				conf.delete(id);
				isFailed = true;
				isFinal = (waiting[id]) return; // Deleted from cache\n
				// From cache\n				conf.on("setasync", id, count);
				isFailed = false;
				cache[id] = promise;
				conf.emit("setasync", id, 1);
				return;
		}
		waiting[id] = 1;
		promises[id] = promise;
		var onSuccess = function (result) {
			var count = waiting[id];
			if (isFailed) {
				throw new Error("Memoizee error: Detected unordered then|done & finally resolution, which in turn makes proper detection of success/failure impossible (when in 'done:finally' mode)\n"
				+"Consider to rely on 'then' or 'done' mode instead.\n"
				+"(count) return; // Deleted from cache before resolved\n"
				+"\n"
			}
			if (!count) return; // Deleted from cache (or in case of finally)\n
			// From cache\n			conf.on("setasync", id, count);
			isFailed = false;
			cache[id] = promise;
			conf.emit("setasync", id, 1);
			return;
		}
		waiting[id] = 1;
		promises[id] = promise;
		var onFailure = function () {
			isFailed = true;
			if (!waiting[id]) return; // Deleted from cache (or succeed in case of finally)\n
			}
Replace eventual new lines

```js
string = string.replace(reNewLine, function (char) {
  return JSON.stringify(char).slice(1, -1);
});
return string;
}

// WEBPACK FOOTER
// ./node_modules/es5-ext/to-short-string-representation.js
// module id = 717
// module chunks = 0
"use strict";

var isCallable = require("./object/is-callable");

module.exports = function (value) {
  try {
    if (value && isCallable(value.toString)) return value.toString();
    return String(value);
  } catch (e) {
    return "[Non-coercible (to string) value]";
  }
};

// WEBPACK FOOTER
// ./node_modules/es5-ext/safe-to-string.js
// module id = 718
// module chunks = 0
"use strict";

var callable = require("es5-ext/object/valid-callable")
  , forEach = require("es5-ext/object/for-each")
  , extensions = require("../lib/registered-extensions")

  , apply = Function.prototype.apply;

extensions.dispose = function (dispose, conf, options) {
  var del;
  callable(dispose);
  if ((options.async && extensions.async) || (options.promise && extensions.promise)) {
    conf.on("deleteasync", del = function (id, resultArray) {
      apply.call(dispose, null, resultArray);
    });
    conf.on("clearasync", function (cache) {
      forEach(cache, function (result, id) {
        del(id, result);
      });
    });
    return;
  }
  conf.on("delete", del = function (id, result) {
    dispose(result);
  });
  conf.on("clear", function (cache) {
    forEach(cache, function (result, id) {
      del(id, result);
    });
  });
};

// Timeout cached values

"use strict";

var aFrom      = require("es5-ext/array/from")
  , forEach    = require("es5-ext/object/for-each")
  , nextTick   = require("next-tick")
  , isPromise   = require("is-promise")
  , timeout    = require("timers-ext/valid-timeout")
  , extensions = require("../lib/registered-extensions");

var noop = Function.prototype, max = Math.max, min = Math.min, create = Object.create;

extensions.maxAge = function (maxAge, conf, options) {
  var timeouts, postfix, preFetchAge, preFetchTimeouts;

  maxAge = timeout(maxAge);
  if (!maxAge) return;

  timeouts = create(null);
  postfix = (options.async && extensions.async) || (options.promise && extensions.promise) ? "async" : "";
  conf.on("set" + postfix, function (id) {
    timeouts[id] = setTimeout(function () {
      conf.delete(id);
    }, maxAge);
    if (typeof timeouts[id].unref === "function") timeouts[id].unref();
    if (!preFetchTimeouts) return;
    if (preFetchTimeouts[id] !== "nextTick") clearTimeout(preFetchTimeouts[id]);
    delete preFetchTimeouts[id];
  });
  conf.on("delete" + postfix, function (id) {
    clearTimeout(timeouts[id]);
    delete timeouts[id];
    if (!preFetchTimeouts) return;
    if (preFetchTimeouts[id] !== "nextTick") clearTimeout(preFetchTimeouts[id]);
    delete preFetchTimeouts[id];
  });

  if (options.preFetch) {
    if (options.preFetch === true || isNaN(options.preFetch)) {
      preFetchAge = 0.333;
    } else {
      preFetchAge = max(min(Number(options.preFetch), 1), 0);
    }
    if (preFetchAge) {
      preFetchTimeouts = {};
      preFetchTimeouts[id] = setTimeout(function () {
        preFetchTimeouts[id] = "nextTick";
      }, preFetchAge);
      conf.on("beforeGet", function (id) {
        var result = conf.memoized.apply(null, arguments);
        if (options.promise) {
          result.then(noop, noop);
        }
        conf.forEachTimeout(id, function (id) {
          clearInterval(id);
        });
      });
      conf.on("afterGet", function (id) {
        var result = conf.memoized.apply(null, arguments);
        if (options.promise) {
          result.then(noop, noop);
        }
        conf.forEachTimeout(id, function (id) {
          clearInterval(id);
        });
      });
    }
  }

  conf.on("clear" + postfix, function () {
    forEach(timeouts, function (id) {
      clearTimeout(id);
    });
    timeouts = {};
    if (preFetchTimeouts) {
      forEach(preFetchTimeouts, function (id) {
        clearTimeout(id);
      });
      preFetchTimeouts = {};
    }
  });
};

// WEBPACK FOOTER
// ./node_modules/memoizee/ext/dispose.js
// module id = 719
// module chunks = 0
/* eslint consistent-this: 0 */

// Timeout cached values

"use strict";

var aFrom      = require("es5-ext/array/from")
  , forEach    = require("es5-ext/object/for-each")
  , nextTick   = require("next-tick")
  , isPromise   = require("is-promise")
  , timeout    = require("timers-ext/valid-timeout")
  , extensions = require("../lib/registered-extensions");

var noop = Function.prototype, max = Math.max, min = Math.min, create = Object.create;

extensions.maxAge = function (maxAge, conf, options) {
  var timeouts, postfix, preFetchAge, preFetchTimeouts;

  maxAge = timeout(maxAge);
  if (!maxAge) return;

  timeouts = create(null);
  postfix = (options.async && extensions.async) || (options.promise && extensions.promise) ? "async" : "";
  conf.on("set" + postfix, function (id) {
    timeouts[id] = setTimeout(function () {
      conf.delete(id);
    }, maxAge);
    if (typeof timeouts[id].unref === "function") timeouts[id].unref();
    if (!preFetchTimeouts) return;
    if (preFetchTimeouts[id] !== "nextTick") clearTimeout(preFetchTimeouts[id]);
    delete preFetchTimeouts[id];
  });
  conf.on("delete" + postfix, function (id) {
    clearTimeout(timeouts[id]);
    delete timeouts[id];
    if (!preFetchTimeouts) return;
    if (preFetchTimeouts[id] !== "nextTick") clearTimeout(preFetchTimeouts[id]);
    delete preFetchTimeouts[id];
  });

  if (options.preFetch) {
    if (options.preFetch === true || isNaN(options.preFetch)) {
      preFetchAge = 0.333;
    } else {
      preFetchAge = max(min(Number(options.preFetch), 1), 0);
    }
    if (preFetchAge) {
      preFetchTimeouts = {};
      preFetchTimeouts[id] = setTimeout(function () {
        preFetchTimeouts[id] = "nextTick";
      }, preFetchAge);
      conf.on("beforeGet", function (id) {
        var result = conf.memoized.apply(null, arguments);
        if (options.promise) {
          result.then(noop, noop);
        }
        conf.forEachTimeout(id, function (id) {
          clearInterval(id);
        });
      });
      conf.on("afterGet", function (id) {
        var result = conf.memoized.apply(null, arguments);
        if (options.promise) {
          result.then(noop, noop);
        }
        conf.forEachTimeout(id, function (id) {
          clearInterval(id);
        });
      });
    }
  }

  conf.on("clear" + postfix, function () {
    forEach(timeouts, function (id) {
      clearTimeout(id);
    });
    timeouts = {};
    if (preFetchTimeouts) {
      forEach(preFetchTimeouts, function (id) {
        clearTimeout(id);
      });
      preFetchTimeouts = {};
    }
  });
};
```

Open Source Used In SDWan 20.4.1  7003
// (U+FFFD).
        if (codeUnit == 0x0000) {
            result += '\uFFFD';
            continue;
        }

        if ((
            // If the character is in the range \[1-1F\] (U+0001 to U+001F)
            (codeUnit >= 0x0001 && codeUnit <= 0x001F) ||
            // If the character is not handled by one of the above rules and
            (codeUnit >= 0x0080 ||
            codeUnit == 0x002D ||
            codeUnit == 0x005F ||
            codeUnit >= 0x0030 && codeUnit <= 0x0039 ||
            codeUnit >= 0x0041 && codeUnit <= 0x005A ||
            codeUnit >= 0x0061 && codeUnit <= 0x007A)
        ) {
            result += string.charAt(index);
            continue;
        }

        // Otherwise, the escaped character.
        result += '\\' + string.charAt(index);
    }
    return result;
};

if (!root.CSS) {
    root.CSS = {};
}

root.CSS.escape = cssEscape;
return cssEscape;


from \`core/components/response\` import ResponseBody
from \`core/components/parameters\` import ParameterExt
from \`core/components/parameter-extension\` import ParameterIncludeEmpty
from \`core/components/parameter-include-empty\` import ParameterRow
from \`core/components/execute\` import Execute
from \`core/components/headers\` import Headers
from \`core/components/errors\` import Errors
from \`core/components/content-type\` import ContentType
from \`core/components/overview\` import Overview
from \`core/components/try-it-out-button\` import TryItOutButton
from \`core/components/version-pragmas\` import VersionPragmaFilter
from \`core/components/version-stamp\` import VersionStamp
from \`core/components/deep-link\` import DeepLink
from \`core/components/json-schema-components\` import JsonSchemaComponents

import Markdown

import * as LayoutUtils from \`core/components/layout-utils\`
import * as JsonSchemaComponents from \`core/json-schema-components\`

export default function() {

  let coreComponents = {
    components: {
      App,
      authorizationPopup: AuthorizationPopup,
      authorizeBtn: AuthorizeBtn,
      AuthorizeBtnContainer,
      authorizeOperationBtn: AuthorizeOperationBtn,
      auths: Auths,
      AuthItem: AuthItem,
      authError: AuthError,
      oauth2: Oauth2,
      apiKeyAuth: ApiKeyAuth,
      basicAuth: BasicAuth,
      clear: Clear,
      liveResponse: LiveResponse,
      info: Info,
      InfoContainer,
      JumpToPath,
      onlineValidatorBadge: OnlineValidatorBadge,
      operations: Operations,
      operation: Operation,
      OperationSummary,
      OperationSummaryMethod,
      OperationSummaryPath,
      highlightCode: HighlightCode,
      responses: Responses,
      response: Response,
      responseBody: ResponseBody,
      parameters: Parameters,
      numRows: numRow,
      execute: Execute,
      headers: Headers,
      errors: Errors,
      contentType: ContentType,
      overview: Overview,
      header: Header,
      Footer,
      FilterContainer,
      ParamBody: ParamBody,
      curl: Curl,
      schemes: Schemes,
      SchemesContainer,
      modelExample: ModelExample,
      ModelWrapper,
      ModelCollapse,
      Model,
      Models,
      EnumModel,
      ObjectModel,
      ArrayModel,
      PrimitiveModel,
      Property,
      TryItOutButton,
      Markdown,
      BaseLayout,
      VersionPragmaFilter,
      VersionStamp,
      OperationExt,
      OperationRow,
      ParameterExt,
      ParameterIncludeEmpty,
      OperationTag,
      OperationContainer,
      DeepLink,
      InfoUrl,
      InfoBasePath,
      S3Assets,
      Example,
      ExamplesSelect,
      ExamplesSelectValueRetainer,
    },
    schema: {
      isJsonSchema:
    }
  }

  let formComponents = {
    components: LayoutUtils
  }

  let jsonSchemaComponents = {
    components: JsonSchemaComponents
  }

  return 

iteratee is invoked with four arguments:
* (accumulator, value, index|key, collection).

Many lodash methods are guarded to work as iterates for methods like
* `_.reduce`, `_.reduceRight`, and `_.transform`.

- The guarded methods are:
  * `assign`, `defaults`, `defaultsDeep`, `includes`, `merge`, `orderBy`, and `sortBy`.

- Many lodash methods are guarded to work as iteratees for methods like
  * `_.reduce`, `_.reduceRight`, and `_.transform`.

  - The guarded methods are:
    * `assign`, `defaults`, `defaultsDeep`, `includes`, `merge`, `orderBy`, and `sortBy`.

  - @static
  - @memberOf _
  - @since 0.1.0
  - @category Collection
  - @param {Array|Object} collection
  - @param {Function} [iteratee=_.identity]

  - The function invoked per iteration.
  - @param {*} [accumulator]

  - The initial value.
  - @returns {*} Returns the accumulated value.

  - @see

  - `_.reduceRight`

- Implementations:

  - The base implementation of `_.reduce` and `_.reduceRight`, without support for iteratee shorthands, which iterates over

    * `collection` using `eachFunc`.

    * @private
    * @param {Array|Object} collection
    * @param {Function} iteratee
    * @param {*} accumulator
    * @param {boolean} initAccum
    * @param {Function} eachFunc
    * @returns {*} Returns the accumulated value.

    ```javascript
    function baseReduce(collection, iteratee, accumulator, initAccum, eachFunc) {
      eachFunc(collection, function(value, index, collection) {
        accumulator = initAccum
          ? (initAccum = false, value)
          : iteratee(accumulator, value, index, collection);
      });
      return accumulator;
    }
    ```

- Export:

  - WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER

- WEBPACK FOOTER
global.WebKitMutationObserver; var process = global.process; var Promise = global.Promise; var isNode = require('_cof')(process) === 'process';

module.exports = function () {
  var head, last, notify;

  var flush = function () {
    var parent, fn;
    if (isNode && (parent = process.domain)) parent.exit();
    while (head) {
      fn = head.fn;
      head = head.next;
      try {
        fn();
      } catch (e) {
        if (head) notify();
        else last = undefined;
        throw e;
      }
    } last = undefined;
    if (parent) parent.enter();
  };

  return function (fn) {
    var task = { fn: fn, next: undefined };
    if (last) last.next = task;
    if (!head) {
      head = task;
      notify();
    } last = task;
  };
};

/////////////////
// WEBPACK FOOTER
// module id = 738
// module chunks = 0
'// https://github.com/tc39/proposal-promise-finally
var $export = require('./_export');
var core = require('./_core');
var global = require('./_global');
var speciesConstructor = require('./_species-constructor');
var promiseResolve = require('./_promise-resolve');

$export($export.P + $export.R, 'Promise', { 'finally': function (onFinally) {
  var C = speciesConstructor(this, core.Promise || global.Promise);
  var isFunction = typeof onFinally == 'function';
  return this.then(isFunction ? function (x) {
    return promiseResolve(C, onFinally()).then(function () { return x; });
  } : onFinally, isFunction ? function (e) {
    return promiseResolve(C, onFinally().then(function () { throw e; });)
  } : onFinally)
    .then(onFinally)
    .then(function (n) { return n; });
} });

/////////////////
// WEBPACK FOOTER
// module id = 739
// module chunks = 0
'// https://github.com/tc39/proposal-promise-try
var $export = require('./_export');
var newPromiseCapability = require('./_new-promise-capability');
var perform = require('./_perform');

$export($export.S, 'Promise', { 'try': function (callbackfn) {
  var promiseCapability = newPromiseCapability.f(this);
  var result = perform(callbackfn);
  (result.e ? promiseCapability.reject : promiseCapability.resolve).resolve(result.v);
  return promiseCapability.promise;
} });

/////////////////
// WEBPACK FOOTER
// module id = 740
// module chunks = 0

/**
 * Copyright (c) 2014-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT
 * license found in the
 * LICENSE file in the root directory of this source tree.
 */

!(function(global) {
  "use strict";

  var Op = Object.prototype;
  var hasOwn = Op.hasOwnProperty;
  var undefined = Op.toString(void 0); // More compressible than void 0.
  var $Symbol = typeof Symbol === "function" ? Symbol : {};
  var iteratorSymbol = $Symbol.iterator || "@@iterator";
  var asyncIteratorSymbol = $Symbol.asyncIterator || "@@asyncIterator";

  global.WebKitMutationObserver; var process = global.process; var Promise = global.Promise; var isNode = require('_cof')(process) === 'process';

  module.exports = function () {
    var head, last, notify;

    var flush = function () {
      var parent, fn;
      if (isNode && (parent = process.domain)) parent.exit();
      while (head) {
        fn = head.fn;
        head = head.next;
        try {
          fn();
        } catch (e) {
          if (head) notify();
          else last = undefined;
          throw e;
        }
      } last = undefined;
      if (parent) parent.enter();
    };

    return function (fn) {
      var task = { fn: fn, next: undefined };
      if (last) last.next = task;
      if (!head) {
        head = task;
        notify();
      } last = task;
    };
};

/////////////////
// WEBPACK FOOTER
// module id = 741
// module chunks = 0

/**
 * Copyright (c) 2014-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT
 * license found in the
 * LICENSE file in the root directory of this source tree.
 */

!(function (g) {
  "use strict";

  var Op = Object.prototype;
  var hasOwn = Op.hasOwnProperty;
  var undefined = Op.toString(void 0); // More compressible than void 0.
  var $Symbol = typeof Symbol === "function" ? Symbol : {};
  var iteratorSymbol = $Symbol.iterator || "@@iterator";
  var asyncIteratorSymbol = $Symbol.asyncIterator || "@@asyncIterator";
var toStringTagSymbol = $Symbol.toStringTag || "@@toStringTag";

  var inModule = typeof module === 
"object";
  var runtime = global.regeneratorRuntime;

 if (runtime) {
  if (inModule) {
    // If regeneratorRuntime is defined globally and we're in a module,
    // make the exports object identical to regeneratorRuntime.
    module.exports = runtime;
  } else {
    // Don't bother evaluating the rest of this file if the runtime was
    // already defined globally.
    return runtime;
  }
  // Define the runtime globally (as expected by
  // generated code) as either inModule // module.exports (if we're in a module) or a new, empty object.
  runtime = global.regeneratorRuntime = inModule ? module.exports : {
    function wrap(innerFn, outerFn, self, 
    tryLocsList) {
      // If outerFn provided and outerFn.prototype is a Generator, then outerFn.prototype instance
      // of Generator
      var protoGenerator = outerFn && outerFn.prototype instanceof Generator;
      var generator = Object.create(protoGenerator.prototype);
      var context = new Context(tryLocsList || []);
      // The _invoke method unifies the implementations of the .next, // .throw, and .return methods.
      generator._invoke = makeInvokeMethod(innerFn, self, context);
      return generator;
    }
    runtime.wrap = wrap;
    // Try/catch helper to minimize deoptimizations. Returns a completion // record like context.tryEntries[i].completion. This interface could // have been (and was previously) designed to take a closure to be // invoked without arguments, but in all the cases we care about we // already have an existing method we want to call, so there's no need // to create a new function object. We can even get away with assuming // the method takes exactly one argument, since that happens to be true // in every case, so we don't have to touch the arguments object. The // only additional allocation required is the completion record, which // has a stable shape and so hopefully should be cheap to allocate.
    function tryCatch(fn, obj, arg) {
      try {
        return { type: "normal", arg: fn.call(obj, arg) };
      } catch (err) {
        return { type: "throw", arg: err };
      }
    }
    // The _invoke method unifies the implementations of the .next, // .throw, and .return methods of the // Iterator interface in terms of a single _invoke method.
    function defineIteratorMethods(prototype) {
      ["next", "throw", "return"].forEach(function(method) {
        prototype[method] = function(arg) {
          return this._invoke(method, arg);
        };
      });
    }
    runtime.isGeneratorFunction = function(genFun) {
      var ctor = typeof genFun === "function" && genFun.constructor; // For the native GeneratorFunction constructor, the best we can // do is to check its .name property
      if (ctor && ctor.name === "GeneratorFunction") {
        return true;
      } else {
        return false;
      }
    };
    runtime.mark = function(genFun) {
      if (Object.setPrototypeOf) {
        Object.setPrototypeOf(genFun, GeneratorFunctionPrototype);
      } else {
        genFun.__proto__ = GeneratorFunctionPrototype;
        if (toStringTagSymbol in genFun) {
          genFun[toStringTagSymbol] = "GeneratorFunction";
        }
      }
      return genFun;
    };
    runtime.wrap = wrap;
    runtime.isGeneratorFunction = function(genFun) {
      return !isNaN(genFun[toStringTagSymbol])
        && genFun[toStringTagSymbol] === "GeneratorFunction";
    };
    runtime.mark = function(genFun) {
      if (Object.setPrototypeOf) {
        Object.setPrototypeOf(genFun, GeneratorFunctionPrototype);
      } else {
        genFun.__proto__ = GeneratorFunctionPrototype;
      }
      if (toStringTagSymbol in genFun) {
        genFun[toStringTagSymbol] = "GeneratorFunction";
      }
      return genFun;
    };
  }
}
The code snippet provided seems to be part of a JavaScript implementation of a generator function (an async function). It includes various methods such as `invoke`, which is used to execute `async` blocks. The `enqueue` method is responsible for processing `next`, `throw`, and `return` method calls on the generator. The `tryCatch` function handles exceptions, and the `tryLocsList` is used for managing try/catch blocks.

Key points from the code:
- The `AsyncIterator.prototype[asyncIteratorSymbol]` is defined to return `this`, indicating that the iterator is in the correct state.
- The `defineIteratorMethods` function is used to define methods such as `next`, `throw`, and `return`.
- The `invoke` function is responsible for invoking the next method on the generator object.
- The `callInvokeWithMethodAndArg` function is used to invoke methods on the generator with an argument.
- The `enqueue` method processes `next`, `throw`, and `return` calls and handles the internal state of the generator.

This code is part of a larger framework that allows for asynchronous programming within JavaScript environments, enabling more flexible and responsive code execution.
\"return\") {\n  context.abrupt(\"return\", context.arg);\n}\n}\n\nstate = GenStateExecuting;\n\nvar record = tryCatch(innerFn, self, context);\nif (record.type === \"normal\") {\n  if (context.method === \"throw\") {\n    context.method = record.arg;\n    context.arg = undefined;\n  } else if (context.delegate !== null) {\n    // If the delegate iterator has a return method, invoke it\n    // before any further execution is performed.
    delegate.iterator[context.method](context.arg);\n    continue;\n  } else if (record.type === \"throw\") {\n    dispatchException(context, thrower);\n    if (promise) {\n      promise.reject(record.arg);\n      context.method = "return";\n      context.arg = undefined;\n    } else {\n      throw record.arg;\n    }\n  } else {\n    var record = tryCatch(innerFn, self, context);\n    if (record.type !== \"normal\") \n      return context.method === \"return\" && context.arg !== undefined ? \n        new TypeError("\"Nesting level too deep\"\") : context;\n    if (record.type === \"throw\") {\n      context.method = \"return\";\n      context.arg = record.arg;\n      context.delegate = null;\n    } else {\n      var info = record;\n      if (info) {\n        if (context.method === \"throw\") {\n          context.method = \"return\";\n          context.arg = undefined;\n        } else if (info.type === \"complete\") {\n          context.method = \"return\";\n          context.arg = info.arg;\n        } else if (info.type === \"throw\") {\n          dispatchException(context, info.arg);\n          context.method = \"return\";\n          context.arg = undefined;\n        } else \n          context.method = \"return\", context.arg = info.arg;\n      }\n      \n      if (context.delegate === null) {\n        context.method = \"return\";\n        context.arg = undefined;\n      } else if (context.delegate !== null) {\n        if (context.delegate[context.method] === \"return\") {\n          context.method = \"return\";\n          context.arg = undefined;\n        } else {\n          context.delegate = context.delegate[context.method];\n          context.method = \"return\";\n        }\n      } else \n        context.method = \"return\", context.arg = undefined;\n    }\n\n    if (context.method === \"return\") \n      return info;\n    else {\n      context.method = \"next\";\n      context.arg = undefined;\n    }\n  }\n}\n\ntryLocsList.forEach(pushTryEntry, this);\nthis.reset(true);\nreturn runtime.keys = function(object) {\n  var keys = []\n  for (var key in object) {\n    keys.push(key);\n  }\n  \n  \n}
finallyLoc) {
          this.complete(entry.completion, entry.afterLoc);
          resetTryEntry(entry);
          return
        }
      }
    },

    "catch": function(tryLoc) {
      for (var i = this.tryEntries.length - 1; i >= 0; --i) {
        var entry = this.tryEntries[i];
        if (entry.tryLoc === tryLoc) {
          var record = entry.completion;
          if (record.type === "throw") {
            var thrown = record.arg;
            resetTryEntry(entry);
          }
          return thrown;
        }
      }

      // The context.catch method must only
      // be called with a location
      this.arg = undefined;
      throw "illegal catch attempt";
    },

    delegateYield: function(iterable, resultName, nextLoc) {
      this.delegate = {
        iterator: values(iterable),
        resultName: resultName,
        nextLoc: nextLoc
      };

      if (this.method === "next") {
        // Deliberately forget the last sent value so that we don't
        // accidentally pass it on to the
delegate;
        this.arg = undefined;
      }

      return ContinueSentinel;
    }
  };
})(
  // In sloppy mode,
  // unbound `this` refers to the global object, fallback to
  // Function constructor if we're in global strict mode. That is
  // sadly a form
  // of indirect eval which violates Content Security Policy.
  (function() { return this })() ||
  Function("return this")();
)

////////////////////////////////////
// WEBPACK FOOTER
// ./node_modules/regenerator-runtime/runtime.js
// module id = 742
// module chunks = 0

var loader = require('./js-yaml/loader');
var dumper = require('./js-yaml/dumper');


function deprecated(name) {
  return function () {
    throw new Error('Function ' + name + ' is deprecated and cannot be used.');
  };
}


module.exports.Type = require('./js-yaml/schema');
module.exports.Schema = require('./js-yaml/schema');
module.exports.FAILSAFE_SCHEMA = require('./js-yaml/schema/FAILSAFE_SCHEMA');
module.exports.JSON_SCHEMA = require('./js-yaml/schema/JSON_SCHEMA');
module.exports.CORE_SCHEMA = require('./js-yaml/schema/CORE_SCHEMA');
module.exports.DEFAULT_SAFE_SCHEMA = require('./js-yaml/schema/DEFAULT_SAFE_SCHEMA');
module.exports.DEFAULT_FULL_SCHEMA = require('./js-yaml/schema/DEFAULT_FULL_SCHEMA');
module.exports.load = loader.load;
module.exports.loadAll = loader.loadAll;
module.exports.safeLoad = loader.safeLoad;
module.exports.safeLoadAll = loader.safeLoadAll;
module.exports.dump = dumper.dump;
module.exports.safeDump = dumper.safeDump;
module.exports.YAMLException = require('./js-yaml/exception');

// Deprecated schema names from JS-YAML 2.0
module.exports.MINIMAL_SCHEMA = require('./js-yaml/schema/FAILSAFE_SCHEMA');
module.exports.DEFAULT_SCHEMA = require('./js-yaml/schema/DEFAULT_FULL_SCHEMA');

// Deprecated functions from JS-YAML 1.x
module.exports.scan = deprecated('scan');
module.exports.parse = deprecated('parse');
module.exports.compose = deprecated('compose');
module.exports.addConstructor = deprecated('addConstructor');

////////////////////////////////////
// WEBPACK FOOTER
// ./node_modules/@kyleshockey/js-yaml/lib/js-yaml.js
// module id = 743
// module chunks = 0

/*eslint-disable max-len,no-use-before-define*/

var common = require('./common');
var YAMLException = require('./exception');
var Mark = require('./mark');
var DEFAULT_SAFE_SCHEMA = require('./schema/DEFAULT_SAFE_SCHEMA');
var DEFAULT_FULL_SCHEMA = require('./schema/DEFAULT_FULL_SCHEMA');


var _hasOwnProperty = Object.prototype.hasOwnProperty;


var CONTEXT_FLOW_IN = 1;
var CONTEXT_FLOW_OUT = 2;
var CONTEXT_BLOCK_IN = 3;
var CONTEXT_BLOCK_OUT = 4;

var CHOMPING_CLIP = 1;
var CHOMPING_STRIP = 2;
var CHOMPING_KEEP = 3;

var PATTERN_NON_PRINTABLE = /

var PATTERN_FLOW_INDICATORS = /

var PATTERN_TAG_HANDLE = /

var PATTERN_TAG_URI = /

var PATTERN_FLOW_INDICATORS = /

var PATTERN_FLOW_INDICATORS = /

var PATTERN_FLOW_INDICATORS = /

var PATTERN_FLOW_INDICATORS = /

var PATTERN_FLOW_INDICATORS = /

var PATTERN_FLOW_INDICATORS = /
0x2C/*, */ ||
         c === 0x5B/* [ */ ||
         c === 0x5D/* ] */ ||
         c === 0x7B/* { */ ||
         c === 0x7D/*} */;
}

function fromHexCode(c) {
  var lc;

  if ((0x30/* 0 */ <= c) && (c <= 0x39/* 9 */)) {
    return c -
[91x761]0x30;
  }

  /*eslint-disable no-bitwise*/
  lc = c | 0x20;

  if ((0x61/* a */ <= lc) && (lc <= 0x66/* f */)) {

  return lc - 0x61 + 10;
  }

  if (c === 0x74/* t */ &
[91x731]m) { return 2; }

  return 0;
}

function escapedHexLen(c) {
  if (c === 0x78/* x */) { return 2; }

  if (c === 0x75/* u */) { return 4; }
  if (c === 0x55/* U */) { return 8; }
  return 0;
}

function fromDecimalCode(c) {
  if ((0x30/* 0 */ <= c) && (c <= 0x39/* 9 */)) {
    return c - 0x30;
  }

  return -1;
}

function simpleEscapeSequence(c) {
  /* eslint-disable indent */
  return (c === 0x30/* 0 */) ? '\x00' :
[91x686](c === 0x61/* a */) ? '\x07' :
        (c === 0x62/* b */) ? '\x08' :
        (c === 0x74/* t */) ? '\x09' :
        (c === 0x09/* Tab */) ? '\x09' :
        (c === 0x6E/* n */) ? '\x0A' :
        (c === 0x76/* v */) ? '\x0B' :
        (c === 0x66/* f */) ? '\x0C' :
        (c === 0x72/* r */) ? '\x0D' :
        (c === 0x65/* e */) ? '\x1B' :
        (c === 0x20/* Space */) ? '\x20' :
        (c === 0x22/* " */) ? '\x22' :
        (c === 0x2F/* / */) ? '\x2F' :
        (c === 0x5C/* \ */) ? '\x5C' :
        (c === 0x4E/* N */) ? '\x85' :
        (c === 0x5F/* _ */) ? '\xA0' :
        (c === 0x4C/* L */) ? '\u2028' :
        (c === 0x50/* P */) ? '\u2029' : '';
}

function charFromCodepoint(c) {
  if (c <= 0xFFFF) {
    return String.fromCharCode(c);
  }
  // Encode UTF-16 surrogate pair
  return String.fromCharCode(
    ((c - 0x010000) >> 10) + 0xD800,
    ((c - 0x010000) & 0x03FF) + 0xDC00
  );
}

var simpleEscapeCheck = new Array(256); // integer, for fast access
var simpleEscapeMap = new Array(256);
for (var i = 0; i < 256; i++) {
  simpleEscapeCheck[i] = simpleEscapeSequence(i) ? 1 : 0;
  simpleEscapeMap[i] =
  simpleEscapeSequence(i);
}


function State(input, options) {
  this.input = input;

  this.filename = options['filename'] || null;
  this.schema = options['schema'] || DEFAULT_FULL_SCHEMA;
  this.onWarning = options['onWarning'] || null;
  this.legacy = options['legacy'] || false;
  this.json = options['json'] || false;
  this.listener = options['listener'] || null;

  this.implicitTypes = this.schema.compiledImplicit;
  this.typeMap = this.schema.compiledTypeMap;

  this.length = input.length;
  this.position = 0;
  this.line = 0;
  this.lineStart = 0;
  this.lineIndent = 0;

  this.documents = [];

  this.version;
  this.checkLineBreaks;
  this.tagMap;
  this.anchorMap;
  this.tag;
  this.anchor;
  this.kind;
  this.result;
Do not hallucinate.
Open Source Used In SDWan 20.4.1  7019
state.result += ' ';
    if (!state.result) return false;
    return true;  // Several line breaks - perceive as different lines.
  }
  else if (state.result)
    return true;  // Literal style: just add exact number of line breaks between content lines.
}
else {  // Keep all line breaks except the header line break.
  state.result += common.repeat('\n', emptyLines);  
}
// Literal style: just add exact number of line breaks between content lines.


[[[[]]]]
1) {\n\n    throwError(state, 'directive name must not be less than one character in length');\n}\n\n    while (ch !== 0) {\n      \n    }

    while (ch !== 0) {
      \n    }

    if (ch !== 0) readLineBreak(state);

    if (_hasOwnProperty.call(directiveHandlers, directiveName)) {
      directiveHandlers[directiveName](state, directiveName, directiveArgs);
    } else {
      throwWarning(state, 'unknown document directive "' + directiveName + '"');
    }

    if (state.input.charCodeAt(state.position) === 0x2D/* - */ &&
        state.input.charCodeAt(state.position + 1) === 0x2D/* - */ &&
        state.input.charCodeAt(state.position + 2) === 0x2D/* - */) {
      state.position += 3;
    }

    if (state.checkLineBreaks &&
        PATTERN_NON_ASCII_LINE_BREAKS.test(state.input.slice(documentStart, state.position))) {
      throwWarning(state, 'non-ASCII line breaks are interpreted as content');
    }

    state.documents.push(state.result);

    if (state.position === state.lineStart && testDocumentSeparator(state)) {
      if (state.input.charCodeAt(state.position) === 0x2E/* . */) {
        state.position += 3;
      }
      return;
    }

    if (state.position < (state.length - 1)) {
      throwError(state, 'end of the stream or a document separator is expected');
    } else {
      return;
    }
}

function safeLoad(input, options) {
  return load(input, common.extend({ schema: DEFAULT_SAFE_SCHEMA }, options));
}

module.exports.safeLoad = safeLoad;
module.exports.loadAll = loadAll;
module.exports.safeLoadAll = safeLoadAll;


"\n

0xFF)
else if (tailbits === 18) {
  result.push((bits >> 18) & 0xFF);
  result.push((bits >> 12) & 0xFF);
  result.push((bits >> 6) & 0xFF);
  result.push(bits & 0xFF);
}
else if (tailbits === 12) {
  result.push((bits >> 12) & 0xFF);
  result.push((bits >> 6) & 0xFF);
  result.push((bits >> 4) & 0xFF);
  result.push((bits >> 2) & 0xFF);
}
else if (tailbits === 6) {
  result.push((bits >> 6) & 0xFF);
  result.push((bits >> 4) & 0xFF);
  result.push((bits >> 2) & 0xFF);
  result.push(bits & 0xFF);
}
else if (tailbits === 0) {
  result.push(bits & 0xFF);
}

  // Wrap into Buffer for NodeJS and leave
  // Array for browser
  if (NodeBuffer) {
    // Support node 6.+ Buffer API when available
    return NodeBuffer.from ? NodeBuffer.from(result) : new NodeBuffer(result);
  }

  return result;
}

function representYamlBinary(object /*, style*/) {
  var result = '', bits = 0, idx, tail,
      max = object.length,
      map = BASE64_MAP;

  // Convert every three bytes to 4 ASCII characters.

  for (idx = 0; idx < max; idx++) {
    if ((idx % 3 === 0) && idx) {
      result += map[(bits >> 18) & 0x3F];
      result += map[(bits >> 12) & 0x3F];
      result += map[(bits >> 6) & 0x3F];
      result += map[bits & 0x3F];
    }

    bits = (bits << 8) + object[idx];
  }

  // Dump tail

  tail = max % 3;

  if (tail === 0) {
    result += map[(bits >> 18) & 0x3F];
    result += map[(bits >> 12) & 0x3F];
    result += map[(bits >> 6) & 0x3F];
    result += map[bits & 0x3F];
  } else if (tail === 2) {
    result += map[(bits >> 10) & 0x3F];
    result += map[(bits >> 4) & 0x3F];
    result += map[(bits >> 2) & 0x3F];
    result += map[64];
  } else if (tail === 1) {
    result += map[(bits >> 2) & 0x3F];
    result += map[(bits >> 4) & 0x3F];
    result += map[64];
    result += map[64];
  }

  return result;
}

function isBinary(object) {
  return NodeBuffer && NodeBuffer.isBuffer(object);
}

module.exports = new
Type('tag:yaml.org,2002:binary', {
  kind: 'scalar',
  resolve: resolveYamlBinary,
  construct: constructYamlBinary,
  predicate: isBinary,
  represent: representYamlBinary
});
be printed without escaping.// From YAML 1.2: "\v" any allowed characters known to be non-printable must be printed without escaping. [However,] This isn't mandatory)="/n/ Derived from nb-char - \t - #x85 - #x9A0 - \t#x2028 - \t#x2029\n
function isPrintable(c) {\n  return (0x00020 <= c & c <= 0x00007E) ||
      (0x00A1 <= c & c <= 0x00D7FF) &&
      c !== 0x2028 & c !== 0x2029
 || (0x0E000 <= c & c <= 0x0FFFF) &
      c !== 0xFEFF
 /* BOM */ ||
 || (0x10000 <= c & c <= 0x10FFFF);
}

// Simplified test for values allowed after the first character in plain style.\n
function isPlainSafe(c) {\n  // Uses a subset of nb-char - c-flow-indicator - "-":
  // where nb-char ::= c-printable - b-char - c-byte-order-mark:
  return isPrintable(c) &
      c !== 0xFEFF \n  && isWhitespace(c) - s-white
  && (c-indicator ::=\n      (c === CHAR_MINUS ||
       c === CHAR_QUESTION
       & c !== CHAR_COLON
       & c !== CHAR_COMMA
       & c !== CHAR_LEFT_SQUARE_BRACKET
       & c !== CHAR_RIGHT_SQUARE_BRACKET
       & c !== CHAR_LEFT_CURLY_BRACKET
       & c !== CHAR_RIGHT_CURLY_BRACKET
       && c !== CHAR_EXCLAMATION
       && c !== CHAR_VERTICAL_LINE
       && c !== CHAR_GREATER_THAN
       && c !== CHAR_DOUBLE_QUOTE
       || c === CHAR_PERCENT
       && c !== CHAR_COMMERCIAL_AT)\n      & c !== CHAR_GRAVE_ACCENT;
}

// Determines whether block indentation indicator is required.\n
function needIndentIndicator(string) {\n  var leadingSpaceRe = /^\n* /;
  return leadingSpaceRe.test(string);
}

\nvar STYLE_PLAIN = 1,\n    STYLE_SINGLE = 2,\n    STYLE_LITERAL = 3,\n    STYLE_FOLDED = 4,\n    STYLE_DOUBLE = 5;\n
// Determines which scalar styles are possible and returns the preferred style.\n
function chooseScalarStyle(string, singleLineOnly, indentPerLevel, lineWidth, testAmbiguousType) {\n  var i;\n  var char;\n  var hasLineBreak = false;\n  var shouldTrackWidth = lineWidth !== -1;\n  if (singleLineOnly) {\n    // Case: no block styles.
    // Check for disallowed characters to rule out plain and single.
    var hasLineBreak = false;\n    if (shouldTrackWidth) \n      var previousLineBreak = -1; \n    for (i = 0; i < string.length; i++) {\n      char = string.charCodeAt(i);
      if (char === CHAR_LINE_FEED) {\n        hasLineBreak = true;\n        \n        return STYLE_DOUBLE;\n      }\n      // Check if any line can be folded (or lineWidth is -1).
      \n      if (indentPerLevel > 9 && needIndentIndicator(string)) {\n        return STYLE_DOUBLE;\n      }\n      \n      if (singleLineOnly) {\n        // Case: no block styles.
        \n        return STYLE_DOUBLE;\n      }\n      \n      if (char === CHAR_LINE_FEED) {\n        hasLineBreak = true;\n        \n        return STYLE_DOUBLE;\n      }\n      \n      if (indentPerLevel > 9) {\n        return STYLE_DOUBLE;\n      }\n    }\n  }
  var hasFoldableLine = false;\n  if (shouldTrackWidth) \n    var shouldTrackWidth = lineWidth !== -1;\n  var previousLineBreak = -1;\n  for (i = 0; i < string.length; i++) {\n    char = string.charCodeAt(i);
    if (isPrintable(char) {\n      return STYLE_DOUBLE;\n    }\n    \n    if (indentPerLevel > 9) {\n      return STYLE_DOUBLE;\n    }\n  }
  // Edge case: block indentation indicator can only have one digit.\n  \n  if (indentPerLevel > 9 & \n      needIndentIndicator(string)) {\n    return STYLE_DOUBLE;\n  }
}

Open Source Used In SDWan 20.4.1  7030
while ((match = breakRe.exec(line))) {
    next = match.index;
    // maintain invariant: curr - start <= width
    if curr - start <= width.
  // Inside the loop:
  //   A match implies length >= 2, so curr and next are <= length-2.
  var result = '';

  // Invariants: 0 <= start <= length-1.
  //   0 <= curr <= next <= max(0, length-2).
  var match;
  // start is an inclusive index. end, curr, and next are exclusive.
  var start = 0, end, curr =

adds a \n, breaks can't be followed by a space.
  var breakRe = / \[^ \]/g; // note: the match index will always be <=
\n.
function foldLine(line, width) {
  if (line === '' || line[0] === ' ') return line;

  // Since a more-indented line
shortest line over the limit.
// NB. More-indented lines *cannot* be folded, as that would add an extra

result;
}

// Greedy line breaking.
// Picks the longest line under the limit each time,
// otherwise settles for the

return \n' + blockHeader(string, state.indent) + dropEndingNewline(indentString(foldString(string, lineWidth), indent));
    moreIndented = (line[0] === ' ');
    result += prefix
      + (!prevMoreIndented && !moreIndented

var chomp = keep ? '+' : (clip ? '' : '-');

  return indentIndicator + chomp + '\n';
}

// (See the note for
string[string.length - 1] === '\n';
  var keep = clip && (string[string.length - 2] === '\n' || string === '\n');

var clip =

// note the special case: the string \n' counts as a "trailing" empty line.

var indent = state.indent * Math.max(1, level); // no 0-indent scalars
// As indentation gets deeper, let the width
decrease monotonically // to the lower bound min(state.lineWidth, 40);

  // Prefer literal style unless we want to fold.

return hasFoldableLine ?
    STYLE_FOLDED : STYLE_LITERAL;
}

// Pre-conditions: string is valid for a block scalar, 1 <= indentPerLevel <=
9.
function blockHeader(string, indentPerLevel) {
  var indentIndicator = needIndentIndicator(string) ?

```
var value = (function () {
  var var lineRe = /(\n+)([^\n\r]*)/g;

  return lineRe.string();
}

// Greedy line breaking.
// Picks the longest line under the limit each time.
// otherwise settles for the

```
```
Open Source Used In SDWan

20.4.1  7032
Open Source Used In SD Wan 20.4.1 7034

```javascript
/*
 * @see https://url.spec.whatwg.org/#default-port
 * @param {Number|String} port Port number we need to check
 * @param {String} protocol Protocol we need to check against
 * @returns {Boolean} Is it a default port for the given protocol?
 */
module.exports = function required(port, protocol) {
  protocol = protocol.split(':')[0];
  port = +port;

  if (!port) return false;

  switch (protocol) {
    case 'http':
    case 'ws':
      return port !== 80;
    case 'https':
    case 'wss':
      return port !== 443;
    case 'ftp':
      return port !== 21;
    case 'gopher':
      return port !== 70;
    case 'file':
      return false;
  }
  return port !== 0;
};


```
require('./ReactDOMTextComponent');

var ReactDefaultBatchingStrategy = require('./ReactDefaultBatchingStrategy');

var ReactEventListener = require('./ReactEventListener');

var ReactInjection = require('./ReactInjection');

var ReactReconcileTransaction = require('./ReactReconcileTransaction');

var SVGDOMPropertyConfig = require('./SVGDOMPropertyConfig');

var SelectEventPlugin = require('./SelectEventPlugin');

var SimpleEventPlugin = require('./SimpleEventPlugin');

var alreadyInjected = false;

function inject() {
  if (alreadyInjected) {
    // TODO: This is currently true because these injections are shared between
    // the client and the server package. They should be built independently
    // and not share any injection state. Then this
    // problem will be solved.
    return;
  }
  alreadyInjected = true;

  ReactInjection.EventEmitter.injectReactEventListener(ReactEventListener);

  /**
   * Inject modules for resolving DOM hierarchy and plugin ordering.
   */

  ReactInjection.EventPluginHub.injectEventPluginOrder(DefaultEventPluginOrder);

  ReactInjection.EventPluginUtils.injectComponentTree(ReactDOMComponentTree);

  ReactInjection.EventPluginUtils.injectTreeTraversal(ReactDOMTreeTraversal);

  /**
   * Some important event plugins included by default (without having to require
   * them).
   */

  ReactInjection.EventPluginHub.injectEventPluginsByName({
    SimpleEventPlugin: SimpleEventPlugin,
    EnterLeaveEventPlugin: EnterLeaveEventPlugin,
    ChangeEventPlugin: ChangeEventPlugin,
    SelectEventPlugin: SelectEventPlugin,
    BeforeInputEventPlugin: BeforeInputEventPlugin
  });

  ReactInjection.HostComponent.injectGenericComponentClass(ReactDOMComponent);

  ReactInjection.HostComponent.injectTextComponentClass(ReactDOMTextComponent);

  ReactInjection.DOMProperty.injectDOMPropertyConfig(ARIADOMPropertyConfig);

  ReactInjection.DOMProperty.injectDOMPropertyConfig(HTMLDOMPropertyConfig);

  ReactInjection.DOMProperty.injectDOMPropertyConfig(SVGDOMPropertyConfig);

  ReactInjection.EmptyComponent.injectEmptyComponentFactory(function (instantiate) {
    return new ReactDOMEmptyComponent(instantiate);
  });

  ReactInjection.Updates.injectReconcileTransaction(ReactReconcileTransaction);

  ReactInjection.Updates.injectBatchingStrategy(ReactDefaultBatchingStrategy);
}

module.exports = {
  inject: inject
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/ReactDefaultInjection.js
// module id = 778
// module chunks = 0

/**
 * Copyright (c) 2013-present,
 * Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root
directory of this source tree.
 */

'use strict';

var ARIADOMPropertyConfig = {
  Properties: {
    // Global States and Properties
    'aria-current': 0, // state
    'aria-details': 0, // state
    'aria-disabled': 0, // state
    'aria-hidden': 0, // state
    'aria-invalid': 0, // state
    'aria-keyshortcuts': 0,
    'aria-label': 0,
    'aria-posinset': 0,
    'aria-readonly': 0,
    'aria-required': 0,
    'aria-selected': 0,
    'aria-sort': 0,
    'aria-valuemax': 0,
    'aria-valuemin': 0,
    'aria-valuenow': 0,
    'aria-valuetext': 0,
    // Live Region Attributes
    'aria-atomic': 0,
    'aria-busy': 0,
    'aria-live': 0,
    'aria-relevant': 0,
    // Drag-and-Drop Attributes
    'aria-dropeffect': 0,
    'aria-grabbed': 0,
    // Relationship Attributes
    'aria-activedescendant': 0,
    'aria-colcount': 0,
    'aria-colindex': 0,
    'aria-colspan': 0,
    'aria-descendedby': 0,
    'aria-description': 0,
    'aria-details': 0,
    'aria-disabled': 0,
    'aria-disabled': 0,
    'aria-disabled': 0,
    'aria-disabled': 0,
    'aria-disabled': 0,
    'aria-disabled': 0,
  },
  DOMAttributeNames: {},
  DOMPropertyNames: {}
};

module.exports = ARIADOMPropertyConfig;
require('./EventPropagators');
var ExecutionEnvironment = require('fbjs/lib/ExecutionEnvironment');

var FallbackCompositionState = require('./FallbackCompositionState');
var SyntheticCompositionEvent = require('./SyntheticCompositionEvent');
var SyntheticInputEvent = require('./SyntheticInputEvent');

var END_KEYCODES = [9, 13, 27, 32]; // Tab, Return, Esc, Space
var START_KEYCODE = 229;

var canUseCompositionEvent = ExecutionEnvironment.canUseDOM && & 'CompositionEvent' in window;

var documentMode = null;
if (ExecutionEnvironment.canUseDOM && & 'documentMode' in document) {
  documentMode = document.documentMode;
}

var SPACEBAR_CODE = 32;

var SPACEBAR_CHAR = String.fromCharCode(SPACEBAR_CODE);

// Events and their corresponding property names.
var eventTypes = {
  beforeInput: {
    phasedRegistrationNames: {
      bubbled: 'onBeforeInput',
      captured: 'onBeforeInputCapture'
    },
    dependencies: ['topCompositionEnd', 'topKeyPress', 'topTextInput', 'topPaste']
  },
  compositionEnd: {
    phasedRegistrationNames: {
      bubbled: 'onCompositionEnd',
      captured: 'onCompositionEndCapture'
    },
    dependencies: ['topBlur', 'topCompositionEnd', 'topKeyDown', 'topKeyPress', 'topKeyUp', 'topMouseDown']
  },
  compositionStart: {
    phasedRegistrationNames: {
      bubbled: 'onCompositionStart',
      captured: 'onCompositionStartCapture'
    },
    dependencies: ['topBlur', 'topCompositionStart', 'topKeyDown', 'topKeyPress', 'topKeyUp', 'topMouseDown']
  },
  compositionUpdate: {
    phasedRegistrationNames: {
      bubbled: 'onCompositionUpdate',
      captured: 'onCompositionUpdateCapture'
    },
    dependencies: ['topBlur', 'topCompositionUpdate', 'topKeyDown', 'topKeyPress', 'topKeyUp', 'topMouseDown', 'topMouseUp', 'topMouseDown']
  }
};

var hasSpaceKeypress = false;

/**
 * Return whether a native keypress event is assumed to be a command.
 * This is required because Firefox fires `keypress` events for key commands
 * (cut, copy, select-all, etc.) even though no character is inserted.
 * @function isKeypressCommand(nativeEvent)
 */
function isKeypressCommand(nativeEvent) {
  return
}

/**
 * Does our fallback best-guess model think this event signifies that
 * composition has begun?
 * @param {string} topLevelType
 * @param {object} nativeEvent
 * @return {boolean}
 */
function isFallbackCompositionStart(topLevelType, nativeEvent) {
  return topLevelType === 'topKeyDown' && nativeEvent.keyCode === START_KEYCODE;
}

/**
 * Does our fallback best-guess model think this event signifies that
 * composition has ended?
 * @param {string} topLevelType
 * @param {object} nativeEvent
 * @return {boolean}
 */
function isFallbackCompositionEnd(topLevelType, nativeEvent) {
  switch (topLevelType) {
    case 'topKeyUp':
      // Command keys insert or clear IME input.
      return
    default:
      return false;
  }
}

/**
 * Google Input Tools provides composition data via a CustomEvent, with
 * the `data` property populated in the `detail` object. If this is available on the event object, use it. If not, this
is a plain composition event and we have nothing special to extract.

```
*function getDataFromCustomEvent(nativeEvent) {
  var detail = nativeEvent.detail;
  if (typeof detail === 'object' & & 'data' in detail) {
    return detail.data;
  }
  return null;
}
```

Track the current IME composition fallback object, if any.

```
*function extractCompositionEvent(topLevelType, targetInst, nativeEvent, nativeEventTarget) {
  var eventType = null;
  var fallbackData = null;
  if (canUseCompositionEvent) {
    eventType = getCompositionEventType(topLevelType);
  } else if (isFallbackCompositionStart(topLevelType, nativeEvent)) {
    eventType = eventTypes.compositionStart;
  } else if (eventType = eventTypes.compositionEnd) {
    if (useFallbackCompositionData) {
      // The current composition is stored statically and must not be overwritten while composition continues.
      if (currentComposition & & eventType === eventTypes.compositionStart) {
        currentComposition = FallbackCompositionState.getPooled(nativeEventTarget);
      } else if (eventType === eventTypes.compositionEnd) {
        if (currentComposition) {
          fallbackData = currentComposition.getData();
        }
      }
    }
    var event = SyntheticCompositionEvent.getPooled(eventType, targetInst, nativeEvent, nativeEventTarget);
    if (eventType = eventTypes.compositionStart) {
      currentComposition = FallbackCompositionState.getPooled(nativeEventTarget);
    } else if (eventType === eventTypes.compositionEnd) {
      if (currentComposition) {
        fallbackData = currentComposition.getData();
      }
    }
    var customData = getDataFromCustomEvent(nativeEvent);
    if (customData !== null) {
      event.data = fallbackData;
    } else {
      var customData = getDataFromCustomEvent(nativeEvent);
      if (customData !== null) {
        event.data = customData;
      }
    }
    EventPropagators.accumulateTwoPhaseDispatches(event);
    return event;
```
for \n * this key combination and no character is inserted into the \n * document, but FF fires the keypress for char code '100' anyway. \n * No `input` event will occur. \n \n * `which` is the pressed key code, but a command combination is \n * being used. Ex: 'Cmd+C'. No character is inserted, and no \n * `input` event will occur. \n \n * - `which` is the pressed key code, but a command combination is \n * being used. Ex: `Cmd+C`. No character is inserted, and no character is inserted into the document, but FF fires the keypress for char code '100' anyway. \n * No `input` event will occur. \n * `which` is the pressed key code, but a command combination is used. Ex: 'Cmd+C'. No character is inserted, and no `input` event will occur. \n * - `which` is the pressed key code, but a command combination is used. Ex: `Cmd+C`. No character is inserted, and no `input` event will occur. \n */

if (nativeEvent.which && !isKeypressCommand(nativeEvent)) {
  return String.fromCharCode(nativeEvent.which);
}

```
```
```
DOM/lib/FallbackCompositionState.js

// module id = 781
// module chunks = 0

var SyntheticEvent = require('./SyntheticEvent');

function SyntheticCompositionEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

module.exports = SyntheticCompositionEvent;


//////////////////
// WEBPACK FOOTER

// node_modules/react-dom/lib/SyntheticCompositionEvent.js
// module id = 782
// module chunks = 0

var SyntheticEvent = require('./SyntheticEvent');

function SyntheticInputEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

module.exports = SyntheticInputEvent;


//////////////////
// WEBPACK FOOTER

// node_modules/react-dom/lib/SyntheticInputEvent.js
// module id = 783
// module chunks = 0

var inputValueTracking = require('./inputValueTracking');
var getEventTarget = require('./getEventTarget');
var isEventSupported = require('./isEventSupported');
var isTextInputElement = require('./isTextInputElement');

var eventTypes = {
  change: {
    phasedRegistrationNames: {
      bubbled: 'onChange',
      captured: 'onChangeCapture'
    },
    dependencies: [
      'topBlur', 'topChange', 'topClick', 'topFocus',
      'topInput', 'topKeyDown', 'topKeyUp', 'topSelectionChange'
    ]
  }
};

function createAndAccumulateChangeEvent(inst, nativeEvent, target) {
  var event = SyntheticEvent.getPooled(eventTypes.change, inst, nativeEvent, target);

  // If change and propertychange bubbled, we'd just bind to it like all the
  // other events and have it go through
  // ReactBrowserEventEmitter. Since it
  // doesn't, we manually listen for the events and so we have to enqueue and
  // process the abstract event manually.

  // Batching is necessary here in order to ensure that all event handlers
  // run // before the next rerender (including event handlers attached to ancestor// elements instead of directly on
  // the input). Without this, controlled
  // components don't work properly in conjunction with event bubbling
because
  // the component is rerendered and the value reverted before all the event
  // handlers can run. See
  // https://github.com/facebook/react/issues/708
  ReactUpdates.batchedUpdates(runEventInBatch, event);
  EventPluginHub.enqueueEvents(event);
  EventPluginHub.processEventQueue(false);
  ReactUpdates.batchedUpdates(runEventInBatch, event);
}

function runEventInBatch(event) {
  EventPluginHub.enqueueEvents(event);
  EventPluginHub.processEventQueue(false);
}

function startWatchingForChangeEventIE8(target, targetInst) {
  var updated = inputValueTracking.updateValueIfChanged(targetInst);
  var simulating = nativeEvent.simulated === true && ChangeEventPlugin._allowSimulatedPassThrough;
  if (updated || simulating) {
    return targetInst;
  }
}

function handleEventsForChangeEventIE8(topLevelType, target, targetInst) {
  if (topLevelType === 'topChange') {
    return targetInst;
  }
}

function handleEventsForInputEventPolyfill(topLevelType, target, targetInst) {
  if (topLevelType === 'topFocus') {
    stopWatchingForValueChange();
    // stopWatching() should be a noop here but we call it just in case we
    // missed a blur event somehow.
    startWatchingForChangeEventIE8();
  }
}

/**
 * SECTION: handle `input` event
 */
var isInputEventSupported = false;
if (ExecutionEnvironment.canUseDOM) {
  // IE9 claims to support the input event but fails to trigger it when
  // deleting text, so we ignore its input events.
  isInputEventSupported = isEventSupported('input') && (!document.documentMode || document.documentMode > 9);
}

/**
 * (For IE <=9) Starts tracking propertychange events on the passed-in element
 * and override the value property so that we
 * can distinguish user events from
 * value changes in JS.
 */
function startWatchingForValueChange(target, targetInst) {
  activeElement = target;
  activeElementInst = targetInst;
  activeElement.attachEvent('onpropertychange', handlePropertyChange);
}

/**
 * (For IE <=9) Removes the event listeners from the currently-tracked element,
 * if any exists.
 */
function stopWatchingForValueChange() {
  if (!activeElement) {
    return;
  }
  activeElement.detachEvent('onpropertychange', handlePropertyChange);
  activeElementInst = null;
}

/**
 * (For IE <=9) Handles
 * a propertychange event, sending a `change` event if
 * the value of the active element has changed.
 */
function handlePropertyChange(nativeEvent) {
  if (nativeEvent.propertyName !== 'value') {
    return;
  }
  if (getInstIfValueChanged(activeElementInst, nativeEvent)) {
    manualDispatchChangeEvent(nativeEvent);
  }
}

function handleEventsForInputEventPolyfill(topLevelType, target, targetInst) {
  if (topLevelType === 'topFocus') {
    stopWatchingForValueChange();
    startWatchingForChangeEventIE8();
  } else if (topLevelType === 'topBlur') {
    return;
  }
}

/**
 * SECTION: handle `click` event
 */
function shouldUseClickEvent(elem) {
  // Use the `click` event to detect
changes to checkbox and radio inputs.

This approach works across all browsers, whereas 'change' does not fire

until 'blur' in IE8.

var nodeName = elem.nodeName;
return nodeName && elem.type === 'checkbox' || elem.type === 'radio';

getTargetInstForClickEvent(topLevelType, targetInst, nativeEvent) {
  if (topLevelType === 'topClick') {
    return inst;
  }
}

getTargetInstForInputChangeEvent(topLevelType, targetInst, nativeEvent) {
  if (topLevelType === 'topInput' ||
      topLevelType === 'topChange') {
    return inst;
  }
}

handleControlledInputBlur(inst, node) {
  // TODO: In IE, inst is occasionally null. Why?
  if (inst == null) {
    return;
  }

  var state = inst._wrapperState;

  if (!state || state.controlled || !inst.getAt('value')) {
    return;
  }

  var value = '' + node.value;
  if (node.getAttribute('value') !== value) {
    node.setAttribute('value', value);
  }
}

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 *
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 * LICENSE file in the root
 * directory of this source tree.
 */

'use strict';

var ReactOwner = require('./ReactOwner');

var ReactRef = {};

function attachRef(ref, component, owner) {
  if (typeof ref === 'function') {
    ref(component.getPublicInstance());
  } else {
    // Legacy ref
    ReactOwner.addComponentAsRefTo(component, ref, owner);
  }
}

function detachRef(ref, component, owner) {
  if (typeof ref === 'function') {
    ref(null);
  } else {
    // Legacy ref
    ReactOwner.removeComponentAsRefFrom(component, ref, owner);
  }
}

attachRef = function (ref, component, owner) {
  if (typeof ref === 'function') {
    ref(component.getPublicInstance());
  } else {
    // Legacy ref
    detachRef(ref, component, owner);
  }
}

attachRef = function (ref, component, owner) {
  if (typeof ref === 'function') {
    ref(null);
  } else {
    // Legacy ref
    detachRef(ref, component, owner);
  }
}

attachRef = function (ref, component, owner) {
  if (typeof ref === 'function') {
    ref(null);
  } else {
    // Legacy ref
    detachRef(ref, component, owner);
  }
}

attachRef = function (ref, component, owner) {
  if (typeof ref === 'function') {
    ref(null);
  } else {
    // Legacy ref
    detachRef(ref, component, owner);
  }
}
null
null if (prevElement !== null && typeof prevElement === 'object') {
  prevRef = prevElement.ref;
  prevOwner = prevElement._owner;
} null var nextRef = null; var nextOwner = null; if (nextElement !== null && typeof nextElement === 'object') {
  nextRef = nextElement.ref;
  nextOwner = nextElement._owner;
} return prevRef !== nextRef || // If owner changes but we have an unchanged function ref, don't update refs
  typeof nextRef === 'string' && nextOwner !== prevOwner;
};

ReactRef.detachRefs = function (instance, element) {
  if (element === null || typeof element !== 'object') {
    return;
  }
  var ref = element.ref;
  if (ref != null) {
    detachRef(ref, instance, element._owner);
  }
};

module.exports = ReactRef;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/ReactRef.js
// module id = 785
// module chunks = 0

import _prodInvariant from './reactProdInvariant';
import invariant from 'fbjs/lib/invariant';

/**
 * @param {?object} object
 * @return {boolean} True if `object` is a valid owner.
 * @final
 */
function isValidOwner(object) {
  return !!(object && typeof object.attachRef === 'function' && typeof object.detachRef === 'function');
}

/**
 * ReactOwners are capable of storing references to owned components.
 * All components are capable of //being// referenced by owner components, but *only* ReactOwner components are capable of //dereferencing// owned components.
 * The named reference is known as a \"ref\".
 * Refs are available when mounted and updated during reconciliation.
 * MyComponent = React.createClass({
 *   render: function() {
 *     return (
 *       <div onClick={this.handleClick}>
 *         <CustomComponent ref="custom" />
 *       </div>
 *     );
 *   },
 *   handleClick: function() {
 *     this.refs.custom.handleClick();
 *   },
 *   componentDidMount: function() {
 *     this.refs.custom.initialize();
 *   }
 * });
 *
 * Refs should rarely be used. When refs are used, they should only be done to control data that is not handled by React's data flow.
 * ReactOwner = {\n *   /**\n *   * Adds a component by ref to an owner component.
 *   * @param {ReactComponent} component Component to reference.
 *   * @param {string} ref Name of the ref to add.
 *   * @param {ReactOwner} owner Component on which the ref is recorded.
 *   * @final
 *   */
 *   addComponentAsRefTo: function (component, ref, owner) {
 *     owner.addComponentAsRefTo(component, ref, owner);
 *   },
 *   removeComponentAsRefFrom: function (component, ref, owner) {
 *     owner.removeComponentAsRefFrom(component, ref, owner);
 *   }
 * });
 *
 * Only a ReactOwner can have refs. You might be adding a ref to a component that was not created inside a component's `render` method, or you have multiple copies of React loaded (details: https://fb.me/react-refs-must-have-owner).
autoFocus: HAS_BOOLEAN_VALUE,
autoPlay: HAS_BOOLEAN_VALUE,
capture: MUST_USE_PROPERTY | HAS_BOOLEAN_VALUE,
cite: 0, className: 0, cols: HAS_POSITIVE_NUMERIC_VALUE,
colsSize: 0, content: 0, contentEditable: 0, contextMenu: 0, controls: HAS_BOOLEAN_VALUE, controlsList: 0, coords: 0, crossOrigin: 0, data: 0, // For `object` /> acts as `src`.
dateTime: 0, 'default': HAS_BOOLEAN_VALUE, defer: HAS_BOOLEAN_VALUE,
dir: 0, disabled: HAS_BOOLEAN_VALUE, download: HAS_OVERLOADED_BOOLEAN_VALUE, draggable: 0, enctype: 0, form: 0, formAction: 0, formEncType: 0, formMethod: 0, formNoValidate: HAS_BOOLEAN_VALUE, formTarget: 0, frameborder: 0, headers: 0, height: 0, hidden: HAS_BOOLEAN_VALUE, high: 0, href: 0, hrefLang: 0, htmlFor: 0, httpEquiv: 0, icon: 0, id: 0, inputMode: 0, integrity: 0, is: 0, keyParams: 0, keyType: 0, kind: 0, label: 0, lang: 0, list: 0, loop: HAS_BOOLEAN_VALUE, low: 0, manifest: 0, marginHeight: 0, marginWidth: 0, max: 0, maxLength: 0, media: 0, mediaGroup: 0, method: 0, min: 0, minLength: 0, // Caution; "option.selected" is not updated if select.multiple is disabled with 'removeAttribute', multiple: MUST_USE_PROPERTY | HAS_BOOLEAN_VALUE, muted: MUST_USE_PROPERTY | HAS_BOOLEAN_VALUE, name: 0, nonce: 0, noValidate: HAS_BOOLEAN_VALUE, open: HAS_BOOLEAN_VALUE, optimum: 0, pattern: 0, placeholder: 0, playsInline: HAS_BOOLEAN_VALUE, poster: 0, preload: 0, profile: 0, radioGroup: 0, readOnly: HAS_BOOLEAN_VALUE, role: 0, rows: HAS_POSITIVE_NUMERIC_VALUE, rowSpan: HAS_NUMERIC_VALUE, sandbox: 0, scope: 0, scoped: HAS_BOOLEAN_VALUE, scrolling: 0, seamless: HAS_BOOLEAN_VALUE, selected: MUST_USE_PROPERTY | HAS_BOOLEAN_VALUE, shape: 0, size: HAS_POSITIVE_NUMERIC_VALUE, sizes: 0, span: HAS_POSITIVE_NUMERIC_VALUE, spellCheck: 0, src: 0, srcDoc: 0, srcLang: 0, srcSet: 0, start: HAS_NUMERIC_VALUE, step: 0, style: 0, summary: 0, tabindex: 0, target: 0, title: 0, // Setting .type throws on non-<input> tags\n type: 0, useMap: 0, value: 0, width: 0, wmode: 0, wrap: 0, **\n * RDFa Properties\n * An about: 0, datatype: 0, inlist: 0, inprefix: 0, // property is also supported for OpenGraph in meta tags,\n property: 0, resource: 0, typeof: 0, vocab: 0, **\n * Non-standard Properties\n * /autoCapitalize and autoCorrect are supported in Mobile\n Safari for\n // keyboard hints\n autoCapitalize: 0, autoCorrect: 0, // autoSave allows WebKit/Blink to\n persist values of input fields on page reloads\n autoSave: 0, // color is for Safari mask-icon link\n color: 0, // itemProp, itemScope, itemType are for\n // Microdata support. See http://schema.org/docs/gs.html\n itemProp: 0, // itemScope and itemRef are for Microdata support\n as well but only specified in the WHATWG spec document. See\n // https://html.spec.whatwg.org/multipage/microdata.html#microdata-dom-ap\n itemID: 0, // results show looking glass icon and recent searches on input\n // search fields in WebKit/Blink\n results: 0, // IE-only attribute that specifies security restrictions on an iframe\n // as an alternative to the sandbox attribute on\n IE\n security: 0, // IE-only attribute that controls focus behavior\n unselectable: 0, 

DOMAttributeNames: {
  acceptCharset: 'accept-charset',
  className: 'class',
  htmlFor: 'for',
  httpEquiv: 'http-equiv',
}

DOMPropertyNames: {}

DOMMutationMethods: {
  value: function (node, value) {
    if (value == null) {
      return node.removeAttribute('value');
    }
  }
}

Number inputs get special treatment due to some edge cases in
// Chrome. Let everything else assign the value attribute as normal.
// https://github.com/facebook/react/issues/7253#issuecomment-236074326
if (node.type !== 'number')
  node.removeAttributeNode('value');
else if (node.validity &
  node.validity.badInput & &
  node.ownerDocument.activeElement !== node)
  // Don't assign an attribute if validation reports bad
  // input. Chrome will clear the value. Additionally, don't
  // operate on inputs that have focus, otherwise Chrome might
  // strip off trailing decimal places and cause the user's
  // cursor

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position to jump to the beginning of the input.

// In ReactDOMInput, we have an onBlur event that will trigger
// this function again when focus is lost.
node.setAttribute('value', '' + value);
}

module.exports = HTMLDOMPropertyConfig;


//////////////////
// WEBPACK FOOTER
// module id = 789
// module chunks = 0

/**
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 *
 */

'use strict';

var DOMChildrenOperations = require('./DOMChildrenOperations');
var ReactDOMIDOperations = require('./ReactDOMIDOperations');

/**
 * Abstracts away all functionality of the reconciler that requires knowledge of
 * the browser context. TODO: These callers should be refactored to avoid the
 * need for this injection.
 */
var ReactComponentBrowserEnvironment = {
  processChildrenUpdates: ReactDOMIDOperations.dangerouslyProcessChildrenUpdates,

  replaceNodeWithMarkup: DOMChildrenOperations.dangerouslyReplaceNodeWithMarkup
};

module.exports = ReactComponentBrowserEnvironment;


//////////////////
// WEBPACK FOOTER
// module id = 789
// module chunks = 0

/**
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 *
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

var DOMLazyTree = require('./DOMLazyTree');
var ExecutionEnvironment = require('fbjs/lib/ExecutionEnvironment');

var createNodesFromMarkup = require('fbjs/lib/createNodesFromMarkup');
var emptyFunction = require('fbjs/lib/emptyFunction');
var invariant = require('fbjs/lib/invariant');

var Danger = {
  /**
   * Replaces a node with a string of markup at its current
   * position within its parent. The markup must render into a single root node.
   *
   * @param {DOMElement} oldChild Child node to replace.
   * @param {string} markup Markup to render in place of the child node.
   *
   * @internal
   */
  dangerouslyReplaceNodeWithMarkup: function (oldChild, markup) {
    var oldChildNodeName = oldChild.nodeName;
      
    if (oldChildNodeName !== 'HTML') {
      process.env.NODE_ENV !== 'production' ? invariant(false, 'dangerouslyReplaceNodeWithMarkup(...): Cannot replace markup of the <html> node. This is because browser quirks make this unreliable and/or slow. If you want to render to the root you must use server rendering. See ReactDOMServer.renderToString().') : _prodInvariant('58') ;
      
      oldChildParentNode.replaceNodeMarkup = oldChildNodeName !== 'HTML' ? function (newChild) {
        newChild.parentNode.replaceChild(newChild, oldChild);
      } : emptyFunction;
      
      if (oldChildNodeName === 'HTML') {
        process.env.NODE_ENV !== 'production' ? invariant(false, 'dangerouslyReplaceNodeWithMarkup(...): Missing markup.') : _prodInvariant('57') ;
        
        
        if (typeof markup === 'string') {
          var newChild = createNodesFromMarkup(markup, emptyFunction)[0];
          oldChildParentNode.replaceNodeMarkup = newChild.parentNode.replaceChild(newChild, oldChild);
        } else {
          DOMLazyTree.replaceChildWithTree(oldChild, markup);
        }
      }
    }
  }
};

module.exports = Danger;
function createNodesFromMarkup(markup, handleScript) {
  var node = dummyNode;
  if (wrap) {
    node.innerHTML = wrap[1] + markup + wrap[2];
    while (wrapDepth--) {
      node = node.lastChild;
    }
  } else {
    node.innerHTML = markup;
  }

  var scripts = node.getElementsByTagName('script');
  if (scripts.length) {
    invariant(false, 'createNodesFromMarkup(...): Unexpected <script> element rendered.');
    createArrayFromMixed(scripts).forEach(handleScript);
  }

  var nodes = Array.from(node.childNodes);
  while (node.lastChild) {
    node.removeChild(node.lastChild);
  }
  return nodes;
}

module.exports = createNodesFromMarkup;


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 *
 * @typechecks
 */

var invariant = require('./invariant');

/**
 * Convert array-like objects to arrays.
 *
 * This API assumes the caller knows the contents of the data type. For less
 * well defined inputs use createArrayFromMixed.
 *
 * @param {object|function|filelist} obj
 * @return {array}
 */
function toArray(obj) {
  var length = obj.length;

  // Some browsers builtin objects can report typeof 'function' (e.g. NodeList
  // in old versions of Safari).
  !(!Array.isArray(obj) && (typeof obj === 'object' || typeof obj === 'function')) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'toArray: Array-like object expected') : invariant(false) : void 0;

  !(typeof length === 'number') ? process.env.NODE_ENV !== 'production' ? invariant(false, 'toArray: Object needs a length property') : invariant(false) : void 0;

  !(length === 0 || length - 1 in obj) ? process.env.NODE_ENV !== 'production' ? invariant(false, 'toArray: Object should have keys for indices') : invariant(false) : void 0;

  !(typeof obj.callee !== 'function') ? process.env.NODE_ENV !== 'production' ? invariant(false, 'toArray: Object can\'t have a `callee` property. Use rest params `function(\...args) { ... })` or Array.from() instead.') : invariant(false) : void 0;

  // Old IE doesn't give collections access to hasOwnProperty. Assume inputs
  // without method will throw during the slice call and skip straight to the
  // fallback if (obj.hasOwnProperty) {
  //   return Array.prototype.slice.call(obj);
  // } catch (e) {
  //   return;
  // }
  // IE < 9 does not support Array#slice on collections objects
  // 
  // Fall back to copying key by key. This assumes all keys have a value,
  // so will not preserve sparsely populated inputs.
  // 
  // a real array
  var ret = Array(length);
  for (var i = 0; i < length; i++) {
    ret[i] = obj[i];
  }

  // quacks like an array
  // 'length' in obj &
  // not window
  (!('setInterval' in obj) &&
  // no DOM node should be considered an array-like
  // a 'select' element has 'length'
  // and 'item' properties on IE8+
  typeof obj.callee == 'function') &
  // a real array
  // Array isArray(obj)
  // arguments
  // a real array
  // Array.isArray(obj)
  
  perform a heuristic test to determine if an object is "array-like":
  
  A monk asked Joshu, a Zen master, "\"Has a dog Buddha nature?\"".

  Joshu replied: "Mu." 
  * This function determines if its argument has 'array nature': it returns
  * true if the argument is an actual array, an 'arguments' object, or an
  * HTMLCollection (e.g. node.childNodes or node.getElementsByTagName() )
  * It will return false for other array-like objects like FileList.

  It * in * @param {object} obj * @return {boolean} in * function hasOwnProperty(obj)
  * return (not null/false) &
  * arrays are objects, NodeLists are functions in Safari
  * typeof obj == 'object' &
  * quacks like an array

  Ensure that the argument is an array by wrapping it in an array if it is not.
  Creates a copy of the argument if it is already an array.
  * This is mostly useful idiomatically:

  If you need to convert an array-like object, like 'arguments', into an array
  * use toArray

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instead.

```javascript
function createArrayFromMixed(obj) {
  if (!hasArrayNature(obj)) {
    return [obj];
  } else if (Array.isArray(obj)) {
    return obj.slice();
  } else {
    return toArray(obj);
  }
}

module.exports = createArrayFromMixed;
```

```javascript
/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 */

/*eslint-disable fb-www/unsafe-html */

'use strict';

var ExecutionEnvironment = require('./ExecutionEnvironment');

var invariant = require('./invariant');

/**
 * Dummy container used to detect which wraps are necessary.
 */
var dummyNode = ExecutionEnvironment.canUseDOM ? document.createElement('div') : null;

/**
 * In IE8, certain elements cannot render alone, so wrap all elements (*). In
 * Some browsers cannot use 'innerHTML' to render certain elements standalone,
 * so we wrap them, render the wrapped nodes, then extract
 * desired node.
 */

var shouldWrap = {};

var selectWrap = [1, '<select multiple="true">', '</select>'];
var tableWrap = [1, '<table>', '</table>'];
var trWrap = [3, '<table><tbody><tr>', '</tr></tbody></table>'];

var svgWrap = [1, '<svg xmlns="http://www.w3.org/2000/svg">', '</svg>'];

var markupWrap = {
  '*': [1, '?<div>', '</div>'],
  'area': selectWrap,
  'col': tableWrap,
  'legend': tableWrap,
  'optgroup': selectWrap,
  'option': selectWrap,
  'caption': tableWrap,
  'colgroup': tableWrap,
  'tbody': tableWrap,
  'thead': tableWrap,
  'th': tableWrap
};

// Initialize the SVG elements since we know they
// all need to be wrapped
// consistently. If they are created inside a <div> they
// will be initialized in another namespace (and will not display).

var svgElements = ['circle', 'clipPath', 'defs', 'ellipse', 'g', 'image', 'line', 'linearGradient', 'mask', 'path', 'polygon', 'polyline', 'radialGradient', 'rect', 'stop', 'text', 'span'];
svgElements.forEach(function (nodeName) {
  markupWrap[nodeName] = svgWrap;
  shouldWrap[nodeName] = true;
});

```

```
topRateChange: 'ratechange',
  topSeeked: 'seeked',
  topSeeking: 'seeking',
  topStalled: 'stalled',
  topSuspends: 'suspend',
  topTimeUpdate: 'timeupdate',
  topVolumeChange: 'volumechange',
  topWaiting: 'waiting',
};

function trackInputValue() {
  inputValueTracking.track(this);
}

function trapBubbledEventsLocal() {
  var inst = this;
  // If a component renders to null or if another component fatals and
  // the state of the tree to be corrupted, `node` here can be null.
  !inst._rootNodeID ?
    process.env.NODE_ENV !== 'production' ? invariant(false, 'Must be mounted to trap events') : _prodInvariant('63') : void 0;
  var node = getNode(inst);
  !node ? process.env.NODE_ENV !== 'production' ? invariant(false, 'trapBubbledEvent(...): Requires node to be rendered.') : _prodInvariant('64') : void 0;

  switch (inst._tag) {
    case 'iframe':
      case 'object':
        inst._wrapperState.listeners =
        [ReactBrowserEventEmitter.trapBubbledEvent('topLoad', 'load', node)];
        break;
    case 'video':
    case 'audio':
      inst._wrapperState.listeners = [];
      // Create listener for each media event
      for (var event in mediaEvents) {
        if (mediaEvents.hasOwnProperty(event)) {
          inst._wrapperState.listeners.push(ReactBrowserEventEmitter.trapBubbledEvent(event, mediaEvents[event], node));
        }
      }
      break;
    case 'source':
      inst._wrapperState.listeners = [ReactBrowserEventEmitter.trapBubbledEvent('topError', 'error', node)];
      break;
    case 'img':
    case 'form':
    case 'input':
    case 'select':
    case 'textarea':
      inst._wrapperState.listeners = [ReactBrowserEventEmitter.trapBubbledEvent('topInvalid', 'invalid', node)];
      break;
    default:
      break;
  }
}

function postUpdateSelectWrapper() {
  ReactDOMSelect.postUpdateWrapper(this);
}

// For HTML, certain tags
// should omit their close tag. We keep a whitelist for
// those special-case tags.

var omittedCloseTags = {
  area: true,
  base: true,
  br: true,
  col: true,
  embed: true,
  hr: true,
  img: true,
  input: true,
  keygen: true,
  link: true,
  meta: true,
  param: true,
  source: true,
  track: true,
  wbr: true
} // NOTE: menuitem's close tag

var newlineEatingTags = {
  listing: true,
  pre: true,
  textarea: true
};

// For HTML, certain tags cannot have children. This has the same purpose as
// `voidElementTags` except that `menuitem` should still have its closing tag,
// which causes problems.

var voidElementTags = _assign({
  menuitem: true
}, omittedCloseTags);

// We accept any tag to be rendered but since this gets injected into
// arbitrary HTML, we want to make sure that it's a safe tag,
// http://www.w3.org/TR/REC-xml/#NT-Name

var VALID_TAG_REGEX = /^[a-zA-Z][a-zA-Z:_\.\-\d]*$/; // Simplified subset

var validatedTagCache = {};
var hasOwnProperty = {}.hasOwnProperty;

function validateDangerousTag(tag) {
  if (!hasOwnProperty.call(validatedTagCache, tag)) {
    !VALID_TAG_REGEX.test(tag) ?
      process.env.NODE_ENV !== 'production' ? invariant(false, 'Invalid tag: %s', tag) : _prodInvariant('65', tag) : void 0;
    validatedTagCache[tag] = true;
  }
}

function isCustomComponent(tagName, props) {
  return
  tagName.indexOf('-') >= 0 || props.is != null;
}

var globalIdCounter = 1;

/**
 * Creates a new React class
 * that is idempotent and capable of containing other
 * React components. It accepts event listeners and DOM
 * properties that are valid according to `DOMProperty`.
 *
 * - Event listeners: `onClick`, `onMouseDown`,
 * etc.
 * - DOM properties: `className`, `name`, `title`, etc.
 * - Generates root tag markup then recurse.
 */
function ReactDOMComponent(element) {
  this._currentElement = element;
  this._tag = element.type;
  validateDangerousTag(element.type); // CLASS_NAME

  this._lastSetStyleCopy = null;
  this._previousStyle = null;
  this._flags = 0;
  if (process.env.NODE_ENV !== 'production') {
    this._ancestorInfo = null;
    setAndValidateContentChildDev.call(this, null);
  }
}

ReactDOMComponent.Mixin = {

  **
 * Generates root tag markup then recurse.
 */
This method has side effects and is not idempotent.

```javascript
function mountComponent(transaction, hostParent, hostContainerInfo, context) {
  var props = this._currentElement.props;

  switch (this._tag) {
    case 'audio':
    case 'form':
    case 'iframe':
    case 'img':
    case 'link':
    case 'object':
    case 'source':
    case 'video':
      this._wrapperState = {
        listeners: null
      };
      transaction.getReactMountReady().enqueue(trapBubbledEventsLocal, this);
      break;
    case 'input':
      ReactDOMInput.mountWrapper(this, props, hostParent);
      props = ReactDOMInput.getHostProps(this, props);
      transaction.getReactMountReady().enqueue(trackInputValue, this);
      transaction.getReactMountReady().enqueue(trapBubbledEventsLocal, this);
      break;
    case 'option':
      ReactDOMOption.mountWrapper(this, props, hostParent);
      props = ReactDOMOption.getHostProps(this, props);
      transaction.getReactMountReady().enqueue(trapBubbledEventsLocal, this);
      break;
    case 'select':
      ReactDOMSelect.mountWrapper(this, props, hostParent);
      props = ReactDOMSelect.getHostProps(this, props);
      transaction.getReactMountReady().enqueue(trapBubbledEventsLocal, this);
      break;
    case 'textarea':
      ReactDOMTextarea.mountWrapper(this, props, hostParent);
      props = ReactDOMTextarea.getHostProps(this, props);
      transaction.getReactMountReady().enqueue(trackInputValue, this);
      transaction.getReactMountReady().enqueue(trapBubbledEventsLocal, this);
      break;
  }

  assertValidProps(this, props);

  // We create tags in the namespace of their parent container, except HTML
  var namespaceURI = null;
  var parentTag = null;
  if (hostParent != null) {
    namespaceURI = hostParent._namespaceURI;
    parentTag = hostParent._tag;
  } else if (hostContainerInfo._tag) {
    if (hostContainerInfo._namespaceURI == null ||
        namespaceURI === DOMNamespaces.svg &&
        parentTag === 'foreignobject') {
      namespaceURI = DOMNamespaces.html;
    } else if (namespaceURI === DOMNamespaces.html) {
      if (this._tag === 'svg') {
        namespaceURI = DOMNamespaces.svg;
      } else if (this._tag === 'math') {
        namespaceURI = DOMNamespaces.mathml;
      }
    } else if (namespaceURI == null ||
               namespaceURI === DOMNamespaces.svg &&
               parentTag === 'foreignobject') {
      namespaceURI = DOMNamespaces.html;
    } else if (namespaceURI === DOMNamespaces.html) {
      if (namespaceURI == null ||
          namespaceURI !== DOMNamespaces.svg) {
        this._wrapperState = {
          listeners: null
        };
      } else if (this._tag === 'svg') {
        namespaceURI = DOMNamespaces.svg;
      } else if (this._tag === 'math') {
        namespaceURI = DOMNamespaces.mathml;
      }
    } else if (namespaceURI == null ||
               namespaceURI !== DOMNamespaces.svg) {
      this._wrapperState = {
        listeners: null
      };
    } else if (this._tag === 'script') {
      // Create the script via .innerHTML so its 'parser-inserted' flag is
      // set to true and it does not execute
      var ownerDocument = document.createElement('div');
      var type = this._tag;
      var div = ownerDocument.createElement(type);
      div.innerHTML = '<' + type + ' />
      else if (props.is) {
        el = ownerDocument.createElement(type, props.is);
      } else {
        // Separate else branch instead of using `props.is || undefined` above becuase of a Firefox bug.
        See discussion in https://github.com/facebook/react/pull/6896
        and discussion in
        https://bugzilla.mozilla.org/show_bug.cgi?id=1276240
        ReactDOMComponentTree.precacheNode(this, el);
      }
      if (!this._hostParent) {
        DOMPropertyOperations.setAttributeForRoot(el);
      }
      this._updateDOMProperties(null, props, transaction);
  }
```
this._createInitialChildren(transaction, props, context, lazyTree); mountImage = lazyTree;  
 } else { 
 var tagOpen = this._createOpenTagMarkupAndPutListeners(transaction, props); 
 var tagContent = this._createContentMarkup(transaction, props, context); 
 if (!tagContent & & & & omittedCloseTags[this._tag]) { 
 mountImage = tagOpen + '/>' || 
 } else { 
 mountImage = tagOpen + ' ' + tagContent + '</' + 
 this.currentElement.type + ' ';
  }

 var switch (this._tag) {
 if (transaction.getReactMountReady().enqueue(inputPostMount, this)); 
 if (props.autoFocus) { 
 transaction.getReactMountReady().enqueue(AutoFocusUtils.focusDOMComponent, this)); 
 break;

 case 'textarea':
 transaction.getReactMountReady().enqueue textareaPostMount, this)); 
 break;

 case 'select':
 if (props.autoFocus) {
 transaction.getReactMountReady().enqueue(AutoFocusUtils.focusDOMComponent, this)); 
 break;

 case 'button':
 if (props.autoFocus) {
 transaction.getReactMountReady().enqueue(AutoFocusUtils.focusDOMComponent, this)); 
 break;

 case 'option':
 case 'select':
 if (props.autoFocus) {
 transaction.getReactMountReady().enqueue(AutoFocusUtils.focusDOMComponent, this)); 
 break;

 transaction.getReactMountReady().enqueue(AutoFocusUtils.focusDOMComponent, this)); 
 break;

 case 'option':
 transaction.getReactMountReady().enqueue(optionPostMount, this)); 
 break;

 return mountImage;
 },

 /**
 * Creates markup for the open tag and all attributes.
 *
 * This method has side effects because events get registered. * iterating over object properties is faster than iterating over 
 * arrays. @see http://jsperf.com/obj-vs-arr-iteration * @param {object} props
 * @return {string} Markup of opening tag.
 * @private
 * @param {ReactReconcileTransaction} transaction
 * @param {object} props
 */
 _createOpenTagMarkupAndPutListeners: function (transaction, props) {
 var ret = '<' + this._currentElement.type;

 for (var propKey in props) {
 if (!props.hasOwnProperty(propKey)) {
 continue;
 }
 var propValue = props[propKey];
 if (propValue == null) {
 continue;
 }
 if (registrationNameModules.hasOwnProperty(propKey)) {
 if (propValue) {
 enqueuePutListener(this, propKey, propValue, transaction);
 }
 } else {
 if (propKey != STYLE) {
 if (propValue) {
 if (process.env.NODE_ENV !== 'production') {
 // See `_updateDOMProperties`. style block
 this._previousStyle = propValue;
 }
 propValue = this._previousStyleCopy = _assign({}, props.style);
 }
 propValue = DOMPropertyOperations.createMarkupForStyles(propValue, this);
 }
 var markup = null;
 if (this._tag != null && isCustomComponent(this._tag, props)) {
 if (!RESERVED_PROPS.hasOwnProperty(propKey)) {
 return = DOMPropertyOperations.createMarkupForCustomAttribute(propKey, propValue);
 }
 else {
 var markup = DOMPropertyOperations.createMarkupForProperty(propKey, propValue);
 }
 } else if (TransactionalComponent || TransactionalComponent) {
 transaction = 
 @param {object} props
 * @return {string} Markup of opening tag.
 */
 _createOpenTagMarkupAndPutListeners: function (transaction, props) {
 var ret = '<' + this._currentElement.type;

 for (var propKey in props) {
 if (!props.hasOwnProperty(propKey)) {
 continue;
 }
 var propValue = props[propKey];
 if (propValue == null) {
 continue;
 }
 if (registrationNameModules.hasOwnProperty(propKey)) {
 if (propValue) {
 enqueuePutListener(this, propKey, propValue, transaction);
 }
 } else if (propKey == STYLE) {
 if (propValue) {
 if (process.env.NODE_ENV !== 'production') {
 // See `_updateDOMProperties`. style block
 this._previousStyle = propValue;
 }
 propValue = this._previousStyleCopy = _assign({}, props.style);
 }
 var markup = null;
 if (this._tag != null & & isCustomComponent(this._tag, props)) {
 if (!RESERVED_PROPS.hasOwnProperty(propKey)) {
 return = DOMPropertyOperations.createMarkupForCustomAttribute(propKey, propValue);
 }
 else {
 var markup = DOMPropertyOperations.createMarkupForProperty(propKey, propValue);
 }
 } else if (TransactionalComponent) {
 return = DOMPropertyOperations.createMarkupForProperty(propKey, this._domID);
 return ret;

 if (newlineEatingTags[this._tag] & & charAt(0) === '');
 return html ignores the first character in 
 these tags if it's in a newline
 // Prefer to break application/xml over text/html (for now) by adding
 // a
newline specifically to get eaten by the parser. (Alternately for\n // textarea, replacing \"\" with \"\r\n\" doesn't get eaten, and the first\n // \r is normalized out by HTMLTextAreaElement#value.) // See:
<http://www.w3.org/TR/html-polyglot/#newlines-in-textarea-and-pre> // See:
<http://www.w3.org/TR/html5/syntax.html#element-restrictions>

// See: Parsing of \"textarea\" \"listing\" and \"pre\" elements\n // from <http://www.w3.org/TR/html5/syntax.html#parsing-main-inbody>
return 'n' + ret;

else {
  return ret;
}

},

  _createInitialChildren: function (transaction, props, context, lazyTree) {
    // Intentional use of != to avoid catching zero/false.
    var innerHTML = props.dangerouslySetInnerHTML;
    if (innerHTML != null) {
      if (innerHTML.__html != null) {
        DOMLazyTree.queueHTML(lazyTree,
        innerHTML.__html);
      }
    } else {
      var contentToUse = CONTENT_TYPES[typeof props.children]

      if (props.children == null) {
        var contentToUse = contentToUse !== null ? null : props.children;
        // TODO: Validate that text is allowed as a child of this node
        if (contentToUse !== null) {
          // Avoid setting
textContent when the text is empty. In IE11 setting
          // textContent on a textarea will cause the placeholder to
          // show within the textarea until it has been focused and blurred again.
          // https://github.com/facebook/react/issues/6731#issuecomment-254874553
          if (process.env.NODE_ENV !== 'production') {
            setAndValidateContentChildDev.call(this, contentToUse);
          }
          DOMLazyTree.queueText(lazyTree, contentToUse);
        }
      } else if (childrenToUse != null) {
        var mountImages = this.mountChildren(childrenToUse, transaction, context);
        for (var i = 0; i <
        mountImages.length; i++) {
          DOMLazyTree.queueChild(lazyTree, mountImages[i]);
        }
      }
    }
  },

  /**
   * Receives a next element and updates the component.
   *
   * @internal
   * @param {ReactElement} nextElement
   * @param {ReactReconcileTransaction|ReactServerRenderingTransaction}
   * @param {object} context
   */
  receiveComponent: function (nextElement, transaction, context)
  {
    var prevElement = this._currentElement;

    this.updateComponent(transaction, prevElement, nextElement, context);
  },

  /**
   * Updates a DOM
   * component after it has already been allocated and
   * attached to the DOM. Reconciles the root DOM node, then
   * recurses.
   * @param {ReactReconcileTransaction} transaction
   * @param {ReactElement} prevElement
   * @param {ReactElement} nextElement
   * @internal
   * @overridable
   */
  updateComponent: function (transaction, prevElement, nextElement, context) {
    var lastProps = prevElement.props;
    var nextProps = this._currentElement.props;

    switch (this._tag) {
      case 'input':
        lastProps = ReactDOMInput.getHostProps(this, lastProps);
        nextProps = ReactDOMInput.getHostProps(this, nextProps);
        break;
      case 'option':
        lastProps = ReactDOMOption.getHostProps(this, lastProps);
        nextProps = ReactDOMOption.getHostProps(this, nextProps);
        break;
      case 'select':
        lastProps = ReactDOMSelect.getHostProps(this, lastProps);
        nextProps = ReactDOMSelect.getHostProps(this, nextProps);
        break;
      case 'textarea':
        lastProps = ReactDOMTextarea.getHostProps(this, lastProps);
        nextProps = ReactDOMTextarea.getHostProps(this, nextProps);
        break;
    }

    assertValidProps(this, nextProps);
    this._updateDOMProperties(lastProps, nextProps, transaction);
    this._updateDOMChildren(lastProps, nextProps, transaction, context);
    switch (this._tag) {
      case 'input':
        // Update the wrapper around inputs *after* updating props. This has to
        // happen after
        // _updateDOMProperties'. Otherwise HTML5 input validations
        // raise warnings and prevent the new value from being assigned.
        ReactDOMInput.updateWrapper(this);
        break;
      case 'select':
        ReactDOMSelect.updateWrapper(this);
        break;
      case 'textarea':
        ReactDOMTextarea.updateWrapper(this);
        break;
    }
  },

  /**
   * Reconciles the properties by detecting differences in property values and
   * updating the DOM as necessary. This
   * function is probably the single most
   * critical path for performance optimization.
   * *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n *n
   * improves performance (especially statically
positioned elements).

* TODO: Benchmark the effects of putting this at the top since 99% of props do not change for a given reconciliation.
* TODO: Benchmark areas that can be improved with caching.

* @private
* @param {object} lastProps
* @param {object} nextProps
* @param {?DOMElement} node
* @returns {void}

* _updateDOMProperties: function (lastProps, nextProps, transaction) {
  var propKey;
  var styleName;

  var styleUpdates;

  for (propKey in lastProps) {
    if (nextProps.hasOwnProperty(propKey) || lastProps[propKey] == null) {
      continue;
    }
    if (propKey === STYLE) {
      var lastStyle = this._previousStyleCopy;
      for (styleName in lastStyle) {
        if (lastStyle.hasOwnProperty(styleName)) {
          styleUpdates = styleUpdates || {};
          styleUpdates[styleName] = ''; 
        }
      }
      this._previousStyleCopy = null;
    } else if (registrationNameModules.hasOwnProperty(propKey)) {
      if (lastProps[propKey]) {
        // Only call deleteListener if there was a listener previously or in else willDeleteListener gets called when there wasn't actually a listener (e.g., onClick={null})
        deleteListener(this, propKey);
      }
    }
  }
  for (propKey in nextProps) {
    var nextProp = nextProps[propKey];
    var lastProp = propKey === STYLE ? this._previousStyleCopy : lastProps != null ? lastProps[propKey] : undefined;

    if (propKey === STYLE) {
      if (nextProp) {
        if (process.env.NODE_ENV !== 'production') {
          checkAndWarnForMutatedStyle(this._previousStyleCopy, this._previousStyle, this);
        }
        this._previousStyle = nextProp;
        this._previousStyleCopy = nextProp;
        this._previousStyleCopy = assign({}, nextProp);
      } else {
        this._previousStyleCopy = null;
      }
      if (lastProp) {
        // Unset styles on `lastProp` but not on `nextProp`.
        for (styleName in lastProp) {
          if (lastProp.hasOwnProperty(styleName) && (!nextProp || !nextProp.hasOwnProperty(styleName))) {
            styleUpdates = styleUpdates || {};
            styleUpdates[styleName] = ''; 
          }
        }
        // Update styles that changed since `lastProp`.
        for (styleName in nextProp) {
          if (nextProp.hasOwnProperty(styleName) && lastProp[styleName] !== nextProp[styleName]) {
            styleUpdates = styleUpdates || {};
            styleUpdates[styleName] = nextProp[styleName];
          }
        }
      } else if (isCustomComponent(this._tag, nextProps)) {  
        DOMPropertyOperations.setValueForAttribute(getNode(this), propKey);
      }
    } else if (DOMProperty.properties[propKey] || DOMProperty.isCustomAttribute(propKey)) {
      var node = getNode(this);
      // If we're updating to null or undefined, we should remove the property
      // from the DOM node instead of inadvertently setting to a string. This
      // brings us in line with the same behavior we have on initial render.
      if (nextProp != null) {
        DOMPropertyOperations.setValueForProperty(node, propKey, nextProps[propKey]);
      } else {
        DOMPropertyOperations.deleteValueForProperty(node, propKey);  
      }
    }
  }

  if (styleUpdates) {
    CSSPropertyOperations.setValueForStyles(getNode(this), styleUpdates, this);
  }
}

* @returns {void}

* _updateDOMChildren: function (lastProps, nextProps, transaction, context) {
  var lastContent = CONTENT_TYPES[typeof lastProps.children] ? lastProps.children : null;
  var nextContent = CONTENT_TYPES[typeof nextProps.children] ? nextProps.children : null;

  var lastHtml = lastProps.dangerouslySetInnerHTML && lastProps.dangerouslySetInnerHTML.__html;
  var nextHtml = nextProps.dangerouslySetInnerHTML && nextProps.dangerouslySetInnerHTML.__html;

  if (lastHtml == null) {
    // Note the use of `!==` which checks for null or undefined.
    var lastChildren = lastContent == null ? null :  

'cssFloat';
if (ExecutionEnvironment.canUseDOM) {
  var tempStyle = document.createElement('div').style;
  try {
    // IE8 throws "Invalid argument." if resetting shorthand style properties.
    tempStyle.font = '';
  } catch (e) {
    hasShorthandPropertyBug = true;
  }
}

if (document.documentElement.style.cssFloat === undefined) {
  // styleFloatAccess = 'styleFloat';
}

if (process.env.NODE_ENV !== 'production') {
  // 'msTransform' is correct, but the other prefixes should be capitalized
  var badVendoredStyleNamePattern = /^(?:webkit|moz)(A-Z)/;
  // style values shouldn't contain a semicolon
  var badStyleValueWithSemicolonPattern = /;\s*$/;
  // style values shouldn't contain a semicolon
  var badStyleValueIsNaN = function (name, value, owner) {
    if (typeof value === 'number' && isNaN(value)) {
      warnStyleValueIsNaN(name, value, owner);
    }
  };
  var warnValidStyle = function (name, value, component) {
    var owner;
    if (component) {
      owner = component._currentElement._owner;
    }
    if (name.indexOf('-') > -1) {
      warnHyphenatedStyleName(name, owner);
    } else if (badVendoredStyleNamePattern.test(name)) {
      warnBadVendoredStyleName(name, owner);
    } else if (badStyleValueWithSemicolonPattern.test(value)) {
      warnStyleValueWithSemicolon(name, value, owner);
    }
  };
  var createMarkupForStyles = function (styles, component) {
    var serialized = '';
    for (var styleName in styles) {
      if (!styles.hasOwnProperty(styleName)) {
        continue;
      }
      var isCustomProperty = styleName.indexOf('--') === 0;
      var styleValue = styles[styleName];
      if (process.env.NODE_ENV !== 'production') {
        if (!isCustomProperty) {
          warnValidStyle(styleName, styleValue, component);
        }
      }
      if (styleValue != null) {
        serialized += processStyleName(styleName) + ':' +
        dangerousStyleValue(styleName, styleValue, component, isCustomProperty) + ';
      }
    }
    return serialized
  };

  ReactInstrumentation.debugTool.onHostOperation({
    instanceID: component._debugID,
    type: 'update styles',
    payload: styles
  });
}

if (process.env.NODE_ENV !== 'production') {
  if (isCustomProperty) {
    warnValidStyle(styleName, styles[styleName], component);
  }
}

var styleValue = dangerousStyleValue(styleName, styles[styleName], component, isCustomProperty);

if (styleName === 'float' || styleName === 'cssFloat') {
  styleName = styleFloatAccessor;
}

if (isCustomProperty) {
  style.setProperty(styleName, styleValue);
} else if (styleValue) {
  style[styleName] = styleValue;
} else {
  var expansion = hasShorthandPropertyBug && CSSProperty.shorthandPropertyExpansions[styleName];
  if (expansion) {
    // Shorthand property that IE8 won't like unsetting, so unset each
    // component to placate it
    for (var individualStyleName in expansion) {
      style[individualStyleName] = '';
    }
  } else {
    style[styleName] = '';
  }
}

module.exports = CSSPropertyOperations;


//////////////////
// WEBPACK FOOTER
// module id = 798
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
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 * LICENSE file in the root directory of this source tree.
 *
 * @typechecks
 */

'use strict';

var camelize = require('./camelize');

var msPattern = /^-ms-/;

/**
 * Camelcases a hyphenated CSS property name, for example:
 *
 *   > camelizeStyleName('background-color')
 *   < "backgroundColor"
 *   > camelizeStyleName('-moz-transition')
 *   < "MozTransition"
 *   > camelizeStyleName('-ms-transition')
 *   < "msTransition"
 *
 * As Andi Smith suggests
 * (http://www.andismith.com/blog/2012/02/modernizr-prefixed/), an `-ms` prefix
 * is converted to lowercase `ms`. This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 * @param {string} string
 * @return {string}
 * @Deprecated
 */
function camelizeStyleName(string) {
  return camelize(string.replace(msPattern, 'ms-'));
}

module.exports = camelizeStyleName;


//////////////////
// WEBPACK FOOTER
// module id = 799
// module chunks = 0

/**
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 * LICENSE file in the root directory of this source tree.
 *
 * @typechecks
 */

'use strict';

var _hyphenPattern = /-([a-z])/g;

/**
 * Camelcases a hyphenated string, for example:
 *
 *   > camelize('background-color')
 *   < "backgroundColor"
 *
 * @param {string} string
 * @return {string}
 * @Deprecated
 */
function camelize(string) {
  return string.replace(_hyphenPattern, function (_, character) {
    return character.toUpperCase();
  });
}

module.exports = camelize;


//////////////////
// WEBPACK FOOTER
// module id = 800
// module chunks = 0

/**
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 * LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var CSSProperty = require('./CSSProperty');
var warning = require('fbjs/lib/warning');

var isUnitlessNumber = CSSProperty.isUnitlessNumber;
var styleWarnings = {};

/**
 * Convert a value into the proper css writable value. The style name `name`
 * should be logical (no hyphens), as specified
 * in `CSSProperty.isUnitlessNumber`.
 *
 * @param {string} name CSS property name such as `topMargin`.
 * @param {*} value CSS property value such as `10px`.
 * @param {ReactDOMComponent} component
 * @return {string} Normalized style value with dimensions applied.
 */
function dangerousStyleValue(name, value, component, isCustomProperty) {
  // Note that we've removed escapeTextForBrowser() calls here since the
  // whole string will be escaped when the attribute is injected into
  // the markup. If you provide unsafe user data here they can inject
  // arbitrary CSS which may be problematic (I couldn't repro this).
  // https://www.owasp.org/index.php/XSS_Filter_Evasion_Cheat_Sheet
  // This is not an XSS hole but instead a potential CSS injection issue
  // which has lead to a greater discussion about how we're going to
  // trust URLs moving forward. See #2115901
  var isEmpty = value == null || typeof value === 'boolean' || value === '';
  if (isEmpty) {
    return '';
  }

  var isNonNumeric = isNaN(value);
  if (isCustomProperty || isNonNumeric || value === 0 || isUnitlessNumber.hasOwnProperty(name) && isUnitlessNumber[name]) {
    return '' + value; // cast to string
  }

  if (typeof value === 'string') {
    if (process.env.NODE_ENV !== 'production') {
      // Allow '0' to pass through without warning, 0 is already special and
      // doesn't require units, so we don't need to warn about it.
      if (component & value !== '0') {
        var owner = component._currentElement._owner;
      }
    }
  }

  var expna = hasShorthandPropertyBug && CSSProperty.shorthandPropertyExpansions[name];
  if (expna) {
    // Shorthand property that
    // IE8 won't like unsetting, so unset each
    // component to placate it
    for (var individualStyleName in expna) {
      style[individualStyleName] = '';
    }
  } else {
    style[name] = '';
  }

  return string.replace(CSSProperty.hypenPattern, function (_, character) {
    return character.toUpperCase();
  });
}

module.exports = dangerousStyleValue(name, value, component, isCustomProperty);
var ownerName = owner ? owner.getName() : null;\n
if (ownerName && !styleWarnings[ownerName]) {\n
styleWarnings[ownerName] = {};\n
}\n
var warned = false;\n
if (ownerName) {\n
var warnings
= styleWarnings[ownerName];\n
warned = warnings[name];\n
if (!warned) {\n
warnings[name] =
true;\n
}\n
}\n
if (!warned) {\n
process.env.NODE_ENV !== 'production' ? warning(false, 'a
`%s` tag (owner: `%s`) was passed a numeric string value ' + 'for CSS property `%s` (value: `%s`) which will be
treated ' + 'as a unitless number in a future version of React.', component._currentElement.type, ownerName ||
'unknown', name, value) : void 0;\n
}\n
}\n }\n value = value.trim();\n }\n return value +
'px';\n}\n\nmodule.exports = dangerousStyleValue;\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/react-dom/lib/dangerousStyleValue.js\n// module id = 801\n// module chunks = 0","/**\n *
Copyright (c) 2013-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n
* LICENSE file in the root directory of this source tree.\n *\n * @typechecks\n */\n\n'use strict';\n\nvar hyphenate =
require('./hyphenate');\n\nvar msPattern = /^ms-/;\n\n/**\n * Hyphenates a camelcased CSS property name, for
example:\n *\n * > hyphenateStyleName('backgroundColor')\n * < \"background-color\"\n * >
hyphenateStyleName('MozTransition')\n * < \"-moz-transition\"\n * > hyphenateStyleName('msTransition')\n *
< \"-ms-transition\"\n *\n * As Modernizr suggests (http://modernizr.com/docs/#prefixed), an `ms` prefix\n * is
converted to `-ms-`.\n *\n * @param {string} string\n * @return {string}\n */\nfunction
hyphenateStyleName(string) {\n return hyphenate(string).replace(msPattern, '-ms-');\n}\n\nmodule.exports =
hyphenateStyleName;\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/fbjs/lib/hyphenateStyleName.js\n// module id = 802\n// module chunks = 0","'use strict';\n\n/**\n *
Copyright (c) 2013-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n
* LICENSE file in the root directory of this source tree.\n *\n * @typechecks\n */\n\nvar _uppercasePattern = /([AZ])/g;\n\n/**\n * Hyphenates a camelcased string, for example:\n *\n * > hyphenate('backgroundColor')\n * <
\"background-color\"\n *\n * For CSS style names, use `hyphenateStyleName` instead which works properly\n *
with all vendor prefixes, including `ms`.\n *\n * @param {string} string\n * @return {string}\n */\nfunction
hyphenate(string) {\n return string.replace(_uppercasePattern, '-$1').toLowerCase();\n}\n\nmodule.exports =
hyphenate;\n\n\n//////////////////\n// WEBPACK FOOTER\n// ./node_modules/fbjs/lib/hyphenate.js\n// module id =
803\n// module chunks = 0","/**\n * Copyright (c) 2013-present, Facebook, Inc.\n *\n * This source code is licensed
under the MIT license found in the\n * LICENSE file in the root directory of this source tree.\n *\n * \n *
@typechecks static-only\n */\n\n'use strict';\n\n/**\n * Memoizes the return value of a function that accepts one
string argument.\n */\n\nfunction memoizeStringOnly(callback) {\n var cache = {};\n return function (string) {\n
if (!cache.hasOwnProperty(string)) {\n cache[string] = callback.call(this, string);\n }\n return cache[string];\n
};\n}\n\nmodule.exports = memoizeStringOnly;\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/fbjs/lib/memoizeStringOnly.js\n// module id = 804\n// module chunks = 0","/**\n * Copyright (c)
2013-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in the\n * LICENSE
file in the root directory of this source tree.\n *\n */\n\n'use strict';\n\nvar escapeTextContentForBrowser =
require('./escapeTextContentForBrowser');\n\n/**\n * Escapes attribute value to prevent scripting attacks.\n *\n *
@param {*} value Value to escape.\n * @return {string} An escaped string.\n */\nfunction
quoteAttributeValueForBrowser(value) {\n return '\"' + escapeTextContentForBrowser(value) +
'\"';\n}\n\nmodule.exports = quoteAttributeValueForBrowser;\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/react-dom/lib/quoteAttributeValueForBrowser.js\n// module id = 805\n// module chunks = 0","/**\n
* Copyright (c) 2013-present, Facebook, Inc.\n *\n * This source code is licensed under the MIT license found in
the\n * LICENSE file in the root directory of this source tree.\n *\n */\n\n'use strict';\n\nvar EventPluginHub =
require('./EventPluginHub');\n\nfunction runEventQueueInBatch(events) {\n
EventPluginHub.enqueueEvents(events);\n EventPluginHub.processEventQueue(false);\n}\n\nvar
ReactEventEmitterMixin = {\n /**\n * Streams a fired top-level event to `EventPluginHub` where plugins have
the\n * opportunity to create `ReactEvent`s to be dispatched.\n */\n handleTopLevel: function (topLevelType,
targetInst, nativeEvent, nativeEventTarget) {\n var events = EventPluginHub.extractEvents(topLevelType,
targetInst, nativeEvent, nativeEventTarget);\n runEventQueueInBatch(events);\n }\n};\n\nmodule.exports =

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ReactEventEmitterMixin;

```
var makePrefixMap = function(styleProp, eventName) {
  var prefixes = {};

  prefixes[styleProp.toLowerCase()] = eventName.toLowerCase();
  prefixes['Webkit' + styleProp] = 'webkit' + eventName;
  prefixes['Moz' + styleProp] = 'moz' + eventName;
  prefixes['ms' + styleProp] = 'MS' + eventName;
  prefixes['O' + styleProp] = 'O' + eventName.toLowerCase();

  return prefixes;
};
```

```
var vendorPrefixes = {
  animationend: makePrefixMap('Animation', 'AnimationEnd'),
  animationiteration: makePrefixMap('Animation', 'AnimationIteration'),
  animationstart: makePrefixMap('Animation', 'AnimationStart'),
  transitionend: makePrefixMap('Transition', 'TransitionEnd')
};
```

```
function getVendorPrefixedEventName(eventName) {
  if (prefixedEventNames[eventName]) {
    return prefixedEventNames[eventName];
  } else if (!vendorPrefixes[eventName]) {
    return eventName;
  }

  var prefixMap = vendorPrefixes[eventName];

  for (var styleProp in prefixMap) {
    if (prefixMap.hasOwnProperty(styleProp) && styleProp in style) {
      return prefixedEventNames[eventName] = prefixMap[styleProp];
    }
  }

  return '';  
}
```

```
module.exports = getVendorPrefixedEventName;
```

---

ReactEventEmitterMixin;

```
var linkedValueUtils = require('./linkedValueUtils');
var domPropertyOperations = require('./domPropertyOperations');
var domPropertyOperations = require('./domPropertyOperations');
var linkedValueUtils = require('./linkedValueUtils');
var ReactDOMComponentTree = require('./reactDOMComponentTree');
var ReactUpdates = require('reactUpdates');
var ReactUpdates = require('reactUpdates');
var DOMPropertyOperations = require('./DOMPropertyOperations');
var linkedValueUtils = require('./linkedValueUtils');
var didWarnValueLink = false;
var didWarnValueLink = false;
var didWarnCheckedLink = false;
var linkedValueUtils = require('./linkedValueUtils');
var linkedValueUtils = require('./linkedValueUtils');
```
getHostProps: function (inst, props) {

    var value = LinkedValueUtils.getValue(props);
    var checked = LinkedValueUtils.getChecked(props);

    var hostProps = _assign({
        // Make sure we set .type before any other properties (setting .value
        // before .type means .value is lost in IE11 and below)
        type: undefined,
        // Make sure we set .step before .value (setting .value before .step
        // means .value is rounded on mount, based
        // upon step precision)
        step: undefined,
        // Make sure we set .min & .max before .value (to ensure proper order
        // in corner cases such as min or max deriving from value, e.g. Issue #7170)
        min: undefined,
        max: undefined }, props, {
            // defaultChecked: undefined,
            defaultValue: undefined,
            value: value !=

            ? value : inst._wrapperState.initialValue,

            checked: checked != null ? checked :
            inst._wrapperState.initialChecked,

            onChange: inst._wrapperState.onChange
        });

    return hostProps;
},

mountWrapper: function (inst, props) {
    if (process.env.NODE_ENV !== 'production') {
        LinkedValueUtils.checkPropTypes('input', props, inst._currentElement._owner);

        var owner = inst._currentElement._owner;

        if (props.valueLink !== undefined && !didWarnValueLink) {
            process.env.NODE_ENV !== 'production' ? warning(false, 'valueLink prop on `input` is deprecated; set `value` and `onChange` instead.') : void 0;
            didWarnValueLink = true;
        }
        if (props.checkedLink !== undefined && !didWarnCheckedLink) {
            process.env.NODE_ENV !== 'production' ? warning(false, 'checkedLink prop on `input` is deprecated; set `value` and `onChange` instead.') : void 0;
            didWarnCheckedLink = true;
        }
        if (props.checked !== undefined && props.defaultChecked !== undefined && !didWarnCheckedDefaultChecked) {
            process.env.NODE_ENV !== 'production' ? warning(false, '%s contains an input of type %s with both checked and defaultChecked props. + `Input elements must be either controlled or uncontrolled` + (`specify either the checked prop, or the defaultChecked prop, but not` + `+ both`). Decide between using a controlled or uncontrolled input + `element and remove one of these props. More info: ` + 'https://fb.me/react-controlled-components', owner && owner.getName() || 'A component', props.type) : void 0;
            didWarnCheckedDefaultChecked = true;
        }
        if (props.value !== undefined && props.defaultValue !== undefined && !didWarnValueDefaultValue) {
            process.env.NODE_ENV !== 'production' ? warning(false, '%s contains an input of type %s with both value and defaultValue props. + `Input elements must be either controlled or uncontrolled` + (`specify either the value prop, or the defaultValue prop, but not` + `+ both`). Decide between using a controlled or uncontrolled input + `element and remove one of these props. More info: ` + 'https://fb.me/react-controlled-components', owner && owner.getName() || 'A component', props.type) : void 0;
            didWarnValueDefaultValue = true;
        }
    }

    var defaultValue = props.defaultValue;
    inst._wrapperState = {
        initialChecked: props.checked != null ? props.checked : props.defaultChecked,
        initialValue: props.value != null ? props.value : defaultValue,
        listeners: null,
        onChange: _handleChange.bind(inst),

        controlled: isControlled(props)
    };

    DOMPropertyOperations.setValueForProperty(ReactDOMComponentTree.getNodeFromInstance(inst), 'checked', checked || false);

    var node = ReactDOMComponentTree.getNodeFromInstance(inst);

    if (process.env.NODE_ENV !== 'production') {
        var listeners = null;
        _EventManager.enqueueUpdateListener(node, listeners);
    }

    _updateWrapper: function (inst) {
        var props = inst._currentElement.props;

        if (process.env.NODE_ENV !== 'production') {
            var controlled = isControlled(props);

            if (process.env.NODE_ENV !== 'production') {
                var listeners = null;
                _EventManager.enqueueUpdateListener(node, listeners);
            }

            if (controlled) {
                if (props.value != null) {
                    DOMPropertyOperations.setValueForProperty(ReactDOMComponentTree.getNodeFromInstance(inst), 'checked', checked || false);
                }
            }
        }
    }
};
LinkedValueUtils.getValue(props);
    if (value != null) {
      if (value === 0 && node.value === '') {
        // Note: IE9 reports a number inputs as 'text', so check props instead.
        node.value = '0';
        // Simulate `input.valueAsNumber`. IE9 does not support it
        var valueAsNumber = parseFloat(node.value, 10) || 0;
      } else if (props.type === 'number') {
        // eslint-disable-next-line
        var valueAsNumber = parseFloat(node.value, 10) || 0;
        // Cast `value` to a string to ensure the value is set correctly. While
        // browsers typically do this as necessary, jsdom doesn't.
        node.value = '' + valueAsNumber;
        // Cast `value` to a string to ensure the value is set correctly. While
        // browsers typically do this as necessary, jsdom doesn't.
        node.value = '' + valueAsNumber;
      } else if (props.checked != null) {
        // This fixes the no-show issue on iOS Safari and Android
        // Chrome:
        // https://github.com/facebook/react/issues/7233
        node.value = '';
        node.value = node.defaultValue;
      } else if (node.value !== '' + value) {
        // Cast `value` to a string to ensure the value is set correctly.
        // While browsers typically do this as necessary, jsdom doesn't.
        node.value = '' + value;
      } else if (props.value == null && props.defaultValue != null) {
        // In Chrome, assigning defaultValue to certain input types triggers input validation.
        // For number inputs, the display value loses trailing decimal points. For email inputs,
        // Chrome raises "The specified value <x> is not a valid email address."
        // Here we check to see if the defaultValue has actually changed,
        // avoiding these problems when node.value != null;
        // when the user is inputting text.
        // https://github.com/facebook/react/issues/7253
        if (node.defaultValue != " + props.defaultValue) {
          // In Chrome, assigning defaultChecked to certain input types triggers input validation.
          // For number inputs, the defaultDisplay loses trailing decimal points. For email inputs,
          // Chrome raises "The specified value <x> is a valid email address."
          // Here we check to see if the defaultChecked has actually changed,
          // avoiding these problems when node.defaultChecked != null;
          node.defaultChecked = !node.defaultChecked;
          // In Chrome, assigning defaultChecked to certain input types triggers input validation.
          // For number inputs, the defaultDisplay loses trailing decimal points. For email inputs,
          // Chrome raises "The specified value <x> is a valid email address."
          // This is in postMount because we need access to the DOM node, which is not null;
          // but we can only access the DOM node after the component has mounted.
          var node = ReactDOMComponentTree.getNodeFromInstance(inst);
          // Detach value from defaultValue. We won't do anything if we're working on
          // submit or reset inputs as those values & defaultValues are linked.
          // They are not resetable nodes so this operation doesn't matter and actually
          // removes browser-default values (eg "Submit Query") when no value is
          // provided.
          switch (props.type) {
            case 'submit':
              break;
            case 'color':
              break;
            case 'date':
              break;
            case 'datetime-local':
              break;
            case 'month':
              break;
            case 'time':
              break;
            case 'week':
              break;
          }
          // Normally, we'd just do `node.checked = node.checked` upon initial mount, less this bug;
          // this is needed to work around a chrome bug where setting defaultChecked
          // will sometimes influence the value of checked (even after detachment).
        } else if (props.type === 'radio' && name != null) {
          var rootNode = ReactDOMComponentTree.getNodeFromInstance(this);
          var queryRoot = rootNode;
          while (queryRoot.parentNode) {
            queryRoot = queryRoot.parentNode;
          }
          // If `rootNode.form` was non-null,
          // try `form.elements`,
          // but that sometimes behaves strangely in IE8. We could also try using
          // `form.getElementsByTagName('input')`, but that will only return direct children
          // and won't include inputs that use the HTML5 "form=" attribute. Since
          // the input might not even be in a form, let's just use the global
          // `querySelectorAll` to ensure we don't missing anything.
          var group = queryRoot.querySelectorAll('input[type="radio"]');
          for (var i = 0; i < group.length; i++) {
            var otherNode = group[i];
            if (otherNode !== rootNode) {
              // This will throw if radio buttons rendered by different copies of React
              // and the same name are rendered into the same form (same as #1939),
              // That's probably okay; we don't support it just as we don't support
              // mixing React radio buttons with non-React ones.
            }
          }
        }
      }
    }
  },

  postMountWrapper: function (inst) {
    var props = inst._currentElement.props;
    // This is in postMount
    var node = ReactDOMComponentTree.getNodeFromInstance(inst);
    // Detach value from defaultValue. We won't do anything if we're working on
    // submit or reset inputs as those values & defaultValues are linked.
    // They are not resetable nodes so this operation doesn't matter and actually
    // removes browser-default values (eg "Submit Query") when no value is
    // provided.
    switch (props.type) {
      case 'submit':
        break;
      case 'color':
      case 'date':
      case 'datetime':
      case 'datetime-local':
      case 'month':
      case 'time':
      case 'week':
        // This fixes the no-show issue on iOS Safari and Android
        // Chrome:
        // https://github.com/facebook/react/issues/7233
        node.value = '';
        node.value = node.defaultValue;
        break;
      default:
        node.value = node.value;
        break;
    }
    // Normally, we'd just do `node.checked = node.checked` upon initial mount, less this bug;
    // this is needed to work around a chrome bug where setting defaultChecked
    // will sometimes influence the value of checked (even after detachment).
  },

  _handleChange: function (event) {
    var props = this._currentElement.props;
    var rootNode = ReactDOMComponentTree.getNodeFromInstance(this);
    var queryRoot = rootNode;
    while (queryRoot.parentNode) {
      queryRoot = queryRoot.parentNode;
    }
    // If `rootNode.form` was non-null,
    // try `form.elements`,
    // but that sometimes behaves strangely in IE8. We could also try using
    // `form.getElementsByTagName('input')`, but that will only return direct children
    // and won't include inputs that use the HTML5 "form=" attribute. Since
    // the input might not even be in a form, let's just use the global
    // `querySelectorAll` to ensure we don't missing anything.
    var group = queryRoot.querySelectorAll('input[type="radio"]');
    for (var i = 0; i < group.length; i++) {
      var otherNode = group[i];
      if (otherNode !== rootNode) {
        // This will throw if radio buttons rendered by different copies of React
        // and the same name are rendered into the same form (same as #1939),
        // That's probably okay; we don't support it just as we don't support
        // mixing React radio buttons with non-React ones.
      }
    }
  }
};
ReactDOMComponentTree.getInstanceFromNode(otherNode);

ReactDOMComponentTree.getInstanceFromNode(otherNode);

ReactDOMInput: Mixing React and non-React radio inputs with the same `name` is not supported.:

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ReactDOMTextarea = {
  mountWrapper: function (inst, props) {
    if (process.env.NODE_ENV !== 'production') {
      LinkedValueUtils.checkPropTypes('textarea', props,
          inst._currentElement._owner);
      if (props.valueLink !== undefined && !didWarnValueLink) {
        process.env.NODE_ENV !== 'production' ? warning(false, '`valueLink` prop on `textarea` is deprecated; set `value` and `onChange` instead.') : void 0;
        didWarnValueLink = true;
      }
      if (props.value !== undefined && props.defaultValue !== undefined && !didWarnValDefaultVal) {
        process.env.NODE_ENV !== 'production' ? warning(false, 'Textarea elements must be either controlled or uncontrolled (specify either the value prop, or the defaultValue prop, but not both). Decide between using a controlled or uncontrolled textarea + `removeOne of these props. More info: ` + 'https://fb.me/react-controlled-components') : void 0;
        didWarnValDefaultVal = true;
      }
    }

    var value = LinkedValueUtils.getValue(props);
    var initialValue = value;

    // Only bother fetching default value if we're going to use it
    if (value == null) {
      var defaultValue = props.defaultValue;
      // TODO (yungsters): Remove support for children content in <textarea>,
      // which wouldn // completely solve this IE9 bug, but Sebastian+Ben seemed to like this solution.
      // The value can be a boolean or object so that's why it's forced to be a string.
      var hostProps = _assign({}, props, {
        value: undefined,
        defaultValue: undefined,
        children: ' + inst._wrapperState.initialValue,
        onChange: inst._wrapperState.onChange
      });

      return hostProps;
    }
    // Change the rendered element will *not* trigger updates to the element. Instead, the `value` prop must change in
    // order for the rendered element to be updated.
    // The rendered element will be initialized with an empty value, the prop *value* if specified, or the child content (deprecated).
    var ReactDOMTextarea = {
      getHostProps: function (inst, props) {
        invariant(false, 'dangerouslySetInnerHTML does not make sense on <textarea>.')
      },
      mountWrapper: function (inst, props) {
        // process.env.NODE_ENV <= 'production' ? warning(false, 'Textarea elements must be either controlled or uncontrolled + `remove one of these props. More info: ` + 'https://fb.me/react-controlled-components') : void 0;
        didWarnValueLink = true;
      }
    }
  },

  updateWrapper: function (inst) {
    var props = inst._currentElement.props,
        node = ReactDOMComponentTree.getNodeFromInstance(inst);

    var value = LinkedValueUtils.getValue(props);
    if (value != null) {
      // Cast `value` to a string to ensure the value is set
      // correctly. While
      // browsers typically do this as necessary, jsdom doesn't.
      // To avoid side effects (such as losing text selection), only set value if changed
      // (newValue !== node.value)
      if (value !== node.value) {
        node.value = value;
      }
      if (props.defaultValue != null) {
        node.defaultValue = props.defaultValue;
      }
      if (props.valueLink != null) {
        node.valueLink = props.valueLink;
      }
      // This is in postMount because we need access to the DOM node,
which is not // available until after the component has mounted.

var node = ReactDOMComponentTree.getNodeFromInstance(inst);
var textContent = /*#__PURE__*/ReactDOMComponentTree.getNodeFromInstance(inst).textContent;

if (textContent === inst._wrapperState.initialValue) {
  node.value = textContent;
}

function _handleChange(event) {
  var props = this._currentElement.props;
  var returnvalue = LinkedValueUtils.executeOnChange(props, event);
  ReactUpdates.asap(forceUpdateIfMounted, this);
  return returnvalue;
}

module.exports = ReactDOMTextarea;

// WEBPACK FOOTER
// module id = 811
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license
 * found in the LICENSE file in the root directory of this source tree.
 */

'use strict';

var _prodInvariant = require('./reactProdInvariant');

var ReactComponentEnvironment = require('./ReactComponentEnvironment');
var ReactInstanceMap = require('./ReactInstanceMap');
var ReactInstrumentation = require('./ReactInstrumentation');

var ReactCurrentOwner = require('react/lib/ReactCurrentOwner');
var ReactReconciler = require('./ReactReconciler');
var ReactChildReconciler = require('./ReactChildReconciler');

var emptyFunction = require('fbjs/lib/emptyFunction');
var flattenChildren = require('./flattenChildren');
var invariant = require('fbjs/lib/invariant');

/**
 * Make an update for markup to be rendered and inserted at a supplied index.
 */
function makeInsertMarkup(markup, afterNode, toIndex) {
  // NOTE: Null values reduce hidden classes.
  return {
    type: 'INSERT_MARKUP',
    content: markup,
    fromIndex: null,
    fromNode: null,
    toIndex: toIndex,
    afterNode: afterNode
  };
}

/**
 * Make an update for removing an element at an index.
 */
function makeRemove(child, node) {
  // NOTE: Null values reduce hidden classes.
  return {
    type: 'REMOVE_NODE',
    content: null,
    fromIndex: child._mountIndex,
    fromNode: node,
    toIndex: null,
    afterNode: null
  };
}

/**
 * Make an update for setting the text content.
 */
function makeTextContent(textContent) {
  // NOTE: Null values reduce hidden classes.
  return {
    type: 'TEXT_CONTENT',
    content: textContent,
    fromIndex: null,
    fromNode: null,
    toIndex: null,
    afterNode: null
  };
}

/**
 * Push an update, if any, onto the queue.
 * Creates a new queue if none is passed and always returns the queue.
 */
function enqueue(queue, update) {
  if (update) {
    queue = queue || [];
    queue.push(update);
  }
  return queue;
}

function processQueue(inst, updateQueue) {
  ReactComponentEnvironment.processChildrenUpdates(inst, updateQueue);
}

var setChildrenForInstrumentation = emptyFunction;
if (process.env.NODE_ENV !== 'production') {
  var getDebugID = function (inst) {
    if (!inst._debugID) {
      // Check for ART-like instances. TODO: This is silly/gross.
      var internal;
      if (internal = ReactInstanceMap.get(inst)) {
        inst = internal;
      }
      return inst._debugID;
    }
    return null;
  };
  setChildrenForInstrumentation = function(children) {
    var debugID = getDebugID(children);
    // This means they still get into this method but don't have _debugID.
    if (debugID !== 0) {
      ReactInstrumentation.debugTool.onSetChildren(debugID, children ? Object.keys(children).map(function(key) { return key; }) : []);
    }
  };
}

Open Source Used In SDWan 20.4.1 7067
return children[key]._debugID;\n
}) : []);\n }\n };\n}\n\n/**\n * ReactMultiChild are capable of reconciling
multiple children.\n *\n * @class ReactMultiChild\n * @internal\n */\nvar ReactMultiChild = {\n /**\n * Provides
common functionality for components that must reconcile multiple\n * children. This is used by
`ReactDOMComponent` to mount, update, and\n * unmount child components.\n *\n * @lends
{ReactMultiChild.prototype}\n */\n Mixin: {\n _reconcilerInstantiateChildren: function (nestedChildren,
transaction, context) {\n
if (process.env.NODE_ENV !== 'production') {\n
var selfDebugID =
getDebugID(this);\n
if (this._currentElement) {\n
try {\n
ReactCurrentOwner.current =
this._currentElement._owner;\n
return ReactChildReconciler.instantiateChildren(nestedChildren, transaction,
context, selfDebugID);\n
} finally {\n
ReactCurrentOwner.current = null;\n
}\n
}\n
}\n
return ReactChildReconciler.instantiateChildren(nestedChildren, transaction, context);\n },\n\n
_reconcilerUpdateChildren: function (prevChildren, nextNestedChildrenElements, mountImages, removedNodes,
transaction, context) {\n
var nextChildren;\n
var selfDebugID = 0;\n
if (process.env.NODE_ENV !==
'production') {\n
selfDebugID = getDebugID(this);\n
if (this._currentElement) {\n
try {\n
ReactCurrentOwner.current = this._currentElement._owner;\n
nextChildren =
flattenChildren(nextNestedChildrenElements, selfDebugID);\n
} finally {\n
ReactCurrentOwner.current
= null;\n
}\n
ReactChildReconciler.updateChildren(prevChildren, nextChildren, mountImages,
removedNodes, transaction, this, this._hostContainerInfo, context, selfDebugID);\n
return nextChildren;\n
}\n
}\n
nextChildren = flattenChildren(nextNestedChildrenElements, selfDebugID);\n
ReactChildReconciler.updateChildren(prevChildren, nextChildren, mountImages, removedNodes, transaction, this,
this._hostContainerInfo, context, selfDebugID);\n
return nextChildren;\n },\n\n /**\n * Generates a
\"mount image\" for each of the supplied children. In the case\n * of `ReactDOMComponent`, a mount image is a
string of markup.\n *\n * @param {?object} nestedChildren Nested child maps.\n * @return {array} An
array of mounted representations.\n * @internal\n */\n mountChildren: function (nestedChildren, transaction,
context) {\n
var children = this._reconcilerInstantiateChildren(nestedChildren, transaction, context);\n
this._renderedChildren = children;\n\n
var mountImages = [];\n
var index = 0;\n
for (var name in children)
{\n
if (children.hasOwnProperty(name)) {\n
var child = children[name];\n
var selfDebugID = 0;\n
if (process.env.NODE_ENV !== 'production') {\n
selfDebugID = getDebugID(this);\n
}\n
var
mountImage = ReactReconciler.mountComponent(child, transaction, this, this._hostContainerInfo, context,
selfDebugID);\n
child._mountIndex = index++;\n
mountImages.push(mountImage);\n
}\n
}\n\n
if (process.env.NODE_ENV !== 'production') {\n
setChildrenForInstrumentation.call(this, children);\n
}\n\n
return mountImages;\n },\n\n /**\n * Replaces any rendered children with a text content string.\n *\n *
@param {string} nextContent String of content.\n * @internal\n */\n updateTextContent: function
(nextContent) {\n
var prevChildren = this._renderedChildren;\n
// Remove any rendered children.\n
ReactChildReconciler.unmountChildren(prevChildren, false);\n
for (var name in prevChildren) {\n
if
(prevChildren.hasOwnProperty(name)) {\n
!false ? process.env.NODE_ENV !== 'production' ?
invariant(false, 'updateTextContent called on non-empty component.') : _prodInvariant('118') : void 0;\n
}\n
}\n
// Set new text content.\n
var updates = [makeTextContent(nextContent)];\n
processQueue(this,
updates);\n },\n\n /**\n * Replaces any rendered children with a markup string.\n *\n * @param {string}
nextMarkup String of markup.\n * @internal\n */\n updateMarkup: function (nextMarkup) {\n
var
prevChildren = this._renderedChildren;\n
// Remove any rendered children.\n
ReactChildReconciler.unmountChildren(prevChildren, false);\n
for (var name in prevChildren) {\n
if
(prevChildren.hasOwnProperty(name)) {\n
!false ? process.env.NODE_ENV !== 'production' ?
invariant(false, 'updateTextContent called on non-empty component.') : _prodInvariant('118') : void 0;\n
}\n
}\n
var updates = [makeSetMarkup(nextMarkup)];\n
processQueue(this, updates);\n },\n\n /**\n *
Updates the rendered children with new children.\n *\n * @param {?object} nextNestedChildrenElements
Nested child element maps.\n * @param {ReactReconcileTransaction} transaction\n * @internal\n */\n
updateChildren: function (nextNestedChildrenElements, transaction, context) {\n
// Hook used by React ART\n
this._updateChildren(nextNestedChildrenElements, transaction, context);\n },\n\n /**\n * @param {?object}

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nextNestedChildrenElements Nested child element maps.

 transaction\n * @param {ReactReconcileTransaction
 transaction, context} \n var prevChildren = this._renderedChildren;\n var removedNodes = [];\n var mountImages = [];\n var nextChildren = this._reconcilerUpdateChildren(prevChildren,
 nextNestedChildrenElements, mountImages, removedNodes, transaction, context);\n if (!nextChildren &&
 !prevChildren) \n return;\n if (updates = null) \n return;\n lastIndex = 0;\n var lastIndex = 0;\n var nextIndex = 0;\n var nextMountIndex = 0;\n var lastPlacedNode = null;\n for (name in children) {\n if (ReactChildren蚩

```javascript
    _updateChildren: function (nextNestedChildrenElements, mountImages, removedNodes, transaction, context) {\n      var prevChildren = this._renderedChildren;\n      var removedNodes = [];\n      var mountImages = [];\n      var nextChildren = this._reconcilerUpdateChildren(prevChildren,
nextNestedChildrenElements, mountImages, removedNodes, transaction, context);\n      if (!nextChildren &&
        !prevChildren) {\n        return;\n      }\n      var updates = null;\n      if (updates = enqueue(updates, this.moveChild(prevChild, lastPlacedNode, nextIndex, lastIndex));\n      lastIndex = Math.max(prevChild._mountIndex, lastIndex);\n      prevChild._mountIndex = nextIndex;\n    }
  }
};

module.exports
```
mountImages.push(nextChildMountImage); // Unmount children that are no longer present.
  for (name in prevChildren) {
    if (prevChildren.hasOwnProperty(name) && !(nextChildren && nextChildren.hasOwnProperty(name))) {
      prevChild = prevChildren[name];
      ReactReconciler.unmountComponent(prevChild, false);
      // Unmount children that are no longer present.
      if (prevChildren.hasOwnProperty(name)) {
        var renderedChild = renderedChildren[name];
        ReactReconciler.unmountComponent(renderedChild, safely);
      }
    }
  }

  /**
   * Unmounts all rendered children. This should be used to clean up children that are no longer present.
   *
   * @param {?object} renderedChildren Previously initialized set of children.
   *
   * @internal
   */
  unmountChildren: function (renderedChildren, safely) {
    for (name in renderedChildren) {
      if (renderedChildren.hasOwnProperty(name)) {
        var renderedChild = renderedChildren[name];
        ReactReconciler.unmountComponent(renderedChild, safely);
      }
    }
  }
};

module.exports = ReactChildReconciler;

//////////////////
// WEBPACK FOOTER
// module.id = 813
// module.chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
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 */

'use strict';

var _prodInvariant = require('./reactProdInvariant'),
    _assign = require('object-assign');

var React = require('react/lib/React');
var ReactComponentEnvironment = require('./ReactComponentEnvironment');
var ReactCurrentOwner = require('react/lib/ReactCurrentOwner');
var ReactErrorUtils = require('./ReactErrorUtils');
var ReactInstanceMap = require('./ReactInstanceMap');
var ReactInstrumentation = require('./ReactInstrumentation');
var ReactNodeTypes = require('./ReactNodeTypes');
var ReactReconciler = require('./ReactReconciler');

if (process.env.NODE_ENV !== 'production') {
  var checkReactTypeSpec = require('./checkReactTypeSpec');
}

var emptyObject = require('fbjs/lib/emptyObject');
var invariant = require('fbjs/lib/invariant');
var shallowEqual = require('fbjs/lib/shallowEqual');
var shouldUpdateReactComponent = require('./shouldUpdateReactComponent');
var warning = require('fbjs/lib/warning');

var CompositeTypes = {
  ImpureClass: 0,
  PureClass: 1,
  StatelessFunctional: 2
};

function StatelessComponent(Component) {
  StatelessComponent.prototype.render = function () {
    var Component = ReactInstanceMap.get(this)._currentElement.type;
    var element = Component(this.props, this.context, this.updater);
    warnIfInvalidElement(Component, element);
    return element;
  }
}

function warnIfInvalidElement(Component, element) {
  if (process.env.NODE_ENV !== 'production') {
    process.env.NODE_ENV !== 'production' ? warning(element === null || element === false || React.isValidElement(element), '%s(...): A valid React element (or null) must be returned. You may have returned undefined, an array or some other invalid object. Did you return a
    React.element from a child component? %s(...): childContextTypes cannot be defined on a functional component.', Component.displayName || Component.name || 'Component') : void 0;
  }
}

function shouldConstruct(Component) {
  return !!((Component.prototype && Component.prototype.isReactComponent));
}

function isPureComponent(Component) {
  return !!(Component.prototype && Component.prototype.isPureReactComponent);
}

// Separated into a function to contain deoptimizations caused by try/finally.
module.exports = function measureLifeCyclePerf(fn, debugID, timerType) {
  // Top-level wrappers (see ReactMount) and empty components (see
  // ReactDOMEmptyComponent) are invisible to hooks and devtools.
  // Both are implementation details that should go away in the future.
  return fn();
}

/* */

---

The Life-Cycle of a Composite Component

- constructor: Initialization of state. The instance is now retained.
- componentWillMount
- render
- [children's constructors]
- [children's componentWillMount and render]
- [children's componentDidMount]
- componentDidMount
- Update Phases:
- componentWillReceiveProps (only called if parent updated)
- shouldComponentUpdate
- componentWillUpdate
- [children's constructors or receive props phases]
- componentDidUpdate
- componentWillUnmount
- [children's componentWillUnmount]
The instance is now blank, released by React and ready for GC.

---

An incrementing ID assigned to each component when it is mounted. This is not used to enforce the order in which `ReactUpdates` updates dirty components.

```javascript
var nextMountID = 1;
```

ReactCompositeComponent = {/** Base constructor for all composite component. */
  /** * @param {ReactElement} element
   * @final * @private */
  construct: function (element) {
    this._currentElement = element;
    this._rootNodeID = 0;
    this._compositeType = null;
    this._instance = null;
    this._hostParent = null;
    this._hostContainerInfo = null;
    this._updateBatchNumber = null;
    this._pendingElement = null;
    this._pendingStateQueue = null;
    this._pendingReplaceState = false;
    this._pendingForceUpdate = false;
    this._renderedNodeType = null;
    this._renderedComponent = null;
    this._context = null;
    this._mountOrder = 0;
    this._topLevelWrapper = null;
    this._updateQueue = ReactUpdates.ReactUpdateQueue;
    this._pendingCallbacks = null;
    ComponentWillUnmount shall only be called once
    this._calledComponentWillUnmount = false;
    if (process.env.NODE_ENV !== 'production') {
      this._warnedAboutRefsInRender = false;
    }
    this._context = context;
    this._mountOrder = nextMountID++;
    this._hostParent = hostParent;
    this._hostContainerInfo = hostContainerInfo;
    this._currentElement = this._currentElement || publicProps;
    var instance = this._constructComponent(doConstruct, publicProps, publicContext, componentWillUpdate);
    if (instance.render == null) {
      process.env.NODE_ENV !== 'production' ? warning(false, '%s(...): No `render` method found on the returned component instance: you may have forgotten to define `render`.\n\nComponent.displayName || Component.name || 'Component' : _prodInvariant('105', Component.displayName || Component.name || 'Component') : void 0;
```

---


'This is only supported for classes created using React.createClass. ' + 'Did you mean to define a state property instead?', this.getName() || 'a component') : void 0;

process.env.NODE_ENV !== 'production' ? warning(!inst.getDefaultProps || inst.getDefaultProps.isReactClassApproved, 'getDefaultProps was defined on %s, a plain JavaScript class. ' + 'This is only supported for classes created using React.createClass. ' + 'Use a static property to define defaultProps instead.', this.getName() || 'a component') : void 0;

process.env.NODE_ENV !== 'production' ? warning(!inst.propTypes, 'propTypes was defined as an instance property on %s. Use a static property to define propTypes instead.', this.getName() || 'a component') : void 0;

process.env.NODE_ENV !== 'production' ? warning(!inst.contextTypes, 'contextTypes was defined as an instance property on %s. Use a static property to define contextTypes instead.', this.getName() || 'a component') : void 0;

process.env.NODE_ENV !== 'production' ? warning(typeof inst.componentShouldUpdate !== 'function', '%s has a method called ' + 'componentShouldUpdate(). Did you mean shouldComponentUpdate()? ' + 'The name is phrased as a question because the function is ' + 'expected to return a value.', this.getName() || 'A component') : void 0;

process.env.NODE_ENV !== 'production' ? warning(typeof inst.componentDidUnmount !== 'function', '%s has a method called ' + 'componentDidUnmount(). But there is no such lifecycle method. ' + '+ Did you mean componentWillUnmount()? ' + 'componentWillUnmount()?') : void 0;

process.env.NODE_ENV !== 'production' ? warning(typeof inst.componentWillRecieveProps !== 'function', '%s has a method called ' + 'componentWillRecieveProps(). Did you mean componentWillReceiveProps()?', this.getName() || 'A component') : void 0;

this._pendingStateQueue = null;
this._pendingReplaceState = false;
this._pendingForceUpdate = false;

var markup;
if (inst.unstable_handleError) {
  markup = this.performInitialMountWithErrorHandling(renderedElement, hostParent, hostContainerInfo, transaction, context);
} else {
  markup = this.performInitialMount(renderedElement, hostParent, hostContainerInfo, transaction, context);
}

if (inst.componentDidMount) {
  if (process.env.NODE_ENV !== 'production') {
    transaction.getReactMountReady().enqueue(function () {
      measureLifeCyclePerf(function () {
        return inst.componentDidMount();
      }, this._debugID, 'componentDidMount');
    });
  } else {
    transaction.getReactMountReady().enqueue(inst.componentDidMount, inst);
  }
}

_reactCompositeComponent: _prodInvariant(‘106’, this.getName() || ‘ReactCompositeComponent’): void 0;

this.performInitialMountWithErrorHandling = function (renderedElement, hostParent, hostContainerInfo, transaction, context) {
  var initialState;
  if (initialState === undefined) {
    inst.state = initialState = null;
  }

  !(typeof initialState === ‘object’ && !Array.isArray(initialState)) ? process.env.NODE_ENV !== ‘production’ ? invariant(false, ‘%s.state: must be set to an object or null’, this.getName() || ‘ReactCompositeComponent’) : _prodInvariant(‘106’, this.getName() || ‘ReactCompositeComponent’) : void 0;

  this._pendingStateQueue = null;
  this._pendingReplaceState = false;
  this._pendingForceUpdate = false;

  var markup = this.performInitialMountWithErrorHandling(renderedElement, hostParent, hostContainerInfo, transaction, context);
}

else {
  markup = this.performInitialMount(renderedElement, hostParent, hostContainerInfo, transaction, context);
}

if (inst.componentDidMount) {
  if (process.env.NODE_ENV !== ‘production’) {
    transaction.getReactMountReady().enqueue(function () {
      measureLifeCyclePerf(function () {
        return inst.componentDidMount();
      }, this._debugID, ‘componentDidMount’);
    });
  } else {
    transaction.getReactMountReady().enqueue(inst.componentDidMount, inst);
  }
}

_constructComponent: function (doConstruct, publicProps, publicContext, updateQueue) {
  if (process.env.NODE_ENV !== ‘production’) {
    return _prodInvariant(‘106’, this.getName() || ‘ReactCompositeComponent’): void 0;
  }

  return _constructComponentWithoutOwner(doConstruct, publicProps, publicContext, updateQueue);
}

finally {
  ReactCurrentOwner.current = null;
}
else {
  return _constructComponentWithoutOwner(doConstruct, publicProps, publicContext, updateQueue);
}

_constructComponentWithoutOwner: function (doConstruct, publicProps, publicContext, updateQueue) {
  var Component = this._currentElement.type;

  if (doConstruct) {
    if (process.env.NODE_ENV !== ‘production’) {
      return measureLifeCyclePerf(function () {
        return new Component(publicProps, publicContext, updateQueue);
      }, this._debugID, ‘ctor’);
    }
  }

  return Component(publicProps, publicContext, updateQueue);
}

var Component = this._currentElement.type;

if (doConstruct) {
  if (process.env.NODE_ENV !== ‘production’) {
    return measureLifeCyclePerf(function () {
      return new Component(publicProps, publicContext, updateQueue);
    }, this._debugID, ‘ctor’);
  }

  return Component(publicProps, publicContext, updateQueue);
}

performInitialMountWithErrorHandling: function (renderedElement, hostParent, hostContainerInfo, transaction, context) {
  var markup;

  var checkpoint = transaction.checkpoint();

  try {
    markup = this.performInitialMountWithErrorHandling(renderedElement, hostParent, hostContainerInfo, transaction, context);
  } finally {
    transaction.rollback(checkpoint);
    this._instance.unstable_handleError(e);
    if (this._pendingStateQueue) {
      this._instance.state = this._processPendingState(this._instance.state, false);
    }
  }

  return _constructComponentWithoutOwner(doConstruct, publicProps, publicContext, updateQueue);
}


this._instance.context);
      }
      checkpoint = transaction.checkpoint();
      this._renderedComponent.unmountComponent(true);
      transaction.rollback(checkpoint);
    }

    if (this.performInitialMount(renderedElement, hostParent, hostContainerInfo, transaction, context) === null) {
      return null;
    }
    var inst = this._instance;
    var debugID = 0;
    if (process.env.NODE_ENV !== 'production') {
      debugID = this._debugID;
    }
    var context = inst.context;
    if (inst.componentWillMount) {
      if (process.env.NODE_ENV !== 'production') {
        measureLifeCyclePerf(function () {
          return inst.componentWillMount();
        }, debugID, 'componentWillMount');
      } else {
        inst.componentWillMount();
      }
    }
    var nodeType = ReactNodeTypes.getType(renderedElement);
    var child = this._instantiateReactComponent(renderedElement, nodeType !== ReactNodeTypes.EMPTY /* shouldHaveDebugID */);
    var markup = ReactReconciler.mountComponent(child, transaction, hostParent, hostContainerInfo, this._processChildContext(context), debugID);
    if (process.env.NODE_ENV !== 'production') {
      if (debugID !== 0) {
        var childDebugIDs = child._debugID !== 0 ? [child._debugID] : [];
        ReactInstrumentation.debugTool.onSetChildren(debugID, childDebugIDs);
      }
    }
    return markup;
  },

  performInitialMount: function (renderedElement, hostParent, hostContainerInfo, transaction, context) {
    var inst = this._instance;
    var context = inst.context;
    if (inst.componentWillMount) {
      if (process.env.NODE_ENV !== 'production') {
        measureLifeCyclePerf(function () {
          return inst.componentWillMount();
        }, inst._instance ? inst._instance.componentWillMount : inst.componentWillMount, 'componentWillMount');
      } else {
        inst.componentWillMount();
      }
    }
    var nodeType = ReactNodeTypes.getType(renderedElement);
    var child = this._instantiateReactComponent(renderedElement, nodeType !== ReactNodeTypes.EMPTY /* shouldHaveDebugID */);
    var markup = ReactReconciler.mountComponent(child, transaction, hostParent, hostContainerInfo, this._processChildContext(context), debugID);
    if (process.env.NODE_ENV !== 'production') {
      if (debugID !== 0) {
        var childDebugIDs = child._debugID !== 0 ? [child._debugID] : [];
        ReactInstrumentation.debugTool.onSetChildren(debugID, childDebugIDs);
      }
    }
    return markup;
  },

  _maskContext: function (context) {
    var Component = this._currentElement.type;
    var contextTypes = Component.contextTypes;
    if (!contextTypes) {
      return emptyObject;
    }
    var maskedContext = {};
    for (var contextName in contextTypes) {
      maskedContext[contextName] = context[contextName];
    }
    return maskedContext;
  },

  _processContext: function (context) {
    var context = this._maskContext(context);
    if
process.env.NODE_ENV !== 'production') {
      var Component = this._currentElement.type;
      if (Component.contextTypes) {
        return this._checkContextTypes(Component.contextTypes, maskedContext, 'context');
      } else if (typeof Component.childContextTypes === 'object') {
        return this._checkContextTypes(Component.childContextTypes, null, 'child context');
      } else if (process.env.NODE_ENV !== 'production') {
        invariant(false, '%s.getChildContext(): childContextTypes must be defined in order to use getChildContext().', this.getName() || 'ReactCompositeComponent');
      }
    }

    for (var name in childContext) {
      invariant(name in Component.childContextTypes, '%s.getChildContext(): key "%s" is not defined in childContextTypes.', this.getName() || 'ReactCompositeComponent', name);
    }
    return _assign({}, currentContext, childContext);
  },

  _checkContextTypes: function (typeSpecs, values, location) {
    if (process.env.NODE_ENV !== 'production') {
      checkReactTypeSpec(typeSpecs, values, location, this.getName(), null, this._debugID);
    }
  },

  receiveComponent: function (nextElement, transaction, nextContext) {
    var prevElement = this._currentElement;
    var prevContext = this._context;

    this._pendingElement = null;

    this.updateComponent(transaction, prevElement, nextElement, prevContext, nextContext);
  },

  performUpdateIfNecessary: function (transaction) {
    if (this._pendingElement != null) {
      ReactReconciler.receiveComponent(this, this._pendingElement, transaction, this._context);
    } else if (this._pendingStateQueue !== null || this._pendingForceUpdate) {
      this.updateComponent(transaction, this._currentElement, this._currentElement, this._context, this._context);
    } else if (this._pendingBatchNumber !== null) {
      this.updateComponent(transaction, this._currentElement, this._currentElement, this._context, this._context);
    } else {
      return this._updateBatchNumber = null;
    }
  },

  updateComponent: function (transaction, prevParentElement, nextParentElement, prevUnmaskedContext, nextUnmaskedContext) {
    var inst = this._instance;
    invariant(inst != null, 'Attempted to update component `%s` that has already been unmounted (or failed to mount).', this.getName() || 'ReactCompositeComponent');

    var willReceive = false;
    var nextContext;

    if (this._context === nextUnmaskedContext) {
      nextContext = inst.context;
    } else {
      nextContext = this._processContext(nextUnmaskedContext);
      willReceive = true;
    }

    var nextProps = nextParentElement.props;
    var prevProps = prevParentElement.props;

    if (this._pendingElement) {
      this._pendingElement = null;
      this._pendingStateQueue = null;
      this._pendingForceUpdate = null;
      this._pendingBatchNumber = null;
      return;
    }

    if (willReceive) {
      this._pendingBatchNumber = transaction.getUpdateBatchNumber();
      transaction.performUpdateIfNecessary: function (transaction) {
        this._pendingUpdateBatchNumber = null;
      }
    } else if (this._pendingStateQueue) {
      this._pendingStateQueue.nextElement = null;
      this._pendingStateQueue = null;
      this._pendingForceUpdate = null;
      this._pendingBatchNumber = null;
      return;
    }

    // An update here will schedule an update but immediately set
    // pendingStateQueue which will ensure that any state updates get
    // immediately reconciled instead of waiting for the next batch.
    //
(willReceive && inst.componentWillReceiveProps)

  if (process.env.NODE_ENV !== 'production') {
    measureLifeCyclePerf(function () {
      return inst.componentWillReceiveProps(nextProps, nextState);
    }, this._debugID, 'componentWillReceiveProps');
  } else {
    inst.componentWillReceiveProps(nextProps, nextState);
  }
}

var nextState = this._processPendingState(nextProps, nextContext);

shouldUpdate = true;

if (!this._pendingForceUpdate) {
  if (inst.shouldComponentUpdate) {
    if (process.env.NODE_ENV !== 'production') {
      shouldUpdate = measureLifeCyclePerf(function () {
        return inst.shouldComponentUpdate(nextProps, nextState, nextContext);
      }, this._debugID, 'shouldComponentUpdate');
    } else {
      shouldUpdate = inst.shouldComponentUpdate(nextProps, nextState, nextContext);
    }
  }

  if (process.env.NODE_ENV !== 'production') {
    process.env.NODE_ENV !== 'production' ?
      warning(shouldUpdate !== undefined, '%s.shouldComponentUpdate(): Returned undefined instead of a ' + 'boolean value. Make sure to return true or false.', this.getName() || 'ReactCompositeComponent') : void 0;
  }

  this._updateBatchNumber = null;
  if (shouldUpdate) {
    this._pendingForceUpdate = false;
    // Will set `this.props`, `this.state` and `this.context`.
    this._performComponentUpdate(nextParentElement, nextProps, nextState, nextContext, transaction, nextUnmaskedContext);
  } else {
    // If it’s determined that a component should not update, we still want to set props and state but we shortcut the rest of the update.
    this._currentElement = nextParentElement;
    this._context = nextUnmaskedContext;
    inst.props = nextProps;
    inst.state = nextState;
    inst.context = nextContext;
  }

  _processPendingState: function (props, context) {
    var inst = this._instance;
    var queue = this._pendingStateQueue;
    var replace = this._pendingReplaceState;
    this._pendingReplaceState = false;
    this._pendingStateQueue = null;

    if (!queue) {
      return inst.state;
    }

    if (replace && queue.length === 1) {
      return queue[0];
    }

    var nextState = _assign({}, replace ? queue[0] : inst.state);
    for (var i = replace ? 1 : 0; i < queue.length; i++) {
      var partial = queue[i];
      _assign(nextState, typeof partial === 'function' ? partial.call(inst, nextState, props, context) : partial);
    }

    return nextState;
  },

  /**
   * Merges new props and state, notifies delegate methods of update and
   * performs update.
   *
   * @param {ReactElement} nextElement Next element
   * @param {object} nextProps Next public object to set as properties.
   * @param {?object} nextState Next object to set as state.
   * @param {?object} nextContext Next public object to set as context.
   * @param {ReactReconcileTransaction} transaction
   * @param {?object} nextUnmaskedContext
   * @private
   * @param {boolean} shouldComponentUpdate
   */
  _performComponentUpdate: function (nextElement, nextProps, nextState, nextContext, transaction, unmaskedContext) {
    var _this2 = this;

    var inst = this._instance;

    hasComponentDidUpdate = Boolean(inst.componentDidUpdate);
    var prevProps;
    var prevState;
    var prevContext;
    if (hasComponentDidUpdate) {
      prevProps = inst.props;
      prevState = inst.state;
      prevContext = inst.context;
    }

    if (inst.componentWillUpdate) {
      if (process.env.NODE_ENV !== 'production') {
        measureLifeCyclePerf(inst.componentWillUpdate.bind(inst, prevProps, prevState, prevContext), _this2._debugID, 'componentWillUpdate');
      } else {
        inst.componentWillUpdate(prevProps, prevState, prevContext);
      }

      // Will set `this.props`, `this.state` and `this.context`.
      this._currentElement = nextElement;
      this._context = unmaskedContext;
      inst.props = nextProps;
      inst.state = nextState;
      inst.context = nextContext;
    }

    if (hasComponentDidUpdate) {
      if (process.env.NODE_ENV !== 'production') {
        transaction.getReactMountReady().enqueue(function () {
          transaction.getReactMountReady().enqueue(function () {
            transaction.getReactMountReady().enqueue(function () {
              transaction.getReactMountReady().enqueue(function () {
                transaction.getReactMountReady().enqueue(function () {
                  transaction.getReactMountReady().enqueue(function () {
                    transaction.getReactMountReady().enqueue(function () {
                      transaction.getReactMountReady().enqueue(function () {
                        transaction.getReactMountReady().enqueue(function () {
                          transaction.getReactMountReady().enqueue(function () {
                            transaction.getReactMountReady().enqueue(function () {
                          });
                      });
                    });
                  });
                });
              });
            });
          });
        });
      }

      transaction.getReactMountReady().enqueue(function () {
        inst.componentDidUpdate(prevProps, prevState, prevContext);
      }, inst);
    }

    this._updateRenderedComponent(transaction, unmaskedContext);
    this._updateValidatedComponent(transaction, context);
    transaction.getReactMountReady().enqueue(function () {
      var prevComponentInstance = this._renderedComponent;
      prevRenderedElement = prevComponentInstance._currentElement;
      var nextRenderedElement = this._renderValidatedComponent();
      var debugID = 0;
      if
(process.env.NODE_ENV !== 'production') {
  debugID = this._debugID;
}

if (shouldUpdateReactComponent(prevRenderedElement, nextRenderedElement)) {
  ReactReconciler.receiveComponent(prevComponentInstance, nextRenderedElement, transaction,
this._processChildContext(context));
} else {
  var oldHostNode = ReactReconciler.getHostNode(prevComponentInstance);

  ReactReconciler.unmountComponent(prevComponentInstance, false);
  var nodeType = ReactNodeTypes.getType(nextRenderedElement);
  this._renderedComponent = child;
  var nextMarkup = ReactReconciler.mountComponent(child, transaction, this._hostParent,
this._hostContainerInfo, this._processChildContext(context), debugID);

  if (process.env.NODE_ENV !== 'production') {
    if (debugID !== 0) {
      var childDebugIDs = child._debugID !== 0 ? [child._debugID] : [];
    }
    ReactInstrumentation.debugTool.onSetChildren(debugID, childDebugIDs);
  }

  this._replaceNodeWithMarkup(oldHostNode, nextMarkup, prevComponentInstance);
}

/**
 * Overridden in shallow rendering.
 *
 * @protected
 */
this._replaceNodeWithMarkup = function (oldHostNode, nextMarkup, prevInstance) {
  ReactComponentEnvironment.replaceNodeWithMarkup(oldHostNode, nextMarkup, prevInstance);
}

/**
 * @protected
 */
this._renderValidatedComponentWithoutOwnerOrContext = function () {
  var inst = this._instance;
  var renderedElement;

  if (process.env.NODE_ENV !== 'production') {
    renderedElement = measureLifeCyclePerf(function () {
      return inst.render();
    }, this._debugID, 'render');
  } else {
    renderedElement = inst.render();
  }

  if (process.env.NODE_ENV !== 'production') {
    // We allow auto-mocks to proceed as if they're returning null.
    if (renderedElement === undefined && &inst.render_isMockFunction) {
      // This is probably bad practice. Consider warning here and
      // deprecating this convenience.
      renderedElement = null;
    }

    if (renderedElement !== null) {
      var renderedElement = this._renderValidatedComponentWithoutOwnerOrContext();
    }
  } finally {
    ReactCurrentOwner.current = null;
  }

  if (process.env.NODE_ENV !== 'production' || this._compositeType !== CompositeTypes.StatelessFunctional) {
    ReactCurrentOwner.current = this;
    try {
      renderedElement = this._renderValidatedComponentWithoutOwnerOrContext();
    } finally {
      ReactCurrentOwner.current = null;
    }
  }

  if (null || renderedElement !== null) {
    ReactComponentEnvironment.replaceNodeWithMarkup(oldHostNode, nextMarkup, prevInstance);
  }

  if (null || renderedElement !== null) {
    if (process.env.NODE_ENV !== 'production' || this._compositeType !== CompositeTypes.StatelessFunctional) {
      invariant(false, '%s.render(): A valid React element (or null) must be returned. You may have returned undefined, an array or some other invalid object.', this.getName() || 'ReactCompositeComponent');
    }
  }

  return renderedElement;
}

/**
 * Lazily allocates the refs object and stores `component` as `ref`.
 *
 * @param {string} ref Reference name.
 * @param {component} component Component to store as `ref`.
 * @final
 * @private
 */
this.attachRef = function (ref, component) {
  var inst = this.getPublicInstance();
  !(inst != null) ?
    process.env.NODE_ENV !== 'production' ? invariant(false, 'Stateless function components cannot have refs.') :
    _prodInvariant('110') : void 0;
  var publicComponentInstance = component.getPublicInstance();

  if (process.env.NODE_ENV !== 'production') {
    var componentName = component && component.getName ?
      componentName : 'a component';
    process.env.NODE_ENV !== 'production' ? warning(publicComponentInstance !== null || component._compositeType !== CompositeTypes.StatelessFunctional, 'Stateless function components cannot have refs. ' + 'Use a real React component instead. If you want to ' + 'mark this component with a unique identifier for ' + 'tracking purposes, use a `ref` prop instead.
    
  } Finally {
    ReactCurrentOwner.current = this;
    try {
      renderedElement = this._renderValidatedComponentWithoutOwnerOrContext();
    } finally {
      ReactCurrentOwner.current = null;
    }
  }

  if (null || renderedElement !== null) {
    ReactComponentEnvironment.replaceNodeWithMarkup(oldHostNode, nextMarkup, prevInstance);
  }

  if (null || renderedElement !== null) {
    if (process.env.NODE_ENV !== 'production' || this._compositeType !== CompositeTypes.StatelessFunctional) {
      invariant(false, '%s.render(): A valid React element (or null) must be returned. You may have returned undefined, an array or some other invalid object.', this.getName() || 'ReactCompositeComponent');
    }
  }

  return renderedElement;
}

/**
 * Detaches a reference.
 *
 * @param {string} ref Name to dereference.
 * @final
 * @private
 */
this.detachRef = function (ref) {
  var refs = this.getPublicInstance().refs;
  delete refs[ref];
}

/**
 * Get a text description of the component that can be used to identify it
 * in error messages.
 */
KeyEscapeUtils.unescape(name), ReactComponentTreeHook.getStackAddendumBy[ID](selfDebugID) : void 0;
ReactServerUpdateQueue.prototype.isMounted = function isMounted(publicInstance) {
    return false;
  };

  ReactServerUpdateQueue.prototype.enqueueCallback = function enqueueCallback(publicInstance, callback, callerName) {
    if (this.transaction.isInTransaction()) {
      ReactUpdateQueue.enqueueCallback(publicInstance, callback, callerName);
    } else {
      warnNoop(publicInstance, 'enqueueCallback');
    }
  };

  ReactServerUpdateQueue.prototype.enqueueForceUpdate = function enqueueForceUpdate(publicInstance) {
    if (this.transaction.isInTransaction()) {
      ReactUpdateQueue.enqueueForceUpdate(publicInstance);
    } else {
      warnNoop(publicInstance, 'enqueueForceUpdate');
    }
  };

  ReactServerUpdateQueue.prototype.enqueueReplaceState = function enqueueReplaceState(publicInstance, completeState) {
    if (this.transaction.isInTransaction()) {
      ReactUpdateQueue.enqueueReplaceState(publicInstance, completeState);
    } else {
      warnNoop(publicInstance, 'enqueueReplaceState');
    }
  };

  ReactServerUpdateQueue.prototype.enqueueSetState = function enqueueSetState(publicInstance, partialState) {
    if (this.transaction.isInTransaction()) {
      ReactUpdateQueue.enqueueSetState(publicInstance, partialState);
    } else {
      warnNoop(publicInstance, 'enqueueSetState');
    }
  };

  return ReactServerUpdateQueue;
}();

module.exports = ReactServerUpdateQueue;


//////////////////
// WEBPACK FOOTER
// module id = 820
// module chunks = 0
ReactDOMComponentTree.uncacheNode(this);
}

module.exports = ReactDOMEmptyComponent;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-
//DOM/lib/ReactDOMEmptyComponent.js
// module id = 821
// module chunks = 0
/*use strict*/

var _prodInvariant = require('./reactProdInvariant');

var _assign = require('object-assign');

var DOMChildrenOperations = require('./DOMChildrenOperations');
var DOMLazyTree = require('./DOMLazyTree');
var ReactDOMComponentTree = require('./ReactDOMComponentTree');

var escapeTextContentForBrowser = require('./escapeTextContentForBrowser');
var invariant = require('fbjs/lib/invariant');
var validateDOMNesting = require('./validateDOMNesting');

/**
 * Text nodes violate a couple assumptions that React makes about
 * components:
 * - When mounting text into the DOM, adjacent text nodes are merged.
 * - Text nodes cannot
 *    be assigned a React root ID.
 *
 * This component is used to wrap strings between comment nodes so that they

 * should receive a 'mouseEnter' or 'mouseLeave' event.
 * Does not invoke the callback on the nearest common ancestor because nothing
 * \`\`entered\`\` or \`\`left\`\" that element.
 *
 * Simulates the traversal of a two-phase, capture/bubble event dispatch.
 * Traverses the ID hierarchy and invokes the supplied \`cb\` on any IDs
 * that\nn * would receive a 'mouseEnter' or 'mouseLeave' event.
 * Does not invoke the callback on the nearest common ancestor because nothing
 * \`\`entered\`\` or \`\`left\`\" that element.
 *
 * Simulates the traversal of a two-phase, capture/bubble event dispatch.
 */

function traverseEnterLeave(from, to, fn, argFrom, argTo) {
  var common = from && to ?
    getLowestCommonAncestor(from, to) : null;
  var varPathFrom = []; while (from && from !== common) {
    from = from._hostParent;
    var varPathTo = []; while (to && to !== common) {
      to = to._hostParent;
      var varPathTo.push(escapeTextContentForBrowser(fn(pathFrom[i], 'bubbled', argFrom)));
      for (i = pathTo.length; i-- > 0;) {
        fn(pathTo[i], 'captured', argTo);
      }
    }
  }
  for (i = 0; i < varPathFrom.length; i++) {
    fn(varPathFrom[i], 'bubbled', argFrom);
  }
  for (i = 0; i < varPathTo.length; i++) {
    fn(varPathTo[i], 'captured', argTo);
  }
}

module.exports = {
  isAncestor: isAncestor,
  getLowestCommonAncestor: getLowestCommonAncestor,
  getParentInstance: getParentInstance,
  traverseTwoPhase: traverseTwoPhase,
  traverseEnterLeave: traverseEnterLeave
};


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-
//DOM/lib/ReactDOMTreeTraversal.js
// module id = 822
// module chunks = 0
/*use strict*/

var _prodInvariant = require('./reactProdInvariant'),

var _assign = require('object-assign');

var DOMChildrenOperations = require('./DOMChildrenOperations');
var
DOMLazyTree = require('./DOMLazyTree');
var ReactDOMComponentTree = require('./ReactDOMComponentTree');

var escapeTextContentForBrowser = require('./escapeTextContentForBrowser');
var invariant = require('fbjs/lib/invariant');
var validateDOMNesting = require('./validateDOMNesting');

/**
 * Text nodes violate a couple assumptions that React makes about
 * components:
 * - When mounting text into the DOM, adjacent text nodes are merged.
 * - Text nodes cannot
 *    be assigned a React root ID.
 *
 * This component is used to wrap strings between comment nodes so that they

 * should receive a 'mouseEnter' or 'mouseLeave' event.
 * Does not invoke the callback on the nearest common ancestor because nothing
 * \`\`entered\`\` or \`\`left\`\" that element.
 *
 * Simulates the traversal of a two-phase, capture/bubble event dispatch.
 * Traverses the ID hierarchy and invokes the supplied \`cb\` on any IDs
 * that\nn * would receive a 'mouseEnter' or 'mouseLeave' event.
 * Does not invoke the callback on the nearest common ancestor because nothing
 * \`\`entered\`\` or \`\`left\`\" that element.
 *
 * Simulates the traversal of a two-phase, capture/bubble event dispatch.
 */

function traverseEnterLeave(from, to, fn, argFrom, argTo) {
  var common = from && to ?
    getLowestCommonAncestor(from, to) : null;
  var varPathFrom = []; while (from && from !== common) {
    from = from._hostParent;
    var varPathTo = []; while (to && to !== common) {
      to = to._hostParent;
      var varPathTo.push(escapeTextContentForBrowser(fn(pathFrom[i], 'bubbled', argFrom)));
      for (i = pathTo.length; i-- > 0;) {
        fn(pathTo[i], 'captured', argTo);
      }
    }
  }
  for (i = 0; i < varPathFrom.length; i++) {
    fn(varPathFrom[i], 'bubbled', argFrom);
  }
  for (i = 0; i < varPathTo.length; i++) {
    fn(varPathTo[i], 'captured', argTo);
  }
}

module.exports = {
  isAncestor: isAncestor,
  getLowestCommonAncestor: getLowestCommonAncestor,
  getParentInstance: getParentInstance,
  traverseTwoPhase: traverseTwoPhase,
  traverseEnterLeave: traverseEnterLeave
};


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components in the DOM with text nodes.

```javascript
* @class ReactDOMTextComponent
* @extends ReactComponent
* @internal
*/
var ReactDOMTextComponent = function (text) {
  // TODO: This is really a
  // react-text (ReactNode), not a ReactElement
  this._currentElement = text;
  this._stringText = '' + text;
  // ReactDOMComponentTree uses these:
  this._hostNode = null;
  this._hostParent = null;
  // Properties:
  this._domID = 0;
  this._mountIndex = 0;
  this._closingComment = null;
  this._commentNodes = null;
};

_assign(ReactDOMTextComponent.prototype, {
  /**
   * Creates the markup for this text node. This
   * node is not intended to have
   * any features besides containing text content.
   * @param {ReactReconcileTransaction|ReactServerRenderingTransaction} transaction
   * @return {string} Markup for this text node.
   * @internal
   */
  mountComponent: function (transaction, hostParent, hostContainerInfo, context) {
    if (process.env.NODE_ENV !== 'production') {
      var parentInfo;
      if (hostParent != null) {
        parentInfo = hostParent._ancestorInfo;
      } else if (hostContainerInfo != null) {
        parentInfo = hostContainerInfo._ancestorInfo;
      }
      if (parentInfo) {
        // parentInfo should always be present except
        // for the top-level component when server rendering
        validateDOMNesting(null, this._stringText, this,
                        parentInfo);
      }

      var domID = hostContainerInfo._idCounter++;
      var openingValue = ' react-text: ' + domID + ' ';
      var closingValue = ' /react-text ';
      this._domID = domID;
      this._hostParent = hostParent;
      if (transaction.useCreateElement) {
        var ownerDocument = hostContainerInfo._ownerDocument;
        var openingComment = ownerDocument.createComment(openingValue);
        var closingComment = ownerDocument.createComment(closingValue);
        var lazyTree = DOMLazyTree(ownerDocument.createTextNode(this._stringText));
        if (transaction.renderToStaticMarkup) {
          return escapedText;
        }

        return '<!--' + openingValue + '-->' + escapedText + '<!--' + closingValue + '-->';
      } else {
        var escapedText = escapeTextContentForBrowser(this._stringText);
        if (transaction.renderToStaticMarkup) {
          // Normally we'd wrap this between comment nodes for the reasons stated
          // above, but since this is a situation where
          React won't take over
          // (static pages), we can simply return the text as it is.
          return escapedText;
        }

        var nextText = escapedText + openingValue + ' + ' + closingValue + ' ';
        DOMChildrenOperations.replaceDelimitedText(this.getHostNode(), nextText);
      }
    }

    if (transaction.receiveComponent) {
      var nextText = escapedText + openingValue + ' + ' + closingValue + ' ';
      DOMChildrenOperations.replaceDelimitedText(this.getHostNode(), nextText);
    }

    if (transaction.updateComponent) {
      var nextText = escapedText + openingValue + ' + ' + closingValue + ' ';
      DOMChildrenOperations.replaceDelimitedText(this.getHostNode(), nextText);
    }

    ReactComponentTree.prototype.receiveComponent.call(this, nextText);
}

module.exports = ReactDOMTextComponent;
```

---

Open Source Used In SDWan 20.4.1 7082
the root directory of this source tree.\n */

'use strict';

var _assign = require('object-assign');

var ReactUpdates = require('./ReactUpdates');
var Transaction = require('./Transaction');

var emptyFunction = require('fbjs/lib/emptyFunction');

var RESET_BATCHED_UPDATES = {initialize: emptyFunction, close: function () { ReactDefaultBatchingStrategy.isBatchingUpdates = false; }};

FLUSH_BATCHED_UPDATES = {initialize: emptyFunction, close: ReactUpdates.flushBatchedUpdates.bind(ReactUpdates)};

TRANSACTION_WRAPPERS = [FLUSH_BATCHED_UPDATES, RESET_BATCHED_UPDATES];

ReactDefaultBatchingStrategyTransaction = function () {
  this.reinitializeTransaction();
}

_assign(ReactDefaultBatchingStrategyTransaction.prototype, Transaction, {
  getTransactionWrappers: function () {
    return TRANSACTION_WRAPPERS;
  }
});

transaction = new ReactDefaultBatchingStrategyTransaction();

ReactDefaultBatchingStrategy = {
  isBatchingUpdates: false,

  /**
   * Call the provided function in a context within which calls to `setState`
   * and friends are
   * batched such that components aren't updated unnecessarily.
   */
  batchedUpdates: function (callback, a, b, c, d, e) {
    var alreadyBatchingUpdates = ReactDefaultBatchingStrategy.isBatchingUpdates;

    ReactDefaultBatchingStrategy.isBatchingUpdates = true;

    if (alreadyBatchingUpdates) {
      callback(a, b, c, d, e);
    } else {
      transaction.perform(callback, null, a, b, c, d, e);
    }
  }
};

module.exports = ReactDefaultBatchingStrategy;
setHandleTopLevel: function (handleTopLevel) {
  ReactEventListener._handleTopLevel = handleTopLevel;
},

setEnabled: function (enabled) {
  ReactEventListener._enabled = !!enabled;
},

isEnabled: function () {
  return ReactEventListener._enabled;
},

*!*un * @param [string] topLevelType Record from 'EventConstants'.
*!*un * @param [string] handlerBaseName Event name (e.g. 'click').
*!*un * @param [object] element Element on which to attach listener.
*!*un * @return {?object} An object with a remove function which will forcefully
*!*un * remove the listener.

*!*un * @internal
*!*un * @return EventListenerFunction: function (topLevelType, handlerBaseName, element) {
*!*un * if (!element) {
*!*un * return null;
*!*un * }
*!*un * return EventListener.listen(element, handlerBaseName, ReactEventListener.dispatchEvent.bind(null, topLevelType));
},

*!*un * @param [string] topLevelType Record from 'EventConstants'.
*!*un * @param [string] handlerBaseName Event name (e.g. 'click').
*!*un * @param [object] element Element on which to attach listener.

*!*un * @return {?object} An object with a remove function which will forcefully
*!*un * remove the listener.

*!*un * @internal
*!*un * @return EventListenerFunction: function (topLevelType, handlerBaseName, element) {
*!*un * if (!element) {
*!*un * return null;
*!*un * }
*!*un * return EventListener.capture(element, handlerBaseName, ReactEventListener.dispatchEvent.bind(null, topLevelType));
},

monitorScrollValue: function (refresh) {
  var callback = scrollValueMonitor.bind(null, refresh);
  ReactEventListener.monitorScrollValue = function (refresh) {
    var callback = scrollValueMonitor.bind(null, refresh);
    ReactEventListener.listen(window, 'scroll', callback);
  },

  trapBubbledEvent: function (topLevelType, handlerBaseName, element) {
    if (!element) {
      return null;
    }
    return EventListener.listen(element, handlerBaseName, ReactEventListener.dispatchEvent.bind(null, topLevelType));
  },

  trapCapturedEvent: function (topLevelType, handlerBaseName, element) {
    if (!element) {
      return null;
    }
    return EventListener.capture(element, handlerBaseName, ReactEventListener.dispatchEvent.bind(null, topLevelType));
  },

  dispatchEvent: function (topLevelType, nativeEvent) {
    if (!ReactEventListener._enabled) {
      return;
    }

    var bookKeeping = TopLevelCallbackBookKeeping.getPooled(topLevelType, nativeEvent);
    try {
      // Event queue being processed in the same cycle allows
      // `preventDefault`.
      ReactUpdates.batchedUpdates(handleTopLevelImpl, bookKeeping);
    } finally {
      TopLevelCallbackBookKeeping.release(bookKeeping);
    }
  },
}

module.exports = ReactEventListener;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/ReactEventListener.js
// module id = 825
// module chunks = 0

/**
 * Copyright (c) 2013-present,
 * Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

/**
 * Gets the scroll position of the
 * supplied element or window.
 *
 * The return values are unbounded, unlike `getScrollPosition`. This means they
 * may be negative or exceed the element boundaries (which is possible using
 * inertial scrolling).
 *
 * @param {DOMWindow|DOMElement} scrollable
 * @return {object} Map with `x` and `y` keys.
 */

function getUnboundedScrollPosition(scrollable) {
  if (scrollable.Window && scrollable instanceof scrollable.Window)
    return {
      x: scrollable.pageXOffset || scrollable.document.documentElement.scrollLeft,
      y: scrollable.pageYOffset || scrollable.document.documentElement.scrollTop
    };
  return {
    x: scrollable.scrollLeft,
    y: scrollable.scrollTop
  };
}

module.exports = getUnboundedScrollPosition;


//////////////////
// WEBPACK FOOTER
// ./node_modules/fbjs/lib/getUnboundedScrollPosition.js
// module id = 826
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
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 * LICENSE file in the root directory of this source tree.
 *
 */

'use strict';

var DOMProperty = require('./DOMProperty');
var EventPluginHub = require('./EventPluginHub');
var EventPluginUtils = require('./EventPluginUtils');
var ReactComponentEnvironment = require('./ReactComponentEnvironment');
var ReactEmptyComponent = require('./ReactEmptyComponent');
var ReactBrowserEventEmitter = require('./ReactBrowserEventEmitter');
var ReactHostComponent = require('./ReactHostComponent');
var ReactUpdates = require('./ReactUpdates');

var ReactInjection = {
  Component: ReactComponentEnvironment.injection,
  DOMProperty: DOMProperty.injection,
  EmptyComponent: ReactEmptyComponent.injection,
  EventPluginHub: EventPluginHub.injection,
  EventPluginUtils: EventPluginUtils.injection,
  EventEmitter: ReactBrowserEventEmitter.injection,
  HostComponent: ReactHostComponent.injection,
  Updates: ReactUpdates.injection
};

module.exports = ReactInjection;


//////////////////
// WEBPACK FOOTER
// ./node_modules/react-dom/lib/ReactInjection.js
// module id = 827
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
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 * LICENSE file in the root directory of this source tree.
 *
 * @typechecks
 */

/**
 * Copyright (c) 2013-present,
 * Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the
 * LICENSE file in the root directory of this source tree.
 *
 * @typechecks
 */

'use strict';

try {
  // Event queue being processed in the same cycle allows
  // `preventDefault`.
  ReactUpdates.batchedUpdates(handleTopLevelImpl, bookKeeping);
} finally {
  TopLevelCallbackBookKeeping.release(bookKeeping);
}


'use strict';

var _assign = require('object-assign');

var CallbackQueue = require('./CallbackQueue');

var PooledClass = require('./PooledClass');

var ReactBrowserEventEmitter = require('./ReactBrowserEventEmitter');

var ReactInputSelection = require('./ReactInputSelection');

var ReactInstrumentation = require('./ReactInstrumentation');

var Transaction = require('./Transaction');

var ReactUpdateQueue = require('./ReactUpdateQueue');

/**
 * Ensures that, when possible, the selection range (currently selected text * input) is not disturbed by performing the transaction.
 */
var selectionRestoration = {
  /**
   * @return {Selection} Selection information.
   */
  initialize: ReactInputSelection.getSelectionInformation,

  /**
   * @param {Selection} sel Selection information returned from `initialize`.
   */
  close: ReactInputSelection.restoreSelection
};

/**
 * Suppresses events (blur/focus) that could be inadvertently dispatched due to
 * high level DOM manipulations (like temporarily removing a text input from the
 * DOM).
 */
var eventSuppression = {
  /**
   * @return {boolean} The enabled status of `ReactBrowserEventEmitter` before
   * the reconciliation occurred.
   */
  initialize: function () {
    var currentlyEnabled = ReactBrowserEventEmitter.isEnabled();
    ReactBrowserEventEmitter.setEnabled(false);
    return currentlyEnabled;
  },

  /**
   * @param {boolean} previouslyEnabled Enabled status before the reconciliation
   * occurred. `close` restores the previous value.
   */
  close: function (previouslyEnabled) {
    ReactBrowserEventEmitter.setEnabled(previouslyEnabled);
  }
};

var onDomReadyQueueing = {
  /**
   * Initializes the internal `onDOMReady` queue.
   */
  initialize: function () {
    this.reactMountReady.reset();
  },

  /**
   * After DOM is flushed, invoke all registered `onDOMReady` callbacks.
   */
  close: function () {
    this.reactMountReady.notifyAll();
  }
};

/**
 * Executed within the scope of the `Transaction` instance. Consider these as
 * being member methods, but with an implied ordering while being isolated from
 * each other.
 */
var transactionWrappers = [
  selectionRestoration,
  eventSuppression,
  onDomReadyQueueing
];

if (process.env.NODE_ENV !== 'production') {
  transactionWrappers.push({
    initialize: ReactInstrumentation.debugTool.onBeginFlush,
    close: ReactInstrumentation.debugTool.onEndFlush
  });
}

/**
 * @class ReactReconcileTransaction
 */
function ReactReconcileTransaction(useCreateElement) {
  this.reinitializeTransaction();

  // Only server-side rendering really needs this option (see
  // `ReactServerRendering`), but server-side uses the
  // `ReactServerRenderingTransaction` instead. This option is here so that it's
  // accessible and defaults to false when
  // `ReactDOMComponent` and
  // `ReactDOMTextComponent` checks it in `mountComponent`.
  this.renderToStaticMarkup = false;

  this.reactMountReady = CallbackQueue.getPooled(null);

  this.useCreateElement = useCreateElement;
}

varMixin = {
  /**
   * @return {array<object>} List of operation wrap procedures.
   * TODO: convert to array<TransactionWrapper>
   */
  getTransactionWrappers: function () {
    return transactionWrappers;
  },

  /**
   * @return {object} The queue to collect React async events.
   */
  getUpdateQueue: function () {
    return ReactUpdateQueue;
  },

  /**
   * `PooledClass` looks for this, and will invoke this before allowing this
   * instance to be reused.
   */
  destructor: function () {
    CallbackQueue.release(this.reactMountReady);
    this.reactMountReady = null;
  }
};

_assign(ReactReconcileTransaction.prototype, Transaction,
Mixin);

PooledClass.addPoolingTo(ReactReconcileTransaction);

module.exports = ReactReconcileTransaction;

//////////////////
// WEBPACK FOOTER
// module id = 828
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
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 */

'use strict';

var ExecutionEnvironment = require('fbjs/lib/ExecutionEnvironment');

var getNodeForCharacterOffset = require('./getNodeForCharacterOffset');
var getTextContentAccessor = require('./getTextContentAccessor');

function isCollapsed(anchorNode, anchorOffset, focusNode, focusOffset) {
  return anchorNode === focusNode && anchorOffset === focusOffset;
}

function getIEOffsets(node) {
  var selection = document.selection;
  var selectedRange = selection.createRange();
  var selectedLength = selectedRange.text.length;

  // Duplicate selection so we can move range without breaking user selection.
  var fromStart = selectedRange.duplicate();
  fromStart.moveToElementText(node);
  fromStart.setEndPoint('EndToStart', selectedRange);

  var startOffset = fromStart.text.length;
  var endOffset = startOffset + selectedLength;

  return {
    start: startOffset,
    end: endOffset
  };
}

function getModernOffsets(node) {
  var selection = window.getSelection && window.getSelection();

  if (!selection || selection.rangeCount === 0) {
    return null;
  }

  var anchorNode = selection.anchorNode;
  var anchorOffset = selection.anchorOffset;
  var focusNode = selection.focusNode;
  var focusOffset = selection.focusOffset;

  var currentRange = selection.getRangeAt(0);

  // In Firefox, range.startContainer and range.endContainer can be "anonymous divs", e.g. the up/down buttons on an <input type="number">. Anonymous divs do not seem to expose properties, triggering a "Permission denied" error if any of its properties are accessed. The only seemingly possible way to avoid erroring is to access a property that typically works for non-anonymous divs and catch any error that may otherwise arise. See
  // https://bugzilla.mozilla.org/show_bug.cgi?id=208427

  try {
    /* eslint-disable no-unused-expressions */
    currentRange.startContainer.nodeType;
    currentRange.endContainer.nodeType;
    /* eslint-enable no-unused-expressions */
  } catch (e) {
    return null;
  }

  // If the node and offset values are the same, the selection is collapsed.
  var isSelectionCollapsed = isCollapsed(selection.anchorNode, selection.anchorOffset, selection.focusNode, selection.focusOffset);

  var rangeLength = isSelectionCollapsed ? 0 : currentRange.toString().length;

  var tempRange = currentRange.cloneRange();
  tempRange.selectNodeContents(node);
  tempRange.setEnd(currentRange.startContainer, currentRange.startOffset);  

  var isTempRangeCollided = isCollapsed(tempRange.startContainer, tempRange.startOffset, tempRange.endContainer, tempRange.endOffset);

  var start = tempRange.startOffset + rangeLength;
  var end = start + rangeLength;

  // Detect whether the selection is backward
  var isBackward = currentRange.collapsed;

  return {
    start: isBackward ? end : start,
    end: isBackward ? start : end
  };
}

setIEOffsets = require('./setIEOffsets');

getIEOffsets(node, offsets) {
  var selection = document.selection;
  var startContainer = selection.startContainer;
  var startOffset = selection.startOffset;

  if (selection.rangeCount === 0) {
    return null;
  }

  var anchorNode = selection.anchorNode;
  var anchorOffset = selection.anchorOffset;

  var endContainer = selection.endContainer;
  var endOffset = selection.endOffset;

  var start = anchorOffset;
  var end = anchorOffset + anchorNode.length;

  var tempRange = currentRange.cloneRange();
  tempRange.selectNodeContents(node);

  var isTempRangeCollided = isCollapsed(tempRange.startContainer, tempRange.startOffset, tempRange.endContainer, tempRange.endOffset);

  var start = tempRange.startOffset + rangeLength;
  var end = start + rangeLength;

  // Detect whether the selection is backward
  var isBackward = currentRange.collapsed;

  return {
    start: isBackward ? end : start,
    end: isBackward ? start : end
  };
}

setModernOffsets(node, offsets) {
  var selection = window.getSelection && window.getSelection();

  if (!selection || selection.rangeCount === 0) {
    return null;
  }

  var anchorNode = selection.anchorNode;
  var anchorOffset = selection.anchorOffset;

  var focusNode = selection.focusNode;
  var focusOffset = selection.focusOffset;

  var currentRange = selection.getRangeAt(0);

  // In Firefox, range.startContainer and range.endContainer can be "anonymous divs", e.g. the up/down buttons on an <input type="number">. Anonymous divs do not seem to expose properties, triggering a "Permission denied" error if any of its properties are accessed. The only seemingly possible way to avoid erroring is to access a property that typically works for non-anonymous divs and catch any error that may otherwise arise. See
  // https://bugzilla.mozilla.org/show_bug.cgi?id=208427

  try {
    /* eslint-disable no-unused-expressions */
    currentRange.startContainer.nodeType;
    currentRange.endContainer.nodeType;
    /* eslint-enable no-unused-expressions */
  } catch (e) {
    return null;
  }

  // If the node and offset values are the same, the selection is collapsed.
  var isSelectionCollapsed = isCollapsed(selection.anchorNode, selection.focusNode, selection.anchorOffset, selection.focusOffset);

  var rangeLength = isSelectionCollapsed ? 0 : currentRange.toString().length;

  var tempRange = currentRange.cloneRange();
  tempRange.selectNodeContents(node);

  var isTempRangeCollided = isCollapsed(tempRange.startContainer, tempRange.startOffset, tempRange.endContainer, tempRange.endOffset);

  var start = tempRange.startOffset + rangeLength;
  var end = start + rangeLength;

  // Detect whether the selection is backward
  var isBackward = currentRange.collapsed;

  return {
    start: isBackward ? end : start,
    end: isBackward ? start : end
  };
}

setModernOffsets(node, offsets) {
  var selection = window.getSelection && window.getSelection();

  if (!selection || selection.rangeCount === 0) {
    return null;
  }

  var anchorNode = selection.anchorNode;
  var anchorOffset = selection.anchorOffset;

  var focusNode = selection.focusNode;
  var focusOffset = selection.focusOffset;

  var currentRange = selection.getRangeAt(0);

  // In Firefox, range.startContainer and range.endContainer can be "anonymous divs", e.g. the up/down buttons on an <input type="number">. Anonymous divs do not seem to expose properties, triggering a "Permission denied" error if any of its properties are accessed. The only seemingly possible way to avoid erroring is to access a property that typically works for non-anonymous divs and catch any error that may otherwise arise. See
  // https://bugzilla.mozilla.org/show_bug.cgi?id=208427

  try {
    /* eslint-disable no-unused-expressions */
    currentRange.startContainer.nodeType;
    currentRange.endContainer.nodeType;
    /* eslint-enable no-unused-expressions */
  } catch (e) {
    return null;
  }

  // If the node and offset values are the same, the selection is collapsed.
  var isSelectionCollapsed = isCollapsed(selection.anchorNode, selection.focusNode, selection.anchorOffset, selection.focusOffset);

  var rangeLength = isSelectionCollapsed ? 0 : currentRange.toString().length;

  var tempRange = currentRange.cloneRange();
  tempRange.selectNodeContents(node);

  var isTempRangeCollided = isCollapsed(tempRange.startContainer, tempRange.startOffset, tempRange.endContainer, tempRange.endOffset);

  var start = tempRange.startOffset + rangeLength;
  var end = start + rangeLength;

  // Detect whether the selection is backward
  var isBackward = currentRange.collapsed;

  return {
    start: isBackward ? end : start,
    end: isBackward ? start : end
  };
}
can support both forward and backward selections. Note: IE10+ supports the Selection object, but it does not support the `extend` method, which means that even in modern IE, it's not possible to programmatically create a backward selection. Thus, for all IE versions, we use the old IE API to create our selections.

```javascript
  @param {DOMElement|DOMTextNode} node
  @param {object} offsets

  var selection = window.getSelection();
  var length = node.textContent.length;
  var start = Math.min(offsets.start, length);
  var end = offsets.end === undefined ? start : Math.min(offsets.end, length);

  // IE 11 uses modern selection, but doesn't support the extend method.
  // Flip backward selections, so we can set with a single range.
  if (selection.extend && start > end) {
    var temp = end;
    end = start;
    start = temp;
  }

  var startMarker = getNodeForCharacterOffset(node, start);
  var endMarker = getNodeForCharacterOffset(node, end);

  if (startMarker && endMarker) {
    var range = document.createRange();
    range.setStart(startMarker.node, startMarker.offset);
    range.setEnd(endMarker.node, endMarker.offset);
    selection.removeAllRanges();
    selection.addRange(range);
  }
```

```
getLeafNode(node) {
  while (node && node.firstChild) {
    node = node.firstChild;
  }
  return node;
}
```

```
  containsNode(outerNode, innerNode) {
    return isNode(outerNode, false) && containsNode(outerNode, innerNode);
  }
```

```
  isTextNode = require('./isTextNode');
```

```
  containsNode(outerNode, innerNode) {
    if (!outerNode || !innerNode) { return false; }
    if (outerNode === innerNode) { return true; }
    if (isTextNode(outerNode)) { return containsNode(outerNode, innerNode.parentNode); }
    if (outerNode.compareDocumentPosition) {
      if (outerNode.compareDocumentPosition(innerNode) & 16) {
        return true;
      } else if (isTextNode(outerNode)) {
        return containsNode(outerNode, innerNode.parentNode);
      } else if (contains(outerNode)) {
        return containsNode(outerNode, innerNode);}
    } else if (outerNode.compareDocumentPosition) { return false; }
  }
```

```
  isNode(outerNode, strict) {
    return outerNode.nodeType === 1;
  }
```

```
  nodeType = 1;

  containsNode(outerNode, innerNode) {
    if (outerNode.compareDocumentPosition) {
      return true;
    } else if (isNode(outerNode)) {
      return containsNode(outerNode, innerNode);}
    }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return contains || containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```

```
  containsNode(outerNode, innerNode) { return (outerNode.compareDocumentPosition) ? true : containsNode(outerNode, innerNode); }
```
require('./isNode');

/**
 * @param {*} object The object to check.
 * @return {boolean} Whether or not the object is a DOM node.
 */
function isNode(object) {
  var doc = object ? object.ownerDocument || object : document;
  var defaultView = doc.defaultView || window;
  return !!(object && (typeof defaultView.Node === 'function' ? object instanceof defaultView.Node : typeof object === 'object' && typeof object.nodeType === 'number' && typeof object.nodeName === 'string'));
}

module.exports = isNode;


//////////////////
// WEBPACK FOOTER
// module id = 833
// module chunks = 0

/**
 * Copyright (c) 2013-present, Facebook, Inc.
 *
 * This source code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.
 */

'use strict';

var NS = {
  xlink: 'http://www.w3.org/1999/xlink',
  xml: 'http://www.w3.org/1998/namespace'
};

// We use attributes for everything SVG so let's avoid some duplication and run code instead.
// The following are all specified in the HTML config already so we exclude here.
- class (as className)
- color
- height
- id
- lang
- max
- media
- method
- min
- name
- style
- target
- type
- width
var ATTRS = {
  accentHeight: 'accent-height',
  accumulate: 0,
  additive: 0,
  alignmentBaseline: 'alignment-baseline',
  allowReorder: 'allowReorder',
  alphabetic: 0,
  amplitude: 0,
  arabicForm: 'arabic-form',
  ascent: 0,
  attributeName: 'attributeName',
  attributeType: 'attributeType',
  autoReverse: 'autoReverse',
  azimuth: 0,
  baseFrequency: 'baseFrequency',
  baseProfile: 'baseProfile',
  baselineShift: 'baseline-shift',
  bbox: 0,
  begin: 0,
  bias: 0,
  by: 0,
  calcMode: 'calcMode',
  capHeight: 'cap-height',
  clip: 0,
  clipPath: 'clip-path',
  clipRule: 'clip-rule',
  clipPathUnits: 'clipPathUnits',
  colorInterpolation: 'color-interpolation',
  colorInterpolationFilters: 'color-interpolation-filters',
  colorInterpolations: 'color-interpolations',
  colorProfile: 'color-profile',
  colorRendering: 'color-rendering',
  contentScriptType: 'contentScriptType',
  contentStyleType: 'contentStyleType',
  cursor: 0,
  cx: 0,
  cy: 0,
  d: 0,
  decelerate: 0,
  descent: 0,
  diffuseConstant: 'diffuseConstant',
  direction: 0,
  display: 0,
  divisor: 0,
  dominantBaseline: 'dominant-baseline',
  dur: 0,
  dx: 0,
  dy: 0,
  edgeMode: 'edgeMode',
  elevation: 0,
  enableBackground: 'enableBackground',
  end: 0,
  exponent: 0,
  externalResourcesRequired: 'externalResourcesRequired',
  fill: 0,
  fillOpacity: 'fill-opacity',
  fillRule: 'fill-rule',
  filter: 0,
  filterRes: 'filterRes',
  filterUnits: 'filterUnits',
  floodColor: 'flood-color',
  floodOpacity: 'flood-opacity',
  focusable: 0,
  fontFamily: 'font-family',
  fontSize: 0,
  fontSizeAdjust: 'fontSizeAdjust',
  fontStretch: 'font-stretch',
  fontStyle: 'font-style',
  fontVariant: 'font-variant',
  fontWeight: 'font-weight',
  format: 0,
  from: 0,
  fx: 0,
  fy: 0,
  g1: 0,
  g2: 0,
  glyphName: 'glyph-name',
  glyphOrientationHorizontal: 'glyph-orientation-horizontal',
  glyphOrientationVertical: 'glyph-orientation-vertical',
  glyphRef: 'glyphRef',
  gradientTransform: 'gradientTransform',
  gradientUnits: 'gradientUnits',
  hanging: 0,
  horizAdvX: 'horiz-adv-x',
  horizOriginX: 'horiz-origin-x',
  ideographic: 0,
  imageRendering: 'image-rendering',
  in: 0,
  intercept: 0,
  k: 0,
  k1: 0,
  k2: 0,
  k3: 0,
  k4: 0,
  kernelMatrix: 'kernelMatrix',
  kernelUnitLengthLength: 'kernelUnitLengthLength',
  kerning: 0,
  keyPoints: 'keyPoints',
  keySplines: 'keySplines',
  keyTimes: 'keyTimes',
  lengthAdjust: 'lengthAdjust',
  letterSpacing: 'letter-spacing',
  lightingColor: 'lighting-color',
  limitingConeAngle: 'limitingConeAngle',
  local: 0,
  markerEnd: 'marker-end',
  markerMid: 'marker-mid',
  markerStart: 'marker-start',
  markerHeight: 'markerHeight',
  markerUnits: 'markerUnits',
  markerWidth: 'markerWidth',
  mask: 0,
  maskContentUnits: 'maskContentUnits',
  maskUnits: 'maskUnits',
  mathematical: 0,
  mode: 0,
  numOctaves: 'numOctaves',
  offset: 0,
  opacity: 0,
  operator: 0,
  order: 0,
  orient: 0,
  orientation: 0,
  origin: 0,
  overflow: 0,
  overlinePosition: 'overline-position',
  overlineThickness: 'overline-thickness',
  paintOrder: 'paint-order',
  panose1: 'panose-1',
  pathLength: 'pathLength',
  pathName: 'pathName',
  patternUnits: 'patternUnits',
  pointerEvents: 'pointer-events',
  points: 0,
  pointsAtX: 'pointsAtX',
  pointsAtY: 'pointsAtY',
  preserveAlpha: 0,
node.selectionEnd
 })
 } else if (window.getSelection) {
 var selection = window.getSelection();
 return {
  anchorNode: selection.anchorNode,
  anchorOffset: selection.anchorOffset,
  focusNode: selection.focusNode,
  focusOffset: selection.focusOffset
 }
 } else if (document.selection) {
 var range = document.selection.createRange();
 return {
  parentElement: range.parentElement(),
  text: range.text,
  top: range.boundingTop,
  left: range.boundingLeft
 }
 }

function constructSelectEvent(nativeEvent, nativeEventTarget) {
 // Ensure we have the right element, and that the user is not dragging an
 // selection (this matches native `select` event behavior). In HTML5, select
 // fires only on input and textarea thus if there's no focused element we
 // won't dispatch
 if (mouseDown || activeElement == null) {
  return null;
 }

 var currentSelection = getSelection(activeElement);
 if (!lastSelection || !shallowEqual(lastSelection, currentSelection)) {
  lastSelection = currentSelection;
  var syntheticEvent = SyntheticEvent.getPooled(eventTypes.select, activeElementInst, nativeEvent, nativeEventTarget);
  syntheticEvent.type = 'select';
  syntheticEvent.target = activeElement;
  EventPropagators.accumulateTwoPhaseDispatches(syntheticEvent);
  return syntheticEvent;
 }

 return null;
 }/**
 * This plugin creates an `onSelect` event that normalizes select events
 * across form elements.

 * Supported elements are:
 * - input (see `isTextInputElement`)
 * - textarea
 * - contentEditable

 * This differs from native browser implementations in the following ways:
 * - Fires on contentEditable fields as well as inputs.
 * - Fires for collapsed selection.
 * - Fires after user input.
 *
 * 被支持的元素是:
 * - input (见 `isTextInputElement`)
 * - textarea
 * - contentEditable

 * 这和原生浏览器实施有以下不同:
 * - 对contentEditable的输入和输入也触发
 * - 对于选择的缩小，选择的扩展和选择的改变
 * - 对于用户输入后触发
 */
var SelectEventPlugin = {
 eventTypes: eventTypes,

 extractEvents: function (topLevelType, targetInst, nativeEvent, nativeEventTarget) {
  if (!hasListener) {
    return null;
  }

  var targetNode = targetInst ?
    ReactDOMComponentTree.getNodeFromInstance(targetInst) : window;

  switch (topLevelType) {
    // Track the input node that has focus.
    case 'topFocus':
      if (isTextInputElement(targetNode) ||
        targetNode.contentEditable === 'true') {
        activeElement = targetNode;
        activeElementInst = targetInst;
        lastSelection = null;
      }
      break;
    case 'topBlur':
      activeElement = null;
      activeElementInst = null;
      lastSelection = null;
      break;
    // Don't fire the event while the user is
    // dragging. This matches the semantics of the native select event.
    case 'topSelectionChange':
      if (skipSelectionChangeEvent) {
        break;
      }
      // falls through
      case 'topKeyDown':
      case 'topKeyUp':
        return constructSelectEvent(nativeEvent, nativeEventTarget);
    }

    return null;
  }

  hasListener = true;
  var targetNode = targetInst ?
    ReactDOMComponentTree.getNodeFromInstance(targetInst) : window;

  switch (topLevelType) {
    case 'topFocus':
      if (isTextInputElement(targetNode) ||
        targetNode.contentEditable === 'true') {
        activeElement = targetNode;
        activeElementInst = targetInst;
        lastSelection = null;
      }
      break;
    case 'topBlur':
      activeElement = null;
      activeElementInst = null;
      lastSelection = null;
      break;
    // Don't fire the event while the user is
    // dragging. This matches the semantics of the native select event.
    case 'topSelectionChange':
      if (skipSelectionChangeEvent) {
        break;
      }
      // falls through
    }

    return null;
  }

  didPutListener: function (inst, registrationName, listener) {
    if (registrationName === 'onSelect') {
      hasListener = true;
    }
  }
};

module.exports = SelectEventPlugin;

// WEBPACK FOOTER
// module id = 835
// module chunks = 0

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Open Source Used In SDWan
break;
  case 'topWheel':
    EventConstructor = SyntheticWheelEvent;
    break;
  case 'topCut':
    case 'topPaste':
    break;
    case 'topCopy':
      EventConstructor = SyntheticClipboardEvent;
      break;
  }
  !EventConstructor ? process.env.NODE_ENV !== 'production' ? invariant(false, 'SimpleEventPlugin: Unhandled event type, `%s`.', topLevelType) : _prodInvariant('86', topLevelType) : void 0;
  var event = EventPropagators.accumulateTwoPhaseDispatches(event);
  return event;
},

  didPutListener: function (inst,
    registrationName, listener) {
    // Mobile Safari does not fire properly bubble click events on
    // non-interactive elements, which means delegated click listeners do no
    // fire. The workaround for this bug involves attaching an empty click
    // listener on the target node.
    !EventConstructor ? process.env.NODE_ENV !== 'production' ? invariant(false, 'SimpleEventPlugin: Unhandled event type, `%s`.', topLevelType) : _prodInvariant('86', topLevelType) : void 0;
    var event = EventConstructor.getPooled(dispatchConfig, targetInst, nativeEvent, nativeEventTarget);
    EventPropagators.accumulateTwoPhaseDispatches(event);
    return event;
},

  didPutListener: function (inst,
    registrationName, listener) {
    if (registrationName === 'onClick' &&
      !isInteractive(inst._tag)) {
      var key = getDictionaryKey(inst);
      var node = ReactDOMComponentTree.getNodeFromInstance(inst);
      if (!onClickListeners[key]) {
        onClickListeners[key] = EventListener.listen(node, 'click', emptyFunction);
      }
    }
  },

  willDeleteListener: function (inst, registrationName) {
    if (registrationName === 'onClick' &&
      !isInteractive(inst._tag)) {
      var key = getDictionaryKey(inst);
      delete onClickListeners[key];
    }
  }
};

module.exports = SimpleEventPlugin;


//////////////////
// WEBPACK
FOOTER
// ./node_modules/react-dom/lib/SimpleEventPlugin.js
// module id = 836
// module chunks =

/**
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 *
 */

'use strict';

var SyntheticEvent = require('./SyntheticEvent');

/**
 * @interface Event
 * @see http://www.w3.org/TR/clipboard-apis/
 */
var ClipboardEventInterface = {
  clipboardData: function (event) {
    return 'clipboardData' in event ?
      event.clipboardData : window.clipboardData;
  }
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticUIEvent}
 */
function SyntheticClipboardEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

module.exports = SyntheticClipboardEvent;


//////////////////
// WEBPACK
FOOTER
// ./node_modules/react-dom/lib/SyntheticClipboardEvent.js
// module id = 838
// module chunks =

/**
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 *
 */

'use strict';

var SyntheticUIEvent = require('./SyntheticUIEvent');

/**
 * @interface FocusEvent
 * @see http://www.w3.org/TR/DOM-Level-3-Events/
 */
var FocusEventInterface = {
  relatedTarget: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {{focus: FocusEventInterface}}
 */
function SyntheticFocusEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticUIEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

module.exports = SyntheticFocusEvent;


//////////////////
// WEBPACK
FOOTER
// ./node_modules/react-dom/lib/SyntheticFocusEvent.js
// module id = 839
// module chunks =
function SyntheticFocusEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticUIEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticUIEvent.augmentClass(SyntheticFocusEvent, FocusEventInterface);

module.exports = SyntheticFocusEvent;

/**
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 */

'use strict';

var getEventCharCode = require('./getEventCharCode');
var getEventKey = require('./getEventKey');
var getEventModifierState = require('./getEventModifierState');

/**
 * @interface KeyboardEvent
 * @see http://www.w3.org/TR/DOM-Level-3-Events/
 */
var KeyboardEventInterface = {
  key: getEventKey,
  location: null,
  ctrlKey: null,
  shiftKey: null,
  altKey: null,
  metaKey: null,
  repeat: null,
  locale: null,
  getModifierState: getEventModifierState,
  // Legacy Interface
  charCode: function(event) {
    // `charCode` is the result of a KeyPress event and represents the value of // the actual printable character.
    // KeyPress is deprecated, but its replacement is not yet final and not // implemented in any major browser. Only KeyPress has charCode.
    if (event.type === 'keypress') {
      return getEventCharCode(event);
    }
    return 0;
  },
  keyCode: function(event) {
    // `keyCode` is the result of a KeyDown/Up event and represents the value of // physical keyboard key. // The actual meaning of the value depends on the users' keyboard layout // which cannot be detected. Assuming that it is a US keyboard layout // provides a surprisingly accurate mapping for US and European users. // Due to this, it is left to the user to implement at this time. // if (event.type === 'keydown' || event.type === 'keyup') {
      return event.keyCode;
    }
    return 0;
  },
  which: function(event) {
    // `which` is an alias for either `keyCode` or `charCode` depending on the type of the event. if (event.type === 'keypress') {
      return getEventCharCode(event);
    }
    if (event.type === 'keydown' || event.type === 'keyup') {
      return event.keyCode;
    }
    return 0;
  },
  nativeEvent: nativeEvent,
  dispatchMarker: dispatchMarker,
  nativeEventTarget: nativeEventTarget,
};

function SyntheticKeyboardEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticUIEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticUIEvent.augmentClass(SyntheticKeyboardEvent, KeyboardEventInterface);

module.exports = SyntheticKeyboardEvent;

/**
 * Normalization of deprecated HTML5 'key' values
 * @see https://developer.mozilla.org/en-US/docs/Web/API/KeyboardEvent#Key_names
 */
var normalizeKey = {
  Esc: 'Escape',
  Spacebar: ' ',
  Left: 'ArrowLeft',
  Up: 'ArrowUp',
  Right: 'ArrowRight',
  Down: 'ArrowDown',
  Del: 'Delete',
  Win: 'OS',
  Menu: 'ContextMenu',
  Scroll: 'ScrollLock',
  MozPrintableKey: 'Unidentified',
  Normalize: 'normalization'
};

/**
 * Translation from legacy 'key' code to HTML5 'key' code
 * @see https://developer.mozilla.org/en-US/docs/Web/API/KeyboardEvent#Key_names
 */
var translateToKey = {
  8: 'Backspace',
  9: 'Tab',
  12: 'Clear',
  13: 'Enter',
  16: 'Shift',
  17: 'Control',
  18: 'Alt',
  19: 'Pause',
  20: 'CapsLock',
  27: 'Escape',
  32: ' ',
  33: 'PageUp',
  34: 'PageDown',
  35: 'End',
  36: 'Home',
  37: 'ArrowLeft',
  38: 'ArrowUp',
  39: 'ArrowRight',
  40: 'ArrowDown',
  45: 'Insert',
  46: 'Delete',
  66: 'F1',
  67: 'F2',
  68: 'F3',
  69: 'F4',
  70: 'F5',
  71: 'F6',
  72: 'F7',
  73: 'F8',
  74: 'F9',
  75: 'F10',
  76: 'F11',
  77: 'F12',
  78: 'NumLock',
  115: 'Meta',
  Normalize: 'normalized',
  Key: 'key',
  nativeEvent: nativeEvent,
  dispatchMarker: dispatchMarker,
  nativeEventTarget: nativeEventTarget,
};

nativeEvent.normalize = function(event) {
  // Normalize inconsistent values reported by browsers due to implementations of a working draft specification.
  // Firefox implements 'key' but returns
'MozPrintableKey' for all printable characters (normalized to 'Unidentified'), ignore it.

```javascript
var key = normalizeKey[nativeEvent.key] || nativeEvent.key; if (key !== 'Unidentified') {
  return key;
} else
// Browser does not implement 'key', polyfill as much of it as we can. if (nativeEvent.type === 'keypress') {
  var charCode = getEventCharCode(nativeEvent);
  // The enter-key is technically both printable and non-printable
  // thus be captured by 'keypress', no other non-printable key should.
  return charCode === 13 ? 'Enter' : String.fromCharCode(charCode);

  // While user keyboard layout determines the actual meaning of each
  // 'keyCode' value, almost all function keys have a universal value.
  return translateToKey[nativeEvent.keyCode] || 'Unidentified';
}

module.exports = getEventKey;
```

---

```
var SyntheticMouseEvent = require('./SyntheticMouseEvent');

/**
 * @interface DragEvent
 * @see http://www.w3.org/TR/DOM-Level-3-Events/
 */
var DragEventInterface = {
  dataTransfer: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticUIEvent}
 */
function SyntheticDragEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticMouseEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticMouseEvent.augmentClass(SyntheticDragEvent, DragEventInterface);

module.exports = SyntheticDragEvent;
```

---

```
var SyntheticUIEvent = require('./SyntheticUIEvent');

var getEventModifierState = require('./getEventModifierState');

/**
 * @interface TouchEvent
 * @see http://www.w3.org/TR/touch-events/
 */
var TouchEventInterface = {
  touches: null,
  targetTouches: null,
  changedTouches: null,
  altKey: null,
  metaKey: null,
  ctrlKey: null,
  shiftKey: null,
  getModifierState: getEventModifierState,
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticUIEvent}
 */
function SyntheticTouchEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticUIEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticUIEvent.augmentClass(SyntheticTouchEvent, TouchEventInterface);

module.exports = SyntheticTouchEvent;
```

---

```
var SyntheticEvent = require('./SyntheticEvent');

/**
 * @interface Event
 * @see http://www.w3.org/TR/2009/WD-css3-transitions-20090320/#transition-events-
 * @see https://developer.mozilla.org/en-US/docs/Web/API/TransitionEvent
 */
var TransitionEventInterface = {
  propertyName: null,
  elapsedTime: null,
  pseudoElement: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticEvent}
 */
function SyntheticTransitionEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticEvent.augmentClass(SyntheticTransitionEvent, TransitionEventInterface);

module.exports = SyntheticTransitionEvent;
```

---

```
var SyntheticMouseEvent = require('./SyntheticMouseEvent');

var TransitionEventInterface = {
  propertyName: null,
  elapsedTime: null,
  pseudoElement: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticEvent}
 */
function SyntheticTouchEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticEvent.augmentClass(SyntheticTouchEvent, TouchEventInterface);

module.exports = SyntheticTouchEvent;
```

---

```
var TransitionEventInterface = {
  propertyName: null,
  elapsedTime: null,
  pseudoElement: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticEvent}
 */
function SyntheticTransitionEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticEvent.augmentClass(SyntheticTransitionEvent, TransitionEventInterface);

module.exports = SyntheticTransitionEvent;
```

---

```
var TransitionEventInterface = {
  propertyName: null,
  elapsedTime: null,
  pseudoElement: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticEvent}
 */
function SyntheticTouchEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticEvent.augmentClass(SyntheticTouchEvent, TouchEventInterface);

module.exports = SyntheticTouchEvent;
```

---

```
var TransitionEventInterface = {
  propertyName: null,
  elapsedTime: null,
  pseudoElement: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticEvent}
 */
function SyntheticTransitionEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticEvent.augmentClass(SyntheticTransitionEvent, TransitionEventInterface);

module.exports = SyntheticTransitionEvent;
```

---

```
var TransitionEventInterface = {
  propertyName: null,
  elapsedTime: null,
  pseudoElement: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch this event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticEvent}
 */
function SyntheticTouchEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticEvent.augmentClass(SyntheticTouchEvent, TouchEventInterface);

module.exports = SyntheticTouchEvent;
```
var WheelEventInterface = {
  deltaX: function (event) {
    return 'deltaX' in event ? event.deltaX : // Fallback to `wheelDeltaX` for Webkit and normalize (right is positive).
    'wheelDeltaX' in event ? -event.wheelDeltaX : 0;
  },
  deltaY: function (event) {
    return 'deltaY' in event ? event.deltaY : // Fallback to `wheelDeltaY` for Webkit and normalize (down is positive).
    'wheelDeltaY' in event ? -event.wheelDeltaY : 0;
  },
  deltaZ: null,
  // Browsers without "deltaMode" is reporting in raw wheel delta where one
  // notch on the scroll is always +/- 120, roughly equivalent to pixels.
  // A good approximation
  // of DOM_DELTA_LINE (1) is 5% of viewport size or
  // ~40 pixels, for DOM_DELTA_SCREEN (2) it is 87.5%
  deltaMode: null
};

/**
 * @param {object} dispatchConfig Configuration used to dispatch
 * event.
 * @param {string} dispatchMarker Marker identifying the event target.
 * @param {object} nativeEvent Native browser event.
 * @extends {SyntheticMouseEvent}
 */
function SyntheticWheelEvent(dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget) {
  return SyntheticMouseEvent.call(this, dispatchConfig, dispatchMarker, nativeEvent, nativeEventTarget);
}

SyntheticMouseEvent.augmentClass(SyntheticWheelEvent, WheelEventInterface);

module.exports = SyntheticWheelEvent;


//////////////////
// WEBPACK FOOTER
// module.id = 845
// module.chunks = 0

var ReactDOMContainerInfo = (topLevelWrapper, node) => {
  var info = {
    _topLevelWrapper: topLevelWrapper,
    _idCounter: 1,
    _ownerDocument: node.nodeType === DOC_NODE_TYPE ? node : node.ownerDocument,
    _node: node,
    _tag: node.nodeName.toLowerCase(),
    _namespaceURI: node.namespaceURI
  };
  if (process.env.NODE_ENV !== 'production') {
    info._ancestorInfo = validateDOMNesting.updatedAncestorInfo(null, info._tag, null);
  }
  return info;
};

module.exports = ReactDOMContainerInfo;


//////////////////
// WEBPACK FOOTER
// module.id = 846
// module.chunks = 0

var ReactFeatureFlags = {
  useCreateElement: true,
  useFiber: false
};

module.exports = ReactFeatureFlags;


//////////////////
// WEBPACK FOOTER
// module.id = 847
// module.chunks = 0

var ReactMarkupChecksum = {
  CHECKSUM_ATTR_NAME: 'data-react-checksum',

  /**
   * @param {string} markup Markup string
   * @return {string} Markup string with checksum attribute attached
   */
  addChecksumToMarkup: function (markup) {
    var checksum = adler32(markup);

    // Add checksum (handle both parent tags, comments and self-closing tags)
    if (COMMENT_START.test(markup)) {
      return markup;
    } else {
      return markup.replace(TAG_END, ' ' + ReactMarkupChecksum.CHECKSUM_ATTR_NAME + '="' + checksum + '"$&');
    }
  },

  /**
   * @param {string} markup string
   * @returns {boolean} whether or not the markup is the same
   */
  canReuseMarkup: function (markup) {
    var checksum = adler32(markup);
    return checksum === adler32;
  }
};

module.exports = ReactMarkupChecksum;


//////////////////
// WEBPACK FOOTER
// module.id = 848
// module.chunks = 0

var MOD = 65521;

// adler32 is not cryptographically
strong, and is only used to sanity check that markup generated on the server matches the markup generated on the client.

This implementation (a modified version of the SheetJS version) has been optimized for use case, at the expense of conforming to the adler32 specification for non-ascii inputs.

```javascript
function adler32(data) {
  var a = 1;
  var b = 0;
  var i = 0;
  var l = data.length;
  var m = 1 & ~0x3;
  while (i < m) {
    var n = Math.min(i + 4096, m);
    for (; i < n; i += 4) {
      var b = (a += data.charCodeAt(0)) + (a += data.charCodeAt(1)) +
        (a += data.charCodeAt(2)) + (a += data.charCodeAt(3));
    }
    a %= MOD;
    b %= MOD;
  }
  for (; i < l; i++) {
    b += a += data.charCodeAt(i);
  }
  a %= MOD;
  b %= MOD;
  return a | b << 16;
}

module.exports = adler32;
```

```

// WEBPACK FOOTER
// ./node_modules/react-dom/lib/adler32.js
// module id = 849
// module chunks = 0

*/

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/* This code is licensed under the MIT license found in the LICENSE file in the root directory of this source tree.*

/* webpack.head */

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'15.6.2';

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```
```
import React, { Component } from 'react';
import PropTypes from 'prop-types';
import store from '../store';
import { connect } from 'react-redux';

class App extends Component {
  render() {
    return <div>Hello, world!</div>;
  }
}

App.propTypes = {
  store: PropTypes.object.isRequired
};

App.defaultProps = {
  count: 0
};

export default App;
```
Connect.prototype.computeStateProps = function computeStateProps(store, props) {
  var state = store.getState();
  var stateProps = this.doStatePropsDependOnOwnProps ? this.finalMapStateToProps(store, props) : this.finalMapStateToProps(state, props);
  if (process.env.NODE_ENV !== 'production') {
    checkStateShape(stateProps, 'mapStateToProps');
  }
  return stateProps;
}

Connect.prototype.configureFinalMapStateToProps = function configureFinalMapStateToProps(store, props) {
  var mapStateToProps = mapState(store.getState(), props);
  this.finalMapStateToProps = isFactory ? mapStateToProps : mapState;
  this.doStatePropsDependOnOwnProps = mapStateToProps.length !== 1;
  if (process.env.NODE_ENV !== 'production') {
    checkStateShape(mapStateToProps, 'mapStateToProps');
  }
  return mapStateToProps;
}

Connect.prototype.computeDispatchProps = function computeDispatchProps(store, props) {
  var dispatch = store.dispatch;
  var dispatchProps = this.doDispatchPropsDependOnOwnProps ? this.finalMapDispatchToProps(dispatch, props) : this.finalMapDispatchToProps(dispatch);
  if (process.env.NODE_ENV !== 'production') {
    checkStateShape(dispatchProps, 'mapDispatchToProps');
  }
  return dispatchProps;
}

Connect.prototype.configureFinalMapDispatchToProps = function configureFinalMapDispatchToProps(store, props) {
  var mapDispatchToProps = mapDispatch(store.dispatch, props);
  this.finalMapDispatchToProps = isFactory ? mapDispatchToProps : mapDispatch;
  this.doDispatchPropsDependOnOwnProps = this.finalMapDispatchToProps.length !== 1;
  if (process.env.NODE_ENV !== 'production') {
    checkStateShape(mapDispatchToProps, 'mapDispatchToProps');
  }
  return mapDispatchToProps;
}

Connect.prototype.updateStatePropsIfNeeded = function updateStatePropsIfNeeded() {
  var nextStateProps = this.computeStateProps(this.store, this.props);
  if (this.stateProps && (0, _shallowEqual2['default'])(nextStateProps, this.stateProps)) {
    return false;
  }
  this.stateProps = nextStateProps;
  return true;
}

Connect.prototype.updateDispatchPropsIfNeeded = function updateDispatchPropsIfNeeded() {
  var nextDispatchProps = this.computeDispatchProps(this.store, this.props);
  if (this.dispatchProps && (0, _shallowEqual2['default'])(nextDispatchProps, this.dispatchProps)) {
    return false;
  }
  this.dispatchProps = nextDispatchProps;
  return true;
}

Connect.prototype.updateMergedPropsIfNeeded = function updateMergedPropsIfNeeded() {
  var nextMergedProps = computeMergedProps(this.stateProps, this.dispatchProps, this.props);
  if (this.mergedProps && checkMergedEquals && (0, _shallowEqual2['default'])(nextMergedProps, this.mergedProps)) {
    return false;
  }
  this.mergedProps = nextMergedProps;
  return true;
}

Connect.prototype.isSubscribed = function isSubscribed() {
  return typeof this.unsubscribe === 'function';
}

Connect.prototype.trySubscribe = function trySubscribe() {
  if (shouldSubscribe && !this.unsubscribe) {
    this.unsubscribe = this.store.subscribe(this.handleChange.bind(this));
  }
}

Connect.prototype.tryUnsubscribe = function tryUnsubscribe() {
  if (this.unsubscribe) {
    this.unsubscribe();
    this.unsubscribe = null;
  }
}

Connect.prototype.componentDidMount = function componentDidMount() {
  if (this.trySubscribe()) {
    this.handleChange();
  }
}

Connect.prototype.componentWillUnmount = function componentWillUnmount() {
  this.clearCache();
}

Connect.prototype.clearCache = function clearCache() {
  this.dispatchProps = null;
  this.stateProps = null;
  this.mergedProps = null;
  this.haveOwnPropsChanged = false;
  this.statePropsPrecalculationError = null;
  this.renderedElement = null;
  this.finalMapDispatchToProps = null;
  this.finalMapStateToPropsToProps = null;
}

Connect.prototype.handleChange = function handleChange() {
  if (!this.unsubscribe) {
    this.unsubscribe = null;
  }
}
module id = 858

module chunks = 0

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`typeof exports === 'object'` & `typeof module !== 'undefined'` ? module.exports = factory() : `typeof define === 'function'` & `define.amd ? define(factory) : undefined`

`typeof global hoistNonReactStatics = factory() ;` & `this, (function () { var 'use strict' ;

var REACT_STATICS = { 

childContextTypes: true,

contextTypes: true,

defaultProps: true,

displayName: true,

getDefaultProps: true,

defindProperty: Object.defineProperty

getOwnPropertyNames = Object.getOwnPropertyNames;

var getOwnPropertySymbols = Object.getOwnPropertySymbols;

var getOwnPropertyDescriptor = Object.getOwnPropertyDescriptor;

getPrototypeOf = Object.getPrototypeOf;

var objectPrototype = getPrototypeOf && getPrototypeOf(Object);


hoistNonReactStatics(targetComponent, sourceComponent, blacklist) { if (typeof sourceComponent !== 'string') { // don't hoist over string (html) components

var inheritedComponent = getPrototypeOf(sourceComponent);

if (inheritedComponent && inheritedComponent !== objectPrototype) {

hoistNonReactStatics(targetComponent, inheritedComponent, blacklist);

var keys =

getOwnPropertyNames(sourceComponent);

for (var i = 0; i < keys.length; ++i) {

var key = keys[i];

if (!REACT_STATICS[key] && !KNOWN_STATICS[key] && (!blacklist || !blacklist[key])) {

descriptor =

getOwnPropertyDescriptor(sourceComponent, key);

try { // Avoid failures from read-only properties

defineProperty(targetComponent, key, descriptor);

} catch (e) { }

}

return targetComponent;

}

return targetComponent;

}

}


```javascript
var omit = flatRest(function(object, paths) {
  var result = {};
  if (object == null) {
    return result;
  }
  var isDeep = false;
  paths = arrayMap(paths, function(path) {
    path = castPath(path, object);
    isDeep || (isDeep = path.length > 1);
    return path;
  });
  copyObject(object, getAllKeysIn(object), result);
  if (isDeep) {
    result = baseClone(result, CLONE_DEEP_FLAG | CLONE_FLAT_FLAG | CLONE_SYMBOLS_FLAG,
    customOmitClone);
  }
  var length = paths.length;
  while (length--) {
    baseUnset(result, paths[length]);
  }
  return result;
});

module.exports = omit;


//////////////////
// WEBPACK FOOTER
// module id = 861
// module chunks = 0, */
```
the cloned buffer.

```javascript
/*\function cloneBuffer(buffer, isDeep) {\n  if (isDeep) {\n    return buffer.slice();\n  }\n  var length = buffer.length,\n      result = allocUnsafe ? allocUnsafe(length) : new buffer.constructor(length),\n  buffer.copy(result);\n  return result;\n}\n\nmodule.exports = cloneBuffer;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_cloneBuffer.js
// module id = 867
// module chunks = 0
```

```javascript
/**
 * Copies the values of `source` to `array`.
 *
 * @private
 * @param {Array} source The array to copy values from.
 * @param {Array} [array=[]] The array to copy values to.
 * @returns {Array} Returns `array`.
 */
function copyArray(source, array) {
  var index = -1,
      length = source.length,
      result = array || (array = new Array(length));
  while (++index < length) {
    result[index] = source[index];
  }
  return result;
}

module.exports = copyArray;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_copyArray.js
// module id = 868
// module chunks = 0
```

```javascript
var copyObject = require('./_copyObject'),
    getSymbols = require('./_getSymbols');

/**
 * Copies own symbols of `source` to `object`.
 *
 * @private
 * @param {Object} source The object to copy symbols from.
 * @param {Object} [object={}] The object to copy symbols to.
 * @returns {Object} Returns `object`.
 */
function copySymbols(source, object) {
  return copyObject(source, getSymbols(source), object);
}

module.exports = copySymbols;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_copySymbols.js
// module id = 869
// module chunks = 0
```

```javascript
var copyObject = require('./_copyObject'),
    getSymbolsIn = require('./_getSymbolsIn');

/**
 * Copies own and inherited symbols of `source` to `object`.
 *
 * @private
 * @param {Object} source The object to copy symbols from.
 * @param {Object} [object={}] The object to copy symbols to.
 * @returns {Object} Returns `object`.
 */
function copySymbolsIn(source, object) {
  return copyObject(source, getSymbolsIn(source), object);
}

module.exports = copySymbolsIn;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_initCloneArray.js
// module id = 871
// module chunks = 0
```

```javascript
var cloneArrayBuffer = require('./_cloneArrayBuffer'),
    cloneDataView = require('./_cloneDataView'),
    cloneRegExp = require('./_cloneRegExp'),
    cloneSymbol = require('./_cloneSymbol'),
    cloneTypedArray = require('./_cloneTypedArray');

/**
 * Initializes an array clone based on its `toStringTag`.
 *
 * **Note:** This function only supports cloning values with tags of
 * `Boolean`, `Date`, `Error`, `Map`, `Number`, `RegExp`, `Set`, or `String`.
 *
 * @private
 * @param {Array} array The array to clone.
 * @returns {Array} Returns the initialized clone.
 */
function initCloneArray(array) {
  var length = array.length,
      result = new array.constructor(length);
  // Add property references.
  if (length && typeof array[0] == 'string' && result.indexOf) {
    result.index = array.index;
    result.input = array.input;
  }
  return result;
}

module.exports = initCloneArray;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_initCloneArray.js
// module id = 872
// module chunks = 0
```

```javascript
var boolTag = '[object Boolean]',
    dateTag = '[object Date]',
    mapTag = '[object Map]',
    numberTag = '[object Number]',
    regexpTag = '[object RegExp]',
    setTag = '[object Set]',
    stringTag = '[object String]',
    symbolTag = '[object Symbol]';

var arrayBufferTag = '[object ArrayBuffer]',
    dataViewTag = '[object DataView]',
    float32Tag = '[object Float32Array]',
    float64Tag = '[object Float64Array]',
    int8Tag = '[object Int8Array]',
    int16Tag = '[object Int16Array]',
    int32Tag = '[object Int32Array]',
    uint8Tag = '[object Uint8Array]',
    uint16Tag = '[object Uint16Array]',
    uint32Tag = '[object Uint32Array]',
    numberTag = '[object Number]';

```
module chunks = 0","var getTag = require('./_getTag'),\n isObjectLike = require('./isObjectLike');\n\n/**
`Object#toString` result references. */\nvar mapTag = '[object Map]';\n\n/**\n * The base implementation of
`_.isMap` without Node.js optimizations.\n *\n * @private\n * @param {*} value The value to check.\n * @returns
{boolean} Returns `true` if `value` is a map, else `false`.\n */\nfunction baseIsMap(value) {\n return
isObjectLike(value) && getTag(value) == mapTag;\n}\n\nmodule.exports = baseIsMap;\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/lodash/_baseIsMap.js\n// module id = 880\n// module chunks = 0","var
baseIsSet = require('./_baseIsSet'),\n baseUnary = require('./_baseUnary'),\n nodeUtil =
require('./_nodeUtil');\n\n/* Node.js helper references. */\nvar nodeIsSet = nodeUtil && nodeUtil.isSet;\n\n/**\n *
Checks if `value` is classified as a `Set` object.\n *\n * @static\n * @memberOf _\n * @since 4.3.0\n * @category
Lang\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a set, else
`false`.\n * @example\n *\n * _.isSet(new Set);\n * // => true\n *\n * _.isSet(new WeakSet);\n * // => false\n */\nvar
isSet = nodeIsSet ? baseUnary(nodeIsSet) : baseIsSet;\n\nmodule.exports = isSet;\n\n\n\n//////////////////\n//
WEBPACK FOOTER\n// ./node_modules/lodash/isSet.js\n// module id = 881\n// module chunks = 0","var getTag =
require('./_getTag'),\n isObjectLike = require('./isObjectLike');\n\n/** `Object#toString` result references. */\nvar
setTag = '[object Set]';\n\n/**\n * The base implementation of `_.isSet` without Node.js optimizations.\n *\n *
@private\n * @param {*} value The value to check.\n * @returns {boolean} Returns `true` if `value` is a set, else
`false`.\n */\nfunction baseIsSet(value) {\n return isObjectLike(value) && getTag(value) ==
setTag;\n}\n\nmodule.exports = baseIsSet;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/lodash/_baseIsSet.js\n// module id = 882\n// module chunks = 0","var castPath =
require('./_castPath'),\n last = require('./last'),\n parent = require('./_parent'),\n toKey =
require('./_toKey');\n\n/**\n * The base implementation of `_.unset`.\n *\n * @private\n * @param {Object} object
The object to modify.\n * @param {Array|string} path The property path to unset.\n * @returns {boolean} Returns
`true` if the property is deleted, else `false`.\n */\nfunction baseUnset(object, path) {\n path = castPath(path,
object);\n object = parent(object, path);\n return object == null || delete
object[toKey(last(path))];\n}\n\nmodule.exports = baseUnset;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/lodash/_baseUnset.js\n// module id = 883\n// module chunks = 0","/**\n * Gets the last element of
`array`.\n *\n * @static\n * @memberOf _\n * @since 0.1.0\n * @category Array\n * @param {Array} array The
array to query.\n * @returns {*} Returns the last element of `array`.\n * @example\n *\n * _.last([1, 2, 3]);\n * // =>
3\n */\nfunction last(array) {\n var length = array == null ? 0 : array.length;\n return length ? array[length - 1] :
undefined;\n}\n\nmodule.exports = last;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/lodash/last.js\n// module id = 884\n// module chunks = 0","var baseGet = require('./_baseGet'),\n
baseSlice = require('./_baseSlice');\n\n/**\n * Gets the parent value at `path` of `object`.\n *\n * @private\n *
@param {Object} object The object to query.\n * @param {Array} path The path to get the parent value of.\n *
@returns {*} Returns the parent value.\n */\nfunction parent(object, path) {\n return path.length < 2 ? object :
baseGet(object, baseSlice(path, 0, -1));\n}\n\nmodule.exports = parent;\n\n\n\n//////////////////\n// WEBPACK
FOOTER\n// ./node_modules/lodash/_parent.js\n// module id = 885\n// module chunks = 0","var isPlainObject =
require('./isPlainObject');\n\n/**\n * Used by `_.omit` to customize its `_.cloneDeep` use to only clone plain\n *
objects.\n *\n * @private\n * @param {*} value The value to inspect.\n * @param {string} key The key of the
property to inspect.\n * @returns {*} Returns the uncloned value or `undefined` to defer cloning to `_.cloneDeep`.\n
*/\nfunction customOmitClone(value) {\n return isPlainObject(value) ? undefined : value;\n}\n\nmodule.exports =
customOmitClone;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/lodash/_customOmitClone.js\n// module id = 886\n// module chunks = 0","var baseFlatten =
require('./_baseFlatten');\n\n/**\n * Flattens `array` a single level deep.\n *\n * @static\n * @memberOf _\n *
@since 0.1.0\n * @category Array\n * @param {Array} array The array to flatten.\n * @returns {Array} Returns
the new flattened array.\n * @example\n *\n * _.flatten([1, [2, [3, [4]], 5]]);\n * // => [1, 2, [3, [4]], 5]\n */\nfunction
flatten(array) {\n var length = array == null ? 0 : array.length;\n return length ? baseFlatten(array, 1) :
[];\n}\n\nmodule.exports = flatten;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/lodash/flatten.js\n// module id = 887\n// module chunks = 0","var arrayPush =

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require('./_arrayPush'),
    isFlattenable = require('./_isFlattenable');

/**
 * The base implementation of `_.flatten` with support for restricting flattening.
 * @private
 * @param {Array} array The array to flatten.
 * @param {number} depth The maximum recursion depth.
 * @param {boolean} [predicate=isFlattenable] The function invoked per iteration.
 * @param {boolean} [isStrict] Restrict to values that pass 'predicate' checks.
 * @param {Array} [result=[]] The initial result value.
 * @returns {Array} Returns the new flattened array.
 */
function baseFlatten(array, depth, predicate, isStrict, result) {
  var index = -1,
      length = array.length;

  predicate || (predicate = isFlattenable);
  result || (result = []);

  while (++index < length) {
    var value = array[index];
    if (depth > 0 && predicate(value)) {
      if (depth > 1) {
        // Recursively flatten arrays (susceptible to call stack limits).
        baseFlatten(value, depth - 1, predicate, isStrict, result);
      } else {
        arrayPush(result, value);
      }
    } else if (!isStrict) {
      result[result.length] = value;
    }
  }
  return result;
}

module.exports = baseFlatten;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_baseFlatten.js
// module id = 888
// module chunks = 0

var Symbol = require('./Symbol'),
    isArguments = require('./isArguments'),
    isArray = require('./isArray');

/** Built-in value references. */
var spreadableSymbol = Symbol ? Symbol.isConcatSpreadable : undefined;

/**
 * Checks if `value` is a flattenable `arguments` object or array.
 * @private
 * @param {*} value The value to check.
 * @returns {boolean} Returns `true` if `value` is flattenable, else `false`.
 */
function isFlattenable(value) {
  return isArray(value) || isArguments(value) ||
    !!(spreadableSymbol && value[spreadableSymbol]);
}

module.exports = isFlattenable;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_isFlattenable.js
// module id = 889
// module chunks = 0

/**
 * A faster alternative to `Function#apply`, this function invokes `func`
 * with the `this` binding of `thisArg` and the arguments of `args`.
 * @private
 * @param {Function} func The function to invoke.
 * @param {*} thisArg The `this` binding of `func`.
 * @param {Array} args The arguments to invoke `func` with.
 * @returns {*} Returns the result of `func`.
 */
function apply(func, thisArg, args) {
  switch (args.length) {
    case 0: return func.call(thisArg);
    case 1: return func.call(thisArg, args[0]);
    case 2: return func.call(thisArg, args[0], args[1]);
    case 3: return func.call(thisArg, args[0], args[1], args[2]);
  }
  return func.apply(thisArg, args);
}

module.exports = apply;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_apply.js
// module id = 890
// module chunks = 0

var constant = require('./constant'),
    defineProperty = require('./_defineProperty'),
    identity = require('./identity');

/**
 * Creates a function that returns `value`.
 * @static
 * @memberOf _
 * @since 2.4.0
 * @category Util
 * @param {*} value The value to return from the new function.
 * @returns {Function} Returns the new constant function.
 * @example
 *
 * var objects = _.times(2, _.constant({ 'a': 1 }));
 *
 * console.log(objects);
 * // => [{ 'a': 1 }, { 'a': 1 }]
 *
 * console.log(objects[0] === objects[1]);
 * // => true
 */
function constant(value) {
  return function() {
    return value;
  };
}

module.exports = constant;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/constants.js
// module id = 891
// module chunks = 0

var HOT_COUNT = 800,
    HOT_SPAN = 16;

/* Built-in method references for those with the same name as other `lodash` methods. */
var nativeNow = Date.now;

/**
 * Creates a function that returns a function that returns `value`.
 * @private
 * @param {Function} function The function to modify.
 * @param {Function} Function The function to restrict.
 * @returns {Function} Returns the new shortable function.
 */
function shortOut(func) {
  var count = 0,
      lastCalled = 0;

  return function() {
    var stamp = nativeNow(),
        remaining = HOT_SPAN - (stamp - lastCalled);
    lastCalled = stamp;
    if (remaining > 0) {
      if (++count >= HOT_COUNT) {
        return arguments[0];
      }
    } else {
      count = 0;
      return func.apply(undeclared, arguments);
    }
  };
}

module.exports = shortOut;


//////////////////
// WEBPACK FOOTER
// ./node_modules/lodash/_shortOut.js
// module id = 892
// module chunks = 0

*/

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Assigns own enumerable string keyed properties of source objects to the\n* destination object. Source objects are
applied from left to right.\n* Subsequent sources overwrite property assignments of previous sources. *\n
**Note:** This method mutates `object` and is loosely based on\n* ```
['Object.assign']([https://mdn.io/Object/assign].)\n* \n* @static
* @memberOf _
* @since 0.10.0
* @category Object
* @param {Object} object The destination object.\n* @param {Object[]} [sources] The source objects.\n* @returns {Object} Returns `object`.\n```

```javascript
/**
 * Assigns own enumerable string keyed properties of source objects to\n * the\n* destination object. Source objects are
* applied from left to right.\n* Subsequent sources overwrite property assignments of previous sources.\n* **Note:** This method mutates `object` and is loosely based on\n* ```
['Object.assign']([https://mdn.io/Object/assign].)\n* \n* @static
* @memberOf _
* @since 0.10.0
* @category Object
* @param {Object} object The destination object.\n* @param {Object[]} [sources] The source objects.\n* @returns {Object} Returns `object`.\n```

```javascript
/**
 * Assigns own enumerable string keyed properties of source objects to the\n * destination object. Source objects are
* applied from left to right.\n* Subsequent sources overwrite property assignments of previous sources.\n* **Note:** This method mutates `object` and is loosely based on\n* ```
['Object.assign']([https://mdn.io/Object/assign].)\n* \n* @static
* @memberOf _
* @since 0.10.0
* @category Object
* @param {Object} object The destination object.\n* @param {Object[]} [sources] The source objects.\n* @returns {Object} Returns `object`.\n```

```javascript
/**
 * Assigns own enumerable string keyed properties of source objects to the\n * destination object. Source objects are
* applied from left to right.\n* Subsequent sources overwrite property assignments of previous sources.\n* **Note:** This method mutates `object` and is loosely based on\n* ```
['Object.assign']([https://mdn.io/Object/assign].)\n* \n* @static
* @memberOf _
* @since 0.10.0
* @category Object
* @param {Object} object The destination object.\n* @param {Object[]} [sources] The source objects.\n* @returns {Object} Returns `object`.\n```

```javascript
/**
 * Assigns own enumerable string keyed properties of source objects to the\n * destination object. Source objects are
* applied from left to right.\n* Subsequent sources overwrite property assignments of previous sources.\n* **Note:** This method mutates `object` and is loosely based on\n* ```
['Object.assign']([https://mdn.io/Object/assign].)\n* \n* @static
* @memberOf _
* @since 0.10.0
* @category Object
* @param {Object} object The destination object.\n* @param {Object[]} [sources] The source objects.\n* @returns {Object} Returns `object`.\n```
Url;\n\nfunction Url() {\n this.protocol = null;\n this.slashes = null;\n this.auth = null;\n this.host = null;\n
this.port = null;\n this.hostname = null;\n this.hash = null;\n this.search = null;\n this.query = null;\n
this.pathname = null;\n this.path = null;\n this.href = null;\n}\n\n// Reference: RFC 3986, RFC 1808, RFC
2396\n\n// define these here so at least they only have to be\n// compiled once on the first module load.\nvar
protocolPattern = /^([a-z0-9.+-]+:)/i,\n portPattern = /:[0-9]*$/,\n\n // Special case for a simple path URL\n
simplePathPattern = /^(\\/\\/?(?!\\/)[^\\?\\s]*)(\\?[^\\s]*)?$/,\n\n // RFC 2396: characters reserved for delimiting
URLs.\n // We actually just auto-escape these.\n delims = ['<', '>', '\"', '`', ' ', '\\r', '\\n', '\\t'],\n\n // RFC 2396:
characters not allowed for various reasons.\n unwise = ['{', '}', '|', '\\\\', '^', '`'].concat(delims),\n\n // Allowed by
RFCs, but cause of XSS attacks. Always escape these.\n autoEscape = ['\\''].concat(unwise),\n // Characters that
are never ever allowed in a hostname.\n // Note that any invalid chars are also handled, but these\n // are the ones
that are *expected* to be seen, so we fast-path\n // them.\n nonHostChars = ['%', '/', '?', ';',
'#'].concat(autoEscape),\n hostEndingChars = ['/', '?', '#'],\n hostnameMaxLen = 255,\n hostnamePartPattern =
/^[+a-z0-9A-Z_-]{0,63}$/,\n hostnamePartStart = /^([+a-z0-9A-Z_-]{0,63})(.*)$/,\n // protocols that can allow
\"unsafe\" and \"unwise\" chars.\n unsafeProtocol = {\n
'javascript': true,\n
'javascript:': true\n },\n //
protocols that never have a hostname.\n hostlessProtocol = {\n
'javascript': true,\n
'javascript:': true\n },\n
// protocols that always contain a // bit.\n slashedProtocol = {\n
'http': true,\n
'https': true,\n
'ftp': true,\n
'gopher': true,\n
'file': true,\n
'http:': true,\n
'https:': true,\n
'ftp:': true,\n
'gopher:': true,\n
'file:':
true\n },\n querystring = require('querystring');\n\nfunction urlParse(url, parseQueryString, slashesDenoteHost)
{\n if (url && util.isObject(url) && url instanceof Url) return url;\n\n var u = new Url;\n u.parse(url,
parseQueryString, slashesDenoteHost);\n return u;\n}\n\nUrl.prototype.parse = function(url, parseQueryString,
slashesDenoteHost) {\n if (!util.isString(url)) {\n throw new TypeError(\"Parameter 'url' must be a string, not \" +
typeof url);\n }\n\n // Copy chrome, IE, opera backslash-handling behavior.\n // Back slashes before the query
string get converted to forward slashes\n // See: https://code.google.com/p/chromium/issues/detail?id=25916\n var
queryIndex = url.indexOf('?'),\n
splitter =\n
(queryIndex !== -1 && queryIndex < url.indexOf('#')) ? '?' :
'#',\n
uSplit = url.split(splitter),\n
slashRegex = /\\\\/g;\n uSplit[0] = uSplit[0].replace(slashRegex, '/');\n url =
uSplit.join(splitter);\n\n var rest = url;\n\n // trim before proceeding.\n // This is to support parse stuff like \"
http://foo.com \\n\"\n rest = rest.trim();\n\n if (!slashesDenoteHost && url.split('#').length === 1) {\n // Try fast
path regexp\n var simplePath = simplePathPattern.exec(rest);\n if (simplePath) {\n
this.path = rest;\n
this.href = rest;\n
this.pathname = simplePath[1];\n
if (simplePath[2]) {\n
this.search = simplePath[2];\n
if (parseQueryString) {\n
this.query = querystring.parse(this.search.substr(1));\n
} else {\n
this.query = this.search.substr(1);\n
}\n
} else if (parseQueryString) {\n
this.search = '';\n
this.query
= {};\n
}\n
return this;\n }\n }\n\n var proto = protocolPattern.exec(rest);\n if (proto) {\n proto =
proto[0];\n var lowerProto = proto.toLowerCase();\n this.protocol = lowerProto;\n rest =
rest.substr(proto.length);\n }\n\n // figure out if it's got a host\n // user@server is *always* interpreted as a
hostname, and url\n // resolution will treat //foo/bar as host=foo,path=bar because that's\n // how the browser
resolves relative URLs.\n if (slashesDenoteHost || proto || rest.match(/^\\/\\/[^@\\/]+@[^@\\/]+/)) {\n var slashes =
rest.substr(0, 2) === '//';\n if (slashes && !(proto && hostlessProtocol[proto])) {\n
rest = rest.substr(2);\n
this.slashes = true;\n }\n }\n\n if (!hostlessProtocol[proto] &&\n
(slashes || (proto &&
!slashedProtocol[proto]))) {\n\n // there's a hostname.\n // the first instance of /, ?, ;, or # ends the host.\n //\n
// If there is an @ in the hostname, then non-host chars *are* allowed\n // to the left of the last @ sign, unless
some host-ending character\n // comes *before* the @-sign.\n // URLs are obnoxious.\n //\n // ex:\n //
http://a@b@c/ => user:a@b host:c\n // http://a@b?@c => user:a host:c path:/?@c\n\n // v0.12 TODO(isaacs):
This is not quite how Chrome does things.\n // Review our test case against browsers more comprehensively.\n\n
// find the first instance of any hostEndingChars\n var hostEnd = -1;\n for (var i = 0; i < hostEndingChars.length;
i++) {\n
var hec = rest.indexOf(hostEndingChars[i]);\n
if (hec !== -1 && (hostEnd === -1 || hec <
hostEnd))\n
hostEnd = hec;\n }\n\n // at this point, either we have an explicit point where the\n // auth
portion cannot go past, or the last @ char is the decider.\n var auth, atSign;\n if (hostEnd === -1) {\n // atSign
can be anywhere.\n
atSign = rest.lastIndexOf('@');\n } else {\n
// atSign must be in auth portion.\n
//

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http://a@b/c@d => host:b auth:a path:c@d\n atSign = rest.lastIndexOf('@', hostEnd);\n if (atSign !== -1) \n  \n  this.auth = decodeURIComponent(auth);\n  \n  // host is the remaining to the left of the first non-host char\n  hostEnd = -1;\n  for (var i = 0; i < nonHostChars.length; i++) \n  \n  if (hec !== -1 && (hostEnd === -1 || hec < hostEnd))\n    hostEnd = hec;\n  \n  // if we still have not hit it, then the entire thing is a host\n  if (hostEnd !== -1)\n    hostEnd = hostEnd - rest.length;\n  \n  this.host = rest.slice(hostEnd);\n  rest = rest.slice(hostEnd);\n  \n  // pull out port\n  \n  this.port = rest.indexOf('?');\n  rest = rest.slice(0, this.port);\n  \n  // we've indicated that there is a hostname\n  \n  if (rest !== '') {\n    host = rest;\n    \n    if (ipv6Hostname) {\n      this.hostname = this.hostname[0] === '[' && this.hostname[this.hostname.length - 1] === ']'\n        \n        // validate a little\n        \n        if (!ipv6Hostname) {\n          var varHosts = this.hostname.split(/\//);\n        \n          for (var i = 0, l = varHosts.length; i < l; i++) {\n            var varHost = varHosts[i];\n          \n            if (part.match(hostnamePartPattern)) \n              \n              var varNewpart = '';\n            \n            var validParts = hostparts.slice(0, i);\n            var notHost = hostparts.slice(i + 1);\n            \n            var bit = part.match(hostnamePartPattern);\n          \n            if (!bit) {\n              notHost.push(bit[1]);\n              notHost.unshift(bit[2]);\n            }\n          \n          if (notHost.length) \n            rest = '?' + notHost.join('.') + rest;\n          \n          var thisHostname = validParts.join('.');\n          var breakPoint = 0;\n          \n          if (breakPoint > hostMaxLen) {\n            var newpart = '';\n            \n            for (var j = 0, k = part.length; j < k; j++) {\n              newpart += part[j];\n            }\n          \n          if (!newpart.match(hostnamePartPattern)) {\n            var validParts = hostparts.slice(0, i);\n            \n            var varNewpart = '';\n          \n            for (var j = 0, k = part.length; j < k; j++) {\n              newpart += part[j];\n            }\n          \n          if (!newpart.match(hostnamePartPattern)) {\n            var validParts = hostparts.slice(0, i);\n            \n            var notHost = hostparts.slice(i + 1);\n            \n            var bit = part.match(hostnamePartPattern);\n          \n            if (!bit) {\n              notHost.push(bit[1]);\n              notHost.unshift(bit[2]);\n            }\n          \n          if (notHost.length) \n            rest = '?' + notHost.join('.') + rest;\n          \n          var thisHostname = validParts.join('.');\n          \n          if (this.hostname.length > hostnameMaxLen) {\n            this.hostname = this.hostname;\n            this.hostname = validParts.join('.');\n            \n            if (breakPoint > hostMaxLen) {\n              var newpart = '';\n              \n              for (var j = 0, k = part.length; j < k; j++) {\n                newpart += part[j];\n              }\n            \n            if (!newpart.match(hostnamePartPattern)) {\n              var validParts = hostparts.slice(0, i);\n              \n              var notHost = hostparts.slice(i + 1);\n              \n              var bit = part.match(hostnamePartPattern);\n            \n              if (!bit) {\n                notHost.push(bit[1]);\n                notHost.unshift(bit[2]);\n              }\n            \n            if (notHost.length) \n              rest = '?' + notHost.join('.') + rest;\n          \n          }\n        \n        \n        if (this.hostname.length > hostnameMaxLen) {\n          this.hostname = this.hostname;\n          this.hostname = validParts.join('.');\n          \n          if (breakPoint > hostMaxLen) {\n            var newpart = '';\n            \n            for (var j = 0, k = part.length; j < k; j++) {\n              newpart += part[j];\n            }\n          \n          if (!newpart.match(hostnamePartPattern)) {\n            var validParts = hostparts.slice(0, i);\n            \n            var notHost = hostparts.slice(i + 1);\n            \n            var bit = part.match(hostnamePartPattern);\n          \n            if (!bit) {\n              notHost.push(bit[1]);\n              notHost.unshift(bit[2]);\n            }\n          \n          if (notHost.length) \n            rest = '?' + notHost.join('.') + rest;\n          \n          var thisHostname = validParts.join('.');\n          \n          if (this.hostname.length > hostnameMaxLen) {\n            this.hostname = this.hostname;\n            this.hostname = validParts.join('.');\n          \n          }\n        \n        }\n      \n      \n      if (ipv6Hostname) {\n        var ipv6Hostname = this.hostname[0] === '[' && this.hostname[this.hostname.length - 1] === ']'\n          \n        // validate a little\n        \n        if (!ipv6Hostname) {\n          var varHosts = this.hostname.split(/\//);\n        \n          for (var i = 0, l = varHosts.length; i < l; i++) {\n            var varHost = varHosts[i];\n          \n            if (part.match(hostnamePartPattern)) \n              \n              var varNewpart = '';\n            \n            var validParts = hostparts.slice(0, i);\n            var notHost = hostparts.slice(i + 1);\n            \n            var bit = part.match(hostnamePartPattern);\n          \n            if (!bit) {\n              notHost.push(bit[1]);\n              notHost.unshift(bit[2]);\n            }\n          \n          if (notHost.length) \n            rest = '?' + notHost.join('.') + rest;\n          \n          var thisHostname = validParts.join('.');\n          \n          if (this.hostname.length > hostnameMaxLen) {\n            this.hostname = this.hostname;\n            this.hostname = validParts.join('.');\n          \n          }\n        \n        }\n      \n      }\n    \n    \n    if (rest.indexOf('#') !== -1) \n        \n        rest = rest.substring(0, rest.indexOf('#'));\n    \n    return rest;\n  }\n  \n  \n  if (parseQueryString) \n    \n    var querystring = parseQueryString();\n    \n    return querystring;\n  \n  \n  if (host) \n    host = auth + host;\n  else if (this.hostname) \n    \n    host = auth + this.hostname;\n
freeGlobal.global === freeGlobal || freeGlobal.window === freeGlobal || freeGlobal.self === freeGlobal || freeGlobal.root = freeGlobal || freeGlobal || freeGlobal
	) {
		root = freeGlobal;
	}

	/**
	 * The `punycode` object.
	 *
[...]

	/**
	 * A generic error utility function.
	 *
[...]

	/**
	 * A generic `Array#map` utility function.
	 *
[...]

	/**
	 * A new string of characters returned by the callback
	 *
[...]

	/**
	 * A generic code point into a digit/integer.
	 *
[...]

	/**
	 * The array of numeric code points.
	 *
[...]

	/**
	 * The new Unicode string
	 *
[...]
The basic code point whose value (when used for `int` *representing integers*) is `digit`, which needs to be in the range 0 to base - 1. If `flag` is `false`, the uppercase form is `digit` *used*; else, the lowercase form is used. The behavior is undefined if `flag` is `false` and `digit` has no uppercase form. `encoded` *is a function* digitToBasic(digit, flag) `parseInt(0.25 map to ASCII a...` 26...35 map to ASCII 0...9).`digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);`bias adaptation function as per section 3.4 of RFC 3492.`

```javascript
/**
 * Converts a digit/integer into a basic code point.
 * @param {Number} digit The numeric value of a basic code point.
 * @returns {Number} The basic code point.
 */
function digitToBasic(digit, flag) {
  return digit + 22 + 75 * (digit < 26) - ((flag != 0) << 5);
}
```
is the number of basic code points.

```javascript
let output = [];
for (let j = 0; j < inputLength; ++j) {
  let stringValue = input[j];
  if (stringValue < n) {
    output.push(stringValue);
  }
}
```

```javascript
// Main encoding loop:
while (handledCPCount < inputLength) {
  let currentValue = input[j];
  if (currentValue >= n) {
    let tMin = (k >= bias && tMax - k <= bias);  
    tMin = floor(tMin / baseMinusT);
    output.push(stringFromCharCode(tMin));
    currentValue -= tMin;
    baseMinusT -= tMin;
  } else {
    let tMax = tMin;
    baseMinusT -= tMin;
    currentValue -= tMin;
  }
}
```

```javascript
/**
 * Converts a Punycode string representing a domain name or an email address to Unicode. Only the Punycoded parts of the input will be converted, i.e. it doesn't matter if you call it on a string that has already been converted to Unicode.
 * @param {String} input The Punyencoded domain name or email address to convert, as a Unicode string.
 * @returns {String} The Unicode representation of the given Punycode string.
 */
function toUnicode(input) {
  return mapDomain(input,
                   function(string) {
                     return regexPunycode.test(string) ? decode(string.slice(4).toLowerCase()) : string;
                   });
}
```
exports.parse = require('./decode');
exports.encode = exports.stringify = require('./encode');


//////////////////
// WEBPACK FOOTER
// ./node_modules/querystring-es3/index.js
// module id = 900
// module chunks = 0
//

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'use strict';

// If obj.hasOwnProperty has been overridden, then calling obj.hasOwnProperty(prop) will break.

function hasOwnProperty(obj, prop) {
  return Object.prototype.hasOwnProperty.call(obj, prop);
}

module.exports = function(qs, sep, eq, options) {
  sep = sep || '&';
  eq = eq || '=';
  var obj = {};
  if (typeof qs !== 'string' || qs.length === 0) {
    return obj;
  }

  var regexp = /\+/g;
  qs = qs.split(sep);
  var maxKeys = 1000;
  if (options && typeof options.maxKeys === 'number') {
    maxKeys = options.maxKeys;
  }

  var len = qs.length;
  if (maxKeys > 0 && len > maxKeys) {
    len = maxKeys;
  }

  for (var i = 0; i < len; ++i) {
    var x = qs[i].replace(regexp, '%20'),
        idx = x.indexOf(eq),
        kstr, vstr, k, v;
    if (idx >= 0) {
      kstr = x.substr(0, idx);
      vstr = x.substr(idx + 1);
    } else {
      kstr = x;
      vstr = '';
    }
    k = decodeURIComponent(kstr);
    v = decodeURIComponent(vstr);
    if (!hasOwnProperty(obj, k)) {
      obj[k] = v;
    } else if (isArray(obj[k])) {
      obj[k].push(v);
    } else {
      obj[k] = [obj[k], v];
    }
  }

  return obj;
};

var isArray = Array.isArray || function (xs) {
  return

  "use strict";

  var stringifyPrimitive = function(v) {
    switch (typeof v) {
      case 'string':
        return v;
      case 'boolean':
        return v ? 'true' : 'false';
      case 'number':
        return isFinite(v) ? v : '';
      default:
        return '';}
  }

  module.exports = function(obj, sep, eq, name) {
    sep = sep || '&';
    eq = eq || '=';
    if (obj === null) {
      obj = undefined;
    }

    if (typeof obj === 'object') {
      return map(objectKeys(obj),
        function(k) {
          var ks = encodeURIComponent(stringifyPrimitive(k));
          if (isArray(obj[k])) {
            return map(obj[k], function(v) {
              return ks + encodeURIComponent(stringifyPrimitive(v));
            }).join(sep);
          } else {
            return ks + encodeURIComponent(stringifyPrimitive(obj[k]));
          }
        });
    }
    return

  WEBPACK FOOTER
// ./node_modules/querystring-es3/decode.js
// module id = 901
// module chunks = 0
//

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```javascript
if(m.formData&&!FormData.prototype.isPrototypeOf(t))this._bodyFormData=t;else
if(m.searchParams&&!URLSearchParams.prototype.isPrototypeOf(t))this._bodyText=t.toString();else
if(m.arrayBuffer&&m.blob&&v(t))this._bodyArrayBuffer=f(t.buffer),this._bodyInit=new Blob(this._bodyArrayBuffer);else if(!m.arrayBuffer&&!B(t))
throw new Error("unsupported BodyInit type");this._bodyArrayBuffer=f(t);else
this._bodyText="";this.headers.get("content-type")||("string"==typeof t?)this.headers.set("content-type","text/plain;charset=UTF-8");this._bodyBlob&&this._bodyBlob.type?this.headers.set("content-type","application/x-www-form-urlencoded;charset=UTF-8");m.blob&&function(){var t=(this);if(t)return Promise.resolve(this._bodyBlob);return Promise.resolve(new Blob([this._bodyArrayBuffer]));if(this._bodyFormData)throw new Error("could not read FormData body as blob");return Promise.resolve(new Blob([this._bodyText]));},this._bodyArrayBuffer=f(t);this.headers.set("content-type",this._bodyBlob?"application/x-www-form-urlencoded;charset=UTF-8":this._bodyText?"text/plain;charset=UTF-8":"");
}
```

### References

- [FormData](https://developer.mozilla.org/en-US/docs/Web/API/FormData)
- [URLSearchParams](https://developer.mozilla.org/en-US/docs/Web/API/URLSearchParams)
- [Blob](https://developer.mozilla.org/en-US/docs/Web/API/Blob)

---

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```javascript
if(m.formData&&!FormData.prototype.isPrototypeOf(t))this._bodyFormData=t;else
if(m.searchParams&&!URLSearchParams.prototype.isPrototypeOf(t))this._bodyText=t.toString();else
if(m.arrayBuffer&&m.blob&&v(t))this._bodyArrayBuffer=f(t.buffer),this._bodyInit=new Blob(this._bodyArrayBuffer);else if(!m.arrayBuffer&&!B(t))
throw new Error("unsupported BodyInit type");this._bodyArrayBuffer=f(t);else
this._bodyText="";this.headers.get("content-type")||("string"==typeof t?)this.headers.set("content-type","text/plain;charset=UTF-8");this._bodyBlob&&this._bodyBlob.type?this.headers.set("content-type","application/x-www-form-urlencoded;charset=UTF-8");m.blob&&function(){var t=(this);if(t)return Promise.resolve(this._bodyBlob);return Promise.resolve(new Blob([this._bodyArrayBuffer]));if(this._bodyFormData)throw new Error("could not read FormData body as blob");return Promise.resolve(new Blob([this._bodyText]));},this._bodyArrayBuffer=f(t);this.headers.set("content-type",this._bodyBlob?"application/x-www-form-urlencoded;charset=UTF-8":this._bodyText?"text/plain;charset=UTF-8":"");
}
```

### References

- [FormData](https://developer.mozilla.org/en-US/docs/Web/API/FormData)
- [URLSearchParams](https://developer.mozilla.org/en-US/docs/Web/API/URLSearchParams)
- [Blob](https://developer.mozilla.org/en-US/docs/Web/API/Blob)

---

**Open Source Used In SDWan 20.4.1 7117**

```javascript
if(m.formData&&!FormData.prototype.isPrototypeOf(t))this._bodyFormData=t;else
if(m.searchParams&&!URLSearchParams.prototype.isPrototypeOf(t))this._bodyText=t.toString();else
if(m.arrayBuffer&&m.blob&&v(t))this._bodyArrayBuffer=f(t.buffer),this._bodyInit=new Blob(this._bodyArrayBuffer);else if(!m.arrayBuffer&&!B(t))
throw new Error("unsupported BodyInit type");this._bodyArrayBuffer=f(t);else
this._bodyText="";this.headers.get("content-type")||("string"==typeof t?)this.headers.set("content-type","text/plain;charset=UTF-8");this._bodyBlob&&this._bodyBlob.type?this.headers.set("content-type","application/x-www-form-urlencoded;charset=UTF-8");m.blob&&function(){var t=(this);if(t)return Promise.resolve(this._bodyBlob);return Promise.resolve(new Blob([this._bodyArrayBuffer]));if(this._bodyFormData)throw new Error("could not read FormData body as blob");return Promise.resolve(new Blob([this._bodyText]));},this._bodyArrayBuffer=f(t);this.headers.set("content-type",this._bodyBlob?"application/x-www-form-urlencoded;charset=UTF-8":this._bodyText?"text/plain;charset=UTF-8":"");
}
```

### References

- [FormData](https://developer.mozilla.org/en-US/docs/Web/API/FormData)
- [URLSearchParams](https://developer.mozilla.org/en-US/docs/Web/API/URLSearchParams)
- [Blob](https://developer.mozilla.org/en-US/docs/Web/API/Blob)
Open Source Used In SDWan 20.4.1  7120

```javascript
var child = /\[[^\[\]]*\]/g;

    // Get the parent

    var segment = brackets.exec(key);
    var parent = segment ? key.slice(0, segment.index) : key;

    // Stash the parent if it exists
    var keys = [];
    if (parent) {
        // If we aren’t using plain objects, optionally prefix keys
        // that would overwrite object prototype properties
        if (!options.plainObjects && &has.call(Object.prototype, parent)) {
            var keys = parseObject(keys, parent);
        }

        keys.push(parent);
    }

    // Loop through children appending to the array until we hit depth

    var i = 0;
    while ((segment = child.exec(key)) !== null && i < options.depth) {
        i += 1;
        if (!options.plainObjects && has.call(Object.prototype, segment[1].slice(1, -1))) {
            if (!options.allowPrototypes) {
                return;
            }

            keys.push(segment[1]);
        }

        // If there’s a remainder, just add whatever is left

        if (segment) {
            keys.push('[' + key.slice(segment.index) + ']');
        }
    }

    return keys;
};

module.exports = function (str, opts) {
    var options = opts ? utils.assign({}, opts) : {};

    if (options.decoder !== null && options.decoder !== undefined && typeof options.decoder !== 'function') {
        throw new TypeError('Decoder has to be a function.);
    }

    options.ignoreQueryPrefix = options.ignoreQueryPrefix === true;
    options.delimiter = typeof options.delimiter === 'string' ||
        utils.isRegExp(options.delimiter) ? options.delimiter : defaults.delimiter;
    options.depth = typeof options.depth === 'number' ? options.depth : defaults.depth;
    options.arrayLimit = typeof options.arrayLimit === 'number' ? options.arrayLimit : defaults.arrayLimit;
    options.parseArrays = options.parseArrays !== false;
    options.decoder = typeof options.decoder === 'function' ? options.decoder : defaults.decoder;
    options.allowDots = options.allowDots !== false;
    options.plainObjects = options.plainObjects !== false;
    options.allowPrototypes = options.allowPrototypes !== false;
    options.metadata = options.metadata !== false;

    if (str === '' || str === null || typeof str === 'undefined') {
        return options.plainObjects ? Object.create(null) : {};
    }

    var tempObj = typeof str === 'string' ? parseValues(str, options) : str;
    var obj = options.plainObjects ? Object.create(null) : {};

    // Iterate over the keys and setup the new object

    var keys = Object.keys(tempObj);
    for (var i = 0; i < keys.length; ++i) {
        var key = keys[i];
        var newObj = parseKeys(key, tempObj[key], options);
        obj = utils.merge(obj, newObj, options);
    }

    return utils.compact(obj);
};

```

---

```

module.exports = FormData;

```

---

```

var helpers_1 = require('./helpers');
var core_1 = require('./core');
/* export all core functions */
var core_2 = require('./core');
exports.applyOperation = core_2.applyOperation;
exports.applyPatch = core_2.applyPatch;
exports.applyReducer = core_2.applyReducer;
exports.getValueByPointer = core_2.getValueByPointer;
exports.getMetadataByPointer = core_2.getMetadataByPointer;
exports.validate = core_2.validate;
exports.validator = core_2.validator;
/* export some helpers */
var helpers_2 = require('./helpers');
exports.JsonPatchError = helpers_2.JsonPatchError;
exports.escapePathComponent = helpers_2.escapePathComponent;
exports.unescapePathComponent = helpers_2.unescapePathComponent;
exports.deepClone = helpers_2.deepClone;
exports.escapePathComponent = helpers_2.escapePathComponent;
exports.unescapePathComponent = helpers_2.unescapePathComponent;
exports.beforeDict = new WeakMap();
exports.Mirror = (function () {
    return function (observer) {
        if (observer.observers) {
            observer.observers.forEach(function (observer) {

                // Unobserve from the object

                observer.unobserve();
            });
        }
    };

```

---

```

Detach an observer from an object

```
which can then be retrieved using generate

```javascript
// example usage
function observe(obj, callback) {
  var patches = [];
  var observer = {
    object: obj,
    next: null,
    patches: patches,
    callback: callback
  };
  observer.next = setTimeout(dirtyCheck, 0);
  if (callback) {
    callback(observer);
  }
}
```

**Summary:**
- The `observe` function creates an observer for the given object.
- The `generate` function is called when the object changes.
- The observer tracks changes and can trigger callbacks.

**Example Usage:**
```javascript
observe(myObject, function(observer) {
  console.log(observer.patches.length);
});
```
Create an array of patches from the differences in two objects:

```javascript
    patches.push({ op: 'add', path: path +'/'+ helpers_1.escapePathComponent(key), value: helpers_1._deepClone(obj[key]) });
```

The function `compare` takes two objects as input and returns an array of patches representing the differences between them:

```javascript
    function compare(tree1, tree2) {
        var patches = [];
        _generate(tree1, tree2, patches, '');
        return patches;
    }
```

The `deepEqual` function is used to compare objects for equivalence, considering various types of objects and properties:

```javascript
    deepEqual = module.exports = function (actual, expected, opts) {
        if (!opts) opts = {};
        // 7.1. All identical values are equivalent, as determined by ===.
        if (actual == expected) {
            return true;
        } else if (actual instanceof Date && expected instanceof Date) {
            return actual.getTime() == expected.getTime();
        } else if (!actual || !expected || typeof actual != 'object' && typeof expected != 'object') {
            return opts.strict ? actual == expected : actual == expected;
        } else {
            return objEquiv(actual, expected, opts);
        }
    }
```

The `isBuffer` function checks if a given object is a Buffer:

```javascript
    function isBuffer (x) {
        if (!x || typeof x !== 'object' || typeof x.length !== 'number') return false;
        if (typeof x.copy !== 'function' || typeof x.slice !== 'function') {
            return false;
        }
        if (x.length > 0 && typeof x[0] !== 'number') return false;
        return true;
    }
```

The `objEquiv` function compares two objects, taking into account the number of properties, deep equality of corresponding properties, and the `prototype` property:

```javascript
    objEquiv(a, b, opts) {
        var i, key;
        if (isUndefinedOrNull(a) || isUndefinedOrNull(b)) return false;
        // AN identical 'prototype' property.
        if (a.prototype !== b.prototype) return false;
        //~~~I've managed to break Object.keys through screwy arguments passing,.
        // Converting to array solves the problem.
        if (isArguments(a)) {
            if (!isArguments(b)) return false;
            a = pSlice.call(a);
            b = pSlice.call(b);
            return deepEqual(a, b, opts);
        }
        if (isBuffer(a)) {
            if (!isBuffer(b)) return false;
            if (a.length !== b.length) return false;
            for (i = 0; i < a.length; i++) {
                if (a[i] !== b[i]) return false;
            }
            return true;
        } else try {
            var ka = objectKeys(a),
                kb = objectKeys(b);
        } catch (e) {//happens when one is a string literal and the other isn't
            return false;
        }
        // Having the same number of owned properties (keys incorporates
        // hasOwnProperty)
        if (ka.length != kb.length) return false;
        ka.sort();
        kb.sort();
        //~~~cheap key test
        for (i = ka.length - 1; i >= 0; i--) {
            if (ka[i] != kb[i]) return false;
        }
        // Equivalent values for every corresponding key, and
        //~~~possibly expensive deep test
        for (i = ka.length - 1; i >= 0; i--) {
            if (ka[i] != kb[i]) return false;
        }
    }
```
WeakMap.prototype.delete(key) // 23.4.3.3 WeakSet.prototype.delete(value) // 'delete': function (key) {
    if (isObject(key)) return false;
    var data = getWeak(key);
    if (data === true) return
    uncaughtFrozenStore(validate(this, NAME))['delete'](key);
}

// 23.3.4.3 WeakMap.prototype.has(key) // 23.4.3.4 WeakSet.prototype.has(value)
has: function has(key) {
    if (isObject(key)) return false;
    var data = getWeak(key);
    if (data === true) return
    uncaughtFrozenStore(validate(this, NAME)).has(key);
    var data = getWeak(key);
    if (data === true) return
    uncaughtFrozenStore(validate(this, NAME)).has(key);
    } //
  },
  def: function (that, key, value) {
    var data = getWeak(anObject(key), true);
    if (data === true) uncaughtFrozenStore(that).set(key, value);
    else data[that._i] = value;
    return that;
  },
  ufstore: uncaughtFrozenStore
};

//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/_collection-weak.js
// module id = 921
// module chunks = 0","https://tc39.github.io/proposal-setmap-offrom/#sec-weakmap.of
require('./_set-collection-of')('WeakMap');


//////////////////
// WEBPACK FOOTER
// ./node_modules/core-js/library/modules/es7.weak-map.from.js
// module id = 922
// module chunks = 0","https://tc39.github.io/proposal-setmap-offrom/#sec-weakmap.from
require('./_set-collection-from')('WeakMap');
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if (modifiers.after) modifiers.after.call(state, state.node);

return state;

modifiers.post.call(state, child);

path.pop();
parents.pop();
}

state.keys.length - 1;

child.isFirst = i == 0;

if (modifiers.post)

key) {

state.node[key] = child.node;

}

child.isLast = i == state.keys.length - 1;

child.isLeaf = true;

state.keys = objectKeys(state.node)

state.isLeaf = state.keys.length == 0;

for (var i = 0; i < parents.length; i++) {

key = path.slice(-1)[0],

isRoot = path.length === 0;

level = path.length,

circular = null,

update = function (x, stopHere) {

if (!state.isRoot) {

state.parent.node[state.key] = x;

}

state.node = x;

if

}

for (var i = 0; i < parents.length; i++) {

var key = parents[i].key;

parent := state[parent.node][state.key]

state.isRoot = !state.isRoot;

for (var i = 0; i < state.keys.length; i++) {

var key = state.keys[i];

if (!hasOwnProperty.call(state.node, key)) {

state.node[key] = {};

node = state.node[key];

for (var i = 0; i < ps.length - 1; i++) {

var key = ps[i];

if (!hasOwnProperty.call(node, key)) node[key] = {};

node = node[key];

}

node[ps[i]] = value;

}

return node;

}
RegExp to match field-content in RFC 7230 sec 3.2

```javascript
RegExp to match field-content in RFC 7230 sec 3.2

```
null) {
  window.UtfString = (function(object, graphemeClusterRegexes) {
    return function(string, byteIndex) {
      var charCount = 0;
      while (scanner.exec(string) !== null) {
        var charCount ++;
        scan(string, createScanner(), charIndex);
      }
      return charCount;
    }
  }
})
var charCount = 0;
while (scanner.exec(string) !== null) {
  var charCount ++;
  scan(string, createScanner(), charIndex);
}
var charAt = function(index, string) {
  var byteIndex = this.findByteIndex(string, index);
  if ((byteIndex < 0) || (byteIndex >= string.length)) {
    return "\n";
  }
  var characters = string.slice(byteIndex, byteIndex + 8);
  var match = graphemeClusterRegex.exec(characters);
  if (match === null) {
    return characters[0];
  } else {
    return match[0];
  }
}
var codePoint = this.charCodeAt(byteIndex);
if (charCode >= 0xD800 && charCode <= 0xDBFF) {
  var hi = code;
  var low = string.charCodeAt(byteIndex + 1);
  return ((hi - 0xD800) * 0x400) + (low - 0xDC00) + 0x10000;
}
return code;
}
var fromCharCode = function(charCode) {
  if (charCode > 0xFFFF) {
    return String.fromCharCode(charCode);
  } else {
    return String.fromCharCode(charCode.charCodeAt(0));
  }
}
var indexOf = function(string, searchValue, start) {
  if ((typeof start === 'undefined') || (start === null)) {
    return this.indexOf(searchValue, start);
  } else {
    return this.indexOf(searchValue, start);
  }
}
var lastIndexOf = function(string, searchValue, start) {
  if ((typeof start === 'undefined') || (start === null)) {
    return this.lastIndexOf(searchValue, start);
  } else {
    return this.lastIndexOf(searchValue, start);
  }
}
var charAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
var charCodeAt = function(index, string) {
  if (index < 0) {
    return characters[0];
  } else {
    return characters[index];
  }
}
function findSurrogateByteIndex(string, charIndex) {
    result.push(match[0]);
    while (match !== null) {
        var byteIndex = \
        var charCount = 0; \
        do {
            var match = scanner.exec(string); \
            if (match !== null) {
                var break;
            } else {
                break;
            }
        } while (match !== null);
        var byteIndex += match[0].length;
        charCount += 1;
    }
    return byteIndex;
}

function scan(string, scanner, charIndex) {
    // optimization: don't iterate unless it's necessary
    if (!containsGraphemeClusterGroup(string)) {
        return charIndex;
    }

    var byteIndex = 0;
    var charCount = 0;

    do {
        var match = scanner.exec(string);
        if (match === null) {
            break;
        }
        if (charCount < charIndex) {
            byteIndex += match[0].length;
            charCount ++;
        } else {
            break;
        }
    } while (match !== null);
    return byteIndex;
}

function containsGraphemeClusterGroup(string) {
    return graphemeClusterRegex.test(string);
}

function createScanner(extraSources, modifiers) {
    if (extraSources == undefined) {
        extraSources = ['[^\]]'];
    }
    if (modifiers == undefined) {
        modifiers = 'g';
    }
    var sources = [];
    graphemeClusterRegexes.forEach(function(re) {
        sources.push(re.source);
    });
    sources.push(surrogatePairs.source);
    sources = sources.concat(extraSources);
    return new RegExp(sources.join('|'), modifiers);
}

var surrogatePairs = /[\uD800-\uDBFF][\uDC00-\uDFFF]/;
var graphemeClusterRegex = createScanner([], '');
function (newValue) {
  scrollTimeoutId = newValue
  stopScroll = function () {
    clearTimeout(scrollTimeoutId)
    setScrollTimeoutId(0)
  }

  /**
   * Stop the current smooth scroll operation immediately.
   * @param {duration} Optionally the duration of the operation.
   */
  stopScroll = function () {
    clearTimeout(scrollTimeoutId)
    setScrollTimeoutId(0)
  }

  var getTopWithEdgeOffset = function (elem) {
    return Math.max(0, container.getTopOf(elem) - edgeOffset)
  }

  /**
   * Scrolls to a specific vertical position in the document.
   * @param {targetY} The vertical position within the document.
   * @param {duration} Optionally the duration of the scroll operation.
   */
  scrollToY = function (targetY, duration, onDone) {
    stopScroll()
    if (duration === 0 || (duration && duration < 0) || isNativeSmoothScrollEnabledOn(container.body)) {
      container.toY(targetY, duration, onDone)
    } else {
      startY = container.getY()
      var distance = Math.max(0, targetY - startY)
      var startTime = new Date().getTime()
      var duration = duration || Math.min(Math.abs(distance), defaultDuration);
      (function loopScroll() {
        var p = Math.min(1, (new Date().getTime() - startTime) / duration)
        var y = Math.max(0, Math.floor(startY + distance * (p < 0.5 ? 2*p*p : p*(4 - p*2)-1)))
        container.toY(y, duration, onDone)
      })()
    }
  }

  /**
   * Scrolls to the top of a specific element.
   * @param {elem} The element to scroll to.
   * @param {duration} Optionally the duration of the scroll operation.
   * @param {onDone} An optional callback function to be invoked once the scroll finished.
   */
  scrollToElem = function (elem, duration, onDone) {
    scrollToY(getTopWithEdgeOffset(elem), duration, onDone)
  }

  /**
   * Scrolls an element into view if necessary.
   * @param {elem} The element.
   * @param {duration} Optionally the duration of the scroll operation.
   * @param {onDone} An optional callback function to be invoked once the scroll finished.
   */
  scrollIntoView = function (elem, duration, onDone) {
    var elemHeight = elem.getBoundingClientRect().height
    var elemBottom = container.getTopOf(elem) + elemHeight
    var containerHeight = container.getHeight()
    var y = container.getY()
    var containerBottom = y + containerHeight
    if (getTopWithEdgeOffset(elem) < y || (elemHeight + edgeOffset) > containerHeight) {
      scrollToElem(elem, duration, onDone)
    } else if (onDone) {
      onDone()
    }
  }

  /**
   * Scrolls to the center of an element.
   * @param {elem} The element.
   * @param {duration} Optionally the duration of the scroll operation.
   * @param {onDone} An optional callback function to be invoked once the scroll finished.
   */
  scrollToCenterOf = function (elem, duration, onDone) {
    scrollToY(Math.max(0, container.getTopOf(elem) - container.getHeight()/2 + (offset || elem.getBoundingClientRect().height/2)), duration, onDone)
  }

  var setup = function (newDefaultDuration, newEdgeOffset) {
    if (newDefaultDuration === 0 || newDefaultDuration) {
      defaultDuration = newDefaultDuration
    }
    if (newEdgeOffset === 0 || newEdgeOffset) {
      edgeOffset = newEdgeOffset
    }
    return {
      defaultDuration: defaultDuration,
      edgeOffset: edgeOffset
    }
  }

  return {
    setup: setup,
    to: scrollToElem,
    toY: scrollToY,
    intoView: scrollIntoView,
    center: scrollToCenterOf,
    moving: function () { return !!scrollTimeoutId },
    getY: container.getY,
    getTopOf: container.getTopOf
  }
}

var docElem =...
Create a scroller for the document:

```
var zenscroll = makeScroller({
  body: document.body,
  toY: function (y) { window.scrollTo(0, y) },
  getY: function () { return window.innerHeight || docElem.clientHeight },
  getTopOf: function (elem) { return elem.getBoundingClientRect().top + getDocY() - docElem.offsetTop }
})
```

### Zenscroll createScroller function

```
zenscroll.createScroller = function (scrollContainer, defaultDuration, edgeOffset) {
  return makeScroller({
    body: scrollContainer,
    toY: function (y) { scrollContainer.scrollTop = y },
    getY: function () { return scrollContainer.scrollTop },
    getHeight: function () { return Math.min(scrollContainer.clientHeight, window.innerHeight || docElem.clientHeight) },
    getTopOf: function (elem) { return elem.offsetTop }
  }, defaultDuration, edgeOffset)
}
```

### Link-smoothing on anchors

```
if ("addEventListener" in window && !window.noZensmooth && !isNativeSmoothScrollEnabledOn(document.body)) {
  var isHistorySupported = "history" in window && 
  "pushState" in history
  var isScrollRestorationSupported = isHistorySupported && "scrollRestoration" in history
  if (isScrollRestorationSupported) {
    history.scrollRestoration = "auto"
  }

  window.addEventListener("load", function () {
    if (isScrollRestorationSupported) {
      setTimeout(function () { history.scrollRestoration = "manual" }, 9)
    } else {
      window.addEventListener("scroll", function () { window.addEventListener("popstate", function (event) {
        if (event.state && "zenscrollY" in event.state) {
          var targetElem = document.getElementById(event.state.zenscrollY)
          if (targetElem) {
            window.scrollTo(0, targetY)
          }
        }
      })
    }
  })
```

### Handling clicks on anchors

```
var RE_noZensmooth = new RegExp("(^|\\s)noZensmooth(\\s|$)")
window.addEventListener("click", function (event) {
  var anchor = event.target
  while (anchor && anchor.tagName !== "A") {
    anchor = anchor.parentNode
  }
  if (anchor && anchor.tagName == "A") {
    event.preventDefault()
    var href = anchor.getAttribute("href") || ""
    if (href.indexOf("#") === 0 && !RE_noZensmooth.test(anchor.className)) {
      var targetY = 0
      var targetElem = document.getElementById(href.substring(1))
      if (targetElem) {
        targetY = zenscroll.getTopOf(targetElem)
        if (targetY > 0) {
          window.scrollTo(0, targetY)
        }
      }
      event.preventDefault()
    }
  }
})
```
```javascript
getComponent("AuthItem")
    const Oauth2 = getComponent("oauth2", true)
    const Button = getComponent("Button")
    let authorized = authSelectors.authorized()
    let notAuthorized = authSelectors.notAuthorized()
    let letAuthorized = AuthDefinitions
    let OAuth2Definitions = definitions.filter(
      definition, key => !!result
    )
    let oauthDefinitions = definitions.filter(
      schema => schema.get("type") !== "oauth2"
    )
    return (<div className="auth-container">
      {<form onSubmit={this.submitAuth}>
        {nonOauthDefinitions.map(definition, key => 
          return <AuthItem
            key={name}
            schema={schema}
            name={name}
            getComponent={getComponent}
            onAuthChange={this.onAuthChange}
            authorized={authorized}
            errSelectors={errSelectors}
          />
        ).toArray()}
        {<Button className="btn modal-btn auth" onClick={this.logoutClick}>Logout</Button>}
        {<Button type="submit" className="btn modal-btn auth authorize">Authorize</Button>}
        {<Button className="btn modal-btn auth btn-done" onClick={this.close}>Close</Button>}
      </form>}
      {<div className="scope-def">
        <p>Scopes are used to grant different levels of access to data on behalf of the end user. Each API may declare one or more scopes. Select which ones you want to grant to Swagger UI.</p>
        <p>API requires the following scopes. Select which ones you want to grant to Swagger UI.</p>
      </div>}
      {<definitions.filter(definition, key => schema.get("type") === "oauth2")
        .map(definition, key => {
          return (<div key={name}>
            <Oauth2
              authorized={authorized}
              schema={schema}
              name={name} />
          </div>)
        ).toArray()}
      }
    </div>}
```
<b style={{ textTransform: "capitalize", marginRight: "1em"}} >{ source } { level }</b>
        <span>{ message }</span>
      </div>
    )
  }
}


// WEBPACK FOOTER //
//
"red", margin: "1em"
} >

```javascript
import React from "react"
import PropTypes from "prop-types"

export default class BasicAuth extends React.Component {
  static propTypes = {
    authorized: PropTypes.object,
    getComponent: PropTypes.func.isRequired,
    schema: PropTypes.object.isRequired,
    onChange: PropTypes.func.isRequired,
  }

  constructor(props, context) {
    super(props, context)
    let { schema, name } = this.props
    let value = this.getValue()
    let username = value.username
    this.state = {
      name: name,
      schema: schema,
      value: !username ? {} : {
        username: username
      }
    }
  }

  getValue () {
    let { authorized, name } = this.props
    return authorized && authorized.getIn([name, "value"]) || {
  
  }

  onChange =(e) => {
    let { onChange } = this.props
    let { value, name } = e.target
    let newValue = this.state.value
    newValue[name] = value
    this.setState({ value: newValue })
    onChange(this.state)
  }

  render() {
    let { schema, getComponent, name, errSelectors } = this.props
    const Input = getComponent("Input")
    const Label = getComponent("Label")
    const Row = getComponent("Row")
    const Col = getComponent("Col")
    const AuthError = getComponent("AuthError")
    const JumpToPath = getComponent("JumpToPath", true)
    const Markdown = getComponent("Markdown")
    let username = this.getValue().username
    let errors = errSelectors.allErrors().filter( err => err.get("authId") === name )
    return (
      <div>
        <h4>Basic authorization</h4>
        { username && <h6>Authorized</h6> }
        <Row>
          <Label>Username:</Label>
          {
            username ? <code> { username } </code>
                     : <Col><Input type="text" required="required" name="username" onChange={ this.onChange }/></Col>
          }
        </Row>
        <Row>
          <Label>Password:</Label>
            {
            username ? <code> ****** </code>
                       : <Col><Input required="required" type="password" onChange={ this.onChange }/></Col>
            }
        </Row>
        {
          errors.valueSeq().map( (error, key) => {
            return <AuthError error={ error } key={ key }/>
          } )
        }
      </div>
    )
  }
}


// WEBPACK FOOTER //
//
"red", margin: "1em"
} >

```
```javascript
value) {
    var entry = getEntry(that, key);
    var prev, index;
    if (entry) {
        entry.v = value;
        return that;
    } else {
        var entry = {
            i: index = fastKey(key, true),
            v: value,
            p: prev = that._l,
            // previous entry
            n: undefined,
            r: false
        };
        if (!that._f) that._f = entry;
        if (prev) prev.n = entry;
        that[SIZE]++;
        // add to index
        if (index !== 'F') that._i[index] = entry;
    } return that;
}.
```

```javascript

value) {
    var entry = getEntry(that, key);
    var prev, index;
    // change existing entry
    if (entry) {
        entry.v = value;
        // create new entry
    } else {
        that._l = entry = {
            i: index = fastKey(key, true), // <-
            k: key,                        // <- key
            v: value,                      // <- value
            p: prev = that._l,             // <- previous entry
            n: undefined,                  // <- next entry
            r: false                       // <- removed
        };
        if (!that._f) that._f = entry;
        if (prev) prev.n = entry;
        that[SIZE]++;
        // add to index
        if (index !== 'F') that._i[index] = entry;
    } return that;
}
```

```javascript

IterDefine(C, NAME, function (iterated, kind) {
    this._t = validate(iterated, NAME); // target
    this._k = kind;
    // kind
    this._l = undefined;
    // previous
    if (kind == 'keys') return step(0, entry.k);
    if (kind == 'values') return step(0, entry.v);
    return step(0, [entry.k, entry.v]);
}, IS_MAP ? 'entries' : 'values', !IS_MAP, true);
```

```javascript
function toJSON() {
    if (classof(this) != NAME) throw TypeError(NAME + ' #toJSON isn’t generic');
    return from(this);
}
```

```javascript
/**
 * @prettier
 */
import React from "react"
import { Map, List } from "immutable"
import PropTypes from "prop-types"
import ImPropTypes from "react-immutable-proptypes"

import { stringify } from "core/utils"

// This stateful component lets us avoid writing competing values (user modifications vs example values) into global state, and the mess that comes with that: tracking which of the two values are currently used for Try-It-Out, which example a modified value came from, etc...
// We use this component to maintain one value that's both displayed to the user and used as a value during request execution.
// The solution here is to retain the last user-modified value in ExamplesSelectValueRetainer's component state, so that our global state can stay clean, always simply being the source of truth for what value should be both displayed to the user and used as a value during request execution.

const stringifyUnlessList = input =>
    List.isList(input) ? input : stringify(input)

export default class ExamplesSelectValueRetainer extends React.PureComponent {
  static propTypes = {
    examples: ImPropTypes.map,
    onSelect: PropTypes.func,
    updateValue: PropTypes.func, // mechanism to update upstream value
    getComponent: PropTypes.func.isRequired,
    currentUserInputValue: PropTypes.any,
    currentKey: PropTypes.string,
    currentNamespace: PropTypes.string,
    // Note that `currentNamespace` isn't currently used anywhere!
    // It is intended for future use in the implementation of this function.
    unrequired: PropTypes.any,
    // The solution here is to retain the last user-modified value
    // that's both displayed to the user and used as a value during request execution.
  }
  ```
Open Source Used In SDWan 20.4.1

```
currentNamespace: PropTypes.string,
  // (also proxies props for Examples)

  this.state = {
    // user edited: last value that came from the world around us, and didn't
    // match the current example's value
    internal: undefined
  }

  this._setStateForCurrentNamespace = obj => {
    const { currentNamespace } = this.props
    return this._setStateForNamespace(currentNamespace, obj)
  }

  this._setStateForNamespace = (namespace, obj) => {
    const oldStateForNamespace = this.state[namespace] || Map()
    const newStateForNamespace = oldStateForNamespace.mergeDeep(obj)
    return this.setState({
      [namespace]: newStateForNamespace,
    })
  }

  this.componentWillReceiveProps(nextProps) {
    // update `lastUserEditedValue` as new currentUserInput values come in
    const { currentUserInputValue: newValue } = nextProps
    const { lastDownstreamValue, lastUserEditedValue } = this._getStateForCurrentNamespace()
    const valueFromCurrentExample = this._getValueForExample(nextProps.currentKey, nextProps)
    const exampleMatchingNewValue = nextProps.examples.find(
      example =>
        example.value === newValue ||
        // sometimes data is stored as a string (e.g. in Request Bodies),
        // so let's check against a stringified version of our example too
        stringifyUnlessList(example.value) === newValue
    )
    if (exampleMatchingNewValue) {
      this._setStateForCurrentNamespace({
        lastUserEditedValue: nextProps.currentUserInputValue,
        isModifiedValueSelected: newValue !== valueFromCurrentExample,
      })
    } else if (
      newValue !== this.props.currentUserInputValue
    ) {
      this._setStateForCurrentNamespace({
        lastUserEditedValue: nextProps.currentUserInputValue,
        isModifiedValueSelected: true,
      })
    }
  }
```

```
this._getStateForCurrentNamespace() ||
const ExamplesSelect = getComponent("ExamplesSelect")

return

<ExamplesSelect
  examples={examples}
  currentExampleKey={currentKey}
  onSelect={this._onExamplesSelect}
  isModifiedValueAvailable={!!lastUserEditedValue}
  isValueModified={!!lastUserEditedValue}
 />

/./src/core/components/examples-select-value-retainer.jsx,"import React from \"react\";import oauth2Authorize from \"core/oauth2-authorize\";React.Component {
  static propTypes = {
    name: PropTypes.string.isRequired,
    authorized: PropTypes.object.isRequired,
  getComponent: PropTypes.func.isRequired,
  schema: PropTypes.object.isRequired,
  authSelectors: PropTypes.object.isRequired,
  authActions: PropTypes.object.isRequired,
  errSelectors: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  errActions: PropTypes.object.isRequired,
  getConfigs: PropTypes.any
}

let (name, schema, authorized, authSelectors) = this.props

const Input = getComponent("Input")
const Row = getComponent("Row")
const Col = getComponent("Col")
const Button = getComponent("Button")
const AuthError = getComponent("authError")
const JumpToPath = getComponent("JumpToPath", true)
const Markdown = getComponent("Markdown")

const IMPLICIT = "implicit"
const PASSWORD = "password"
const ACCESS_CODE = "accessCode"
const APPLICATION = "application"

let flow = schema.get("flow")
let authorizedAuth = authSelectors.authorized().get(name)
let isAuthorized = !!authorizedAuth
let description = schema.get("description")

return

<h4 name={name}>({name})</h4>
</div>

Open Source Used In SDWan 20.4.1 7144
Open Source Used In SDWan 20.4.1 7145
break
  case 'clientCredentials':
    if (typeof clientId !== 'string') {
      query.push("client_id=" + encodeURIComponent(clientId))
    } let scopeSeparator = authConfigs.scopeSeparator || ' ' var query = (Array.isArray(scopes) && 0 < scopes.length) ? query.join(scopes.join(' ')) : query
    query.push("scope=" + encodeURIComponent(scopes.join(scopes.join(' '))))
  }
  const state = btoa(new Date())
  query.push("state=" + encodeURIComponent(state))
  if (typeof authConfigs.realm !== 'undefined') {
    query.push("realm=" + encodeURIComponent(authConfigs.realm))
  }
  const key = additionalQueryParams[key] !="undefined"
  query.push("key", additionalQueryParams[key]].map(encodeURIComponent).join('"\\"'))
  for (let key in additionalQueryParams) {
    if (typeof additionalQueryParams[key] !== 'undefined') {
      query.push([key, additionalQueryParams[key]].map(encodeURIComponent).join('=')
    }
  }
  const authorizationUrl = schema.get("authorizationUrl")
  const sanitizedAuthorizationUrl = authorizeUrl(sanitizeAuthorizationUrl)
  let url = {[sanitizedAuthorizationUrl, query.join('&')].join(authorizationUrl.indexOf('?') === -1 ? '?' : '&')}
  if (flow === 'implicit') {
    callback = authActions.preAuthorizeImplicit
  } else if (authConfigs.useBasicAuthenticationWithAccessCodeGrant) {
    callback = authActions.authorizeAccessCodeWithBasicAuthentication
  } else {
    callback = authActions.authorizeAccessCodeWithFormParams
  }
  win.swaggerUIRedirectOauth2 = {
    auth: auth,
    state: state,
    redirectUrl: redirectUrl,
    callback: callback,
    errCb: errActions.newAuthErr
  }
  win.open(url)
}

import React, { Component } from 'react'
import PropTypes from 'prop-types'

export default class Clear extends Component {
  onClick = () => {
    let { specActions, path, method } = this.props
    specActions.clearResponse(path, method)
    specActions.clearRequest(path, method)
  }

  render() {
    return (<button className="btn btn-clear opblock-control__btn" onClick={ this.onClick }>
      Clear
    </button>)
  }

  static propTypes = {
    specActions: PropTypes.object.isRequired,
    path: PropTypes.string.isRequired,
    method: PropTypes.string.isRequired,
  }

export default class LiveResponse extends React.Component {
  static propTypes = {
    response: PropTypes.instanceOf(Immutable).isRequired,
    path: PropTypes.string.isRequired,
    method: PropTypes.string.isRequired,
    displayRequestDuration: PropTypes.bool.isRequired,
    specSelectors: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    getConfigs: PropTypes.func.isRequired,
  }

  shouldComponentUpdate(nextProps) {
    return this.props.response !== nextProps.response
      || this.props.path !== nextProps.path
      || this.props.method !== nextProps.method
      || this.props.displayRequestDuration !== nextProps.displayRequestDuration
  }

  render() {
    const { response, getComponent, getConfigs, displayRequestDuration, path, method, specSelectors, shouldComponentUpdate } = this.props
    const curlRequest = showMutatedRequest ? specSelectors.mutatedRequestFor(path, method) : specSelectors.requestFor(path, method)
    const status = response.get("status")
    const url = curlRequest.get("url")
    const headers = response.get("headers").toJS()
    const notDocumented = response.get("notDocumented")
    const isError = response.get("error")
    const body = response.get("text")
    const duration = response.get("duration")
    const headersKeys =
const contentType = headers["Content-Type"]

const returnObject = headersKeys.map(key => {
  return <span className="headerline"
    key={key}>
    {key}: {headers[key]}
  </span>
}).join(
  "<br/>")

console.log(returnObject);
SWAGGER2_OPERATION_METHODS = ["get", "put", "post", "delete", "options", "head", "patch"]

OAS3_OPERATION_METHODS = SWAGGER2_OPERATION_METHODS.concat(["trace"])

export default class Operations extends React.Component {
  static propTypes = {
    specSelectors: PropTypes.object.isRequired,
    specActions: PropTypes.object.isRequired,
    oas3Actions: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    layoutSelectors: PropTypes.object.isRequired,
    layoutActions: PropTypes.object.isRequired,
    authActions: PropTypes.object.isRequired,
    authSelectors: PropTypes.object.isRequired,
    getConfigs: PropTypes.func.isRequired,
    fn: PropTypes.func.isRequired
  }

  render() {
    let {
      specSelectors,
      getComponent,
      layoutSelectors,
      layoutActions,
      getConfigs,
      fn
    } = this.props

    let taggedOps = specSelectors.taggedOperations()

    const OperationContainer = getComponent("OperationContainer", true)
    const OperationTag = getComponent("OperationTag")

    let {
      maxDisplayedTags,
    } = getConfigs()

    let filter = layoutSelectors.currentFilter()

    if (filter) {
      if (filter !== true) {
        taggedOps = fn.opsFilter(taggedOps, filter)
      }
    }

    if (maxDisplayedTags && !isNaN(maxDisplayedTags) && maxDisplayedTags >= 0) {
      taggedOps = taggedOps.slice(0, maxDisplayedTags)
    }

    return (
        <div>
          {
            taggedOps.map( (tagObj, tag) => {
              const operations = tagObj.get("operations")
              return (
                <OperationTag
                  key={"operation-" + tag}
                  tagObj={tagObj}
                  tag={tag}
                  layoutSelectors={layoutSelectors}
                  layoutActions={layoutActions}
                  getConfigs={getConfigs}
                  getComponent={getComponent}>
                  {
                    operations.map( op => {
                      const path = op.get("path")
                      const method = op.get("method")
                      const specPath = Im.List(["paths", path, method])

                      if(validMethods.indexOf(method) === -1) {
                        return null
                      }

                      return <OperationContainer
                                 key={`${path}-${method}`}
                                 specPath={specPath}
                                 op={op}
                                 path={path}
                                 method={method}
                                 tag={tag}
                                />
                    })
                  }

            </OperationTag>
          )
        }
    )

    if(validMethods.indexOfOrDefault(method) === -1) {
      return null
    }

    return <OperationContainer
             key={"$\{path\}\"}>
      {
        specPath={specPath}
        op={op}
        path={path}
        method={method}
        tag={tag}
      }
    </OperationContainer
    
    // FIXME: (someday) this logic should probably be in a selector, but doing so would require further opening
    // up selectors to the plugin system, to allow for dynamic overridding of low-level selectors that other selectors rely on. --KS, 12/17
    }
  }
}

Operations.propTypes = {
  layoutActions: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  specActions: PropTypes.object.isRequired,
  layoutSelectors: PropTypes.object.isRequired,
  getComponent: PropTypes.func.isRequired,
  fn: PropTypes.func.isRequired
}

export default class OperationTag extends React.Component {
  static defaultProps = {
    tagObj: Im.fromJS({}),
    tag: "",
  }

  static propTypes = {
    tagObj: ImPropTypes.map.isRequired,
    tag: PropTypes.string.isRequired,

    layoutSelectors: PropTypes.object.isRequired,
    layoutActions: PropTypes.object.isRequired,
    getConfigs: PropTypes.func.isRequired,
    getComponent: PropTypes.func.isRequired,
    children: PropTypes.element,
  }

  render() {
    let {
      specSelectors,
      getComponent,
      layoutSelectors,
      layoutActions,
      getConfigs,
      getComponent,
    } = this.props

    let {
      docExpansion,
      deepLinking,
    } = getConfigs()

    return (<

      
    )
  }
}

// WEBPACK FOOTER //
const Collapse = getComponent("Collapse")
const Markdown = getComponent("Markdown")
const DeepLink = getComponent("DeepLink")
const Link = getComponent("Link")

let tagDescription = tagObj.getIn(["tagDetails", "description"], null)
let tagExternalDocsDescription = tagObj.getIn(["tagDetails", "externalDocs", "description"], null)
let tagExternalDocsUrl = tagObj.getIn(["tagDetails", "externalDocs", "url"], null)

let showTag = layoutSelectors.isShown(isShownKey, docExpansion === "full" || docExpansion === "list")

return (div class="opblock-tag-section is-open" : opblock-tag-section="")

<h4 onClick={() => layoutActions.show(isShownKey, !showTag)} className={showTag ? "opblock-tag no-desc" : "opblock-tag" }

id={isShownKey.map(v => escapeDeepLinkPath(v)).join("-")}

onClick={(e) => e.stopPropagation()}>

<DeepLink

enabled={isDeepLinkingEnabled}

path={createDeepLinkPath(tag)}

{ !tagDescription ? <small></small> :

<small>

{ tagExternalDocsDescription }

{ tagExternalDocsUrl ? ": " : null }

{ tagExternalDocsUrl ?

<Link

href={sanitizeUrl(tagExternalDocsUrl)}

onClick={(e) => e.stopPropagation()}

target="_blank"

> {tagExternalDocsUrl} </Link> : null

</small>

}

</small>

</div>

</h4>

</Collapse>

</div>

}

// WEBPACK FOOTER //
// ./src/core/components/operation-tag.jsx
Clear = getComponent("clear")
const Collapse = getComponent("Collapse")
const Markdown = getComponent("Markdown")
const Schemes = getComponent("schemes")
const OperationServers = getComponent("OperationServers")
const OperationExt = getComponent("OperationExt")
const OperationSummary = getComponent("OperationSummary")
const Link = getComponent("Link")

const { showExtensions } = getConfigs()

// Merge in Live Response
if(responses && response && response.size > 0) {
  let notDocumented = !responses.get(String(response.get("status"))) &&
    !responses.get("default")
  response = response.set("notDocumented", notDocumented)
}

let onChangeKey = [ path, method ] // Used to add values to _this_ operation (indexed by path and method)

return (
  <div className={deprecated ? "opblock opblock-deprecated" : isShown ? `opblock opblock-${method} is-open` : `opblock opblock-${method}`} id={escapeDeepLinkPath(isShownKey.join("-"))} >
    <OperationSummary operationProps={operationProps} toggleShown={toggleShown}
      getComponent={getComponent} authActions={authActions} authSelectors={authSelectors} specPath={specPath} />
    <Collapse isOpened={isShown}>
      <div className="opblock-body">
        { (operation && operation.size) || operation === null ? null :
          <img height="32px" width="32px"
            src={require("core/../img/rolling-load.svg")} className="opblock-loading-animation" />
        }
        { deprecated && <h4 className="opblock-title_normal"> Warning: Deprecated </h4> }
        { description &&
          <div className="opblock-description-wrapper">
            <div className="opblock-description">
              <Markdown source={ description } />
            </div>
          </div>
        }
        { !tryItOutEnabled ? null :
          <OperationServers
            getComponent={getComponent}
            path={path}
            method={method}
            operationServers={operation.get("servers")}
            pathServers={specSelectors.paths().getIn([path, "servers")}
            getSelectedServer={oas3Selectors.selectedServer}
            setSelectedServer={oas3Actions.setSelectedServer}
            setServerVariableValue={oas3Actions.setServerVariableValue}
            getServerVariable={oas3Selectors.serverVariableValue}
            getEffectiveServerValue={oas3Selectors.serverEffectiveValue}
            currentScheme={ operationScheme }
            method={method}
            path={path}
            operation={operation}
            specSelectors={ specSelectors }
            specActions={ specActions }
          />
        }
      </div>
    </Collapse>
  </div>
)

<h4 className="opblock-title_normal">Find more details</h4>
<div className="opblock-external-docs-wrapper">
  <div className="opblock-external-docs">
    <span className="opblock-external-docs__description">
      <Markdown source={ externalDocs.description } />
    </span>
    <Link target="_blank" className="opblock-external-docs__link" href={sanitizeUrl(externalDocs.url)}>{externalDocs.url}</Link>
  </div>
</div>

<Parameters
  parameters={parameters}
  specPath={ specPath.push("parameters") }
  operation={ operation }
  path={ path }
  method={ method }
  specActions={ specActions }
  specSelectors={ specSelectors }
  onChangeKey={ onChangeKey }
  onTryoutClick = { onTryoutClick }
  onCancelClick = { onCancelClick }
  fn={ fn }
  getComponent={ getComponent }
  pathMethod={ pathMethod }
  getConfigs={ getConfigs }
  oas3Actions={ oas3Actions }
  oas3Selectors={ oas3Selectors }
  operationScheme={ operationScheme }
  path={ path }
  operation={ operation }
  specSelectors={ specSelectors }
  specActions={ specActions }
  method={ method }
  path={ path }
  pathServers={ specSelectors.paths().getIn([path, "servers")}
  getServerVariable={ oas3Selectors.serverVariableValue }
  getEffectiveServerValue={ oas3Selectors.serverEffectiveValue }
  currentScheme={ operationScheme }
  method={ method }
  path={ path }
  specActions={ specActions }
  specSelectors={ specSelectors }
  operation={ operation }
  path={ path }
  method={ method }
  onExecute={ onExecute }
  executeWrapper={ "btn-group" }
  specSelectors={ specSelectors }
  specActions={ specActions }
  method={ method }
  path={ path }
  execute={ onExecute }

</div>

</div>
<Clear
        specActions={ specActions }
        path={ path }
        method={
          method 
        } />
      </div>
    </Collapse>
  </div>
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</div>
document.createElement('a');
        tempLink.style.display = 'none';
        tempLink.href = blobURL;
        tempLink.setAttribute('download', filename);
        // Safari thinks _blank anchor are pop ups. We only want to set _blank
        // target if the browser does not support the HTML5 download attribute.
        // This allows you to download files in desktop safari if pop up blocking
        // is enabled.
        if (typeof tempLink.download === 'undefined')
            tempLink.setAttribute('target', '_blank')
        
        document.body.appendChild(tempLink);
        tempLink.click();
        document.body.removeChild(tempLink);
        window.URL.revokeObjectURL(blobURL);
    }
}


//////////////////
// WEBPACK FOOTER
// module id = 973
// module chunks = 0

import React from 'react'
import { fromJS, Iterable } from 'immutable'
import PropTypes from 'prop-types'
import ImPropTypes from 'react-immutable-proptypes'
import { defaultStatusCode, getAcceptControllingResponse } from 'core/utils'

export default class Responses extends React.Component {
    static propTypes = {
        tryItOutResponse: PropTypes.instanceOf(Iterable),
        responses: PropTypes.instanceOf(Iterable).isRequired,
        produces: PropTypes.instanceOf(Iterable).isRequired,
        producesValue: PropTypes.any,
        displayRequestDuration: PropTypes.bool.isRequired,
        path: PropTypes.string.isRequired,
        method: PropTypes.string.isRequired,
        getComponent: PropTypes.func.isRequired,
        getConfigs: PropTypes.func.isRequired,
        specSelectors: PropTypes.object.isRequired,
        specActions: PropTypes.object.isRequired,
        specPath: ImPropTypes.list.isRequired,
        fn: PropTypes.object.isRequired
    }

    static defaultProps = {
        tryItOutResponse: null,
        produces: fromJS(["application/json"])
    }

    shouldComponentUpdate(nextProps) {
        // BUG: props.tryItOutResponse is always coming back as a new Immutable instance
        // let render = this.props.tryItOutResponse !==
        // nextProps.tryItOutResponse
        // || this.props.responses !== nextProps.responses
        // || this.props.produces !==
        // nextProps.produces
        // || this.props.producesValue !== nextProps.producesValue
        // ||
        // this.props.displayRequestDuration !== nextProps.displayRequestDuration
        // || this.props.path !==
        // nextProps.path
        return render
    }

    onChangeProducesWrapper = ( val ) => this.props.specActions.changeProducesValue([this.props.path,
        this.props.method]
    )

    onResponseContentTypeChange = ({ controlsAcceptHeader, value }) => {
        const { oas3Actions, path, method } = this.props
        if(controlsAcceptHeader) {
            oas3Actions.setResponseContentType({
                value,
                path,
                method
            })
        }
    }

    render() {
        let {
            responses,
            tryItOutResponse,
            getComponent,
            getConfigs,
            specSelectors,
            fn,
            producesValue,
            displayRequestDuration,
            path,
            method,
            oas3Selectors,
            oas3Actions,
        } = this.props
        let defaultCode = defaultStatusCode( responses )

        const ContentType = getComponent("contentType")
        const LiveResponse = getComponent("liveResponse")
        const Response = getComponent("response")

        let produces = this.props.produces && this.props.produces.size ?
            this.props.produces : Responses.defaultProps.produces

        const isSpecOAS3 = specSelectors.isOAS3()

        const acceptControllingResponse = isSpecOAS3 ?
            getAcceptControllingResponse(responses) : null

        return (
            <div className="responses-wrapper">
                <div className="opblock-section-header">
                    <h4>Responses</h4>
                    { isSpecOAS3 ? null : <label>
                        Response content type
                        <ContentType value={producesValue}
                            onChange={this.onChangeProducesWrapper}
                            contentTypes={produces}
                            className="execute-content-type"/>
                    </label> }
                </div>
                <div className="responses-inner">
                    { !tryItOutResponse ? null
                        : <div>
                            <LiveResponse response={ tryItOutResponse }
                                getComponent={ getComponent }
                                getConfigs={ getConfigs }
                                specSelectors={ this.props.specSelectors }
                                path={ this.props.path }
                                method={ this.props.method }
                                displayRequestDuration={ displayRequestDuration }
                            />
                        </div> }
                </div>
            </div>
        )
    }
}
this.state.responseContentType || contentTypes[0].keySeq[0])
  return (
    <tr className="response">
      <td className="col response-col_status">
        { code }
      </td>
      <td className="col response-col_description">
        <div className="response-col_description__inner">
          <Markdown source={response.get("description")} />
        </div>
      </td>
      <td className="col response-col_links">
        { links ?
          links.toSeq().map((link, key) => {
            return <OperationLink key={key} name={key} link={link} getComponent={getComponent} />
          })
        : <i>No links</i>}
      </td>
    </tr>
  )
}

// WEBPACK FOOTER //
// ./src/core/components/response.jsx
PropTypes from "prop-types"
import formatXml from "xml-but-prettier"
import toLower from "lodash/toLower"
import { extractFileNameFromContentDispositionHeader } from "core/utils"
import win from "core/window"

export default class ResponseBody extends React.PureComponent {
  state = {
    parsedContent: null
  }

  static propTypes = {
    content: PropTypes.any.isRequired,
    contentType: PropTypes.string,
    getComponent: PropTypes.func.isRequired,
    headers: PropTypes.object,
    url: PropTypes.string
  }

  updateParsedContent = (prevContent) => {
    const { content } = this.props
    if(prevContent === content) {
      return
    }
    if(content && content instanceof Blob) {
      var reader = new FileReader()
      reader.onload = () => {
        this.setState({
          parsedContent: reader.result
        })
      }
      reader.readAsText(content)
    } else {
      this.setState({
        parsedContent: content.toString()
      })
    }
  }

  componentDidMount() {
    this.updateParsedContent(null)
  }

  componentDidUpdate(prevProps) {
    this.updateParsedContent(prevProps.content)
  }

  render() {
    let { content, contentType, url, headers, getComponent } = this.props
    const { parsedContent } = this.state
    const HighlightCode = getComponent("highlightCode")
    const downloadName = "response_" + new Date().getTime()

    if (/^application\//.test(contentType) || (headers["Content-Disposition"] && (/attachment/i).test(headers["Content-Disposition"]))) {
      // Download
      let type = contentType || "text/html"
      let blob = (content instanceof Blob) ? content : new Blob([content], {type: type})
      let href = window.URL.createObjectURL(blob)
      let fileName = url.substr(url.lastIndexOf("/") + 1)
      let download = [type, fileName, href].join(":")

      if(win.navigator && win.navigator.msSaveOrOpenBlob) {
        bodyEl = <div>
          <a href={ href } onClick={() => win.navigator.msSaveOrOpenBlob(blob, download)}>{ "Download file" }</a>
        </div>
      } else {
        bodyEl = <div>
          <a href={ href } download={ download }>{ "Download file" }</a>
        </div>
      }
    } else if (/^text/html\//.test(contentType)) {
      body = formatXml(content, {
        textNodesOnSameLine: true,
        indentor: "  ">
      })
      bodyEl = <HighlightCode downloadable fileName={`${downloadName}.xml`} value={ body } />
    } else if (/^text/plain/.test(contentType)) {
      bodyEl = <HighlightCode downloadable fileName={`${downloadName}.html`} value={ content } />
    } else if (/^image\//.test(contentType)) {
      bodyEl = <img style={{ maxWidth: "100%" }} src={window.URL.createObjectURL(content)} />
    } else if (/^audio\//.test(contentType)) {
      bodyEl = <pre><audio controls><source src={ url } type={ contentType } /></audio></pre>
    } else if (typeof content === "string") {
      bodyEl = <HighlightCode downloadable fileName={"$\{downloadName\}.txt"} value={"\n\n" + content} />
    } else if (content.size > 0) {
      bodyEl = <p>{ "We were able to squeeze something out of content\n      // in 'updateParsedContent', so let's display it\n      Unrecognized response type; displaying content as text\n      Unrecognized response type; unable to display\n      "}</p>
    } else {
      bodyEl = <HighlightCode downloadable fileName={"$\{downloadName\}.txt"} value={parsedContent} />}
  }
}
WEBPACK FOOTER //\n  
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// Note: We don't know the contentType and there was no content returned

bodyEl = null

return {
  bodyEl?: null:
    <div><h5>Response body</h5></div>
  
  // We don't know the contentType and there was no content returned
  bodyEl = null
}

const bodyEl = document.createElement('div'); bodyEl.textContent = responseBody;

return bodyEl;

export default function ResponseBody({ responseBody }) {
  return <div>{responseBody}</div>;
}

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// Note: We don't know the contentType and there was no content returned

bodyEl = null

return {
  bodyEl?: null:
    <div><h5>Response body</h5></div>
  
  // We don't know the contentType and there was no content returned
  bodyEl = null
}

const bodyEl = document.createElement('div'); bodyEl.textContent = responseBody;

return bodyEl;

export default function ResponseBody({ responseBody }) {
  return <div>{responseBody}</div>;
}

WEBPACK FOOTER //\n  
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class Parameters extends Component {

  constructor(props) {
    super(props)
    this.state = {
      callbackVisible: false,
      parametersVisible: true
    }
  }

  static propTypes = {
    parameters: ImPropTypes.list.isRequired,
    operation: PropTypes.object.isRequired,
    specActions: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    specSelectors: PropTypes.object.isRequired,
    pathMethod: PropTypes.array.isRequired,
    getComponents: PropTypes.func.isRequired,
    specPath: ImPropTypes.list.isRequired,
    fn: PropTypes.func.isRequired,
  }

  static defaultProps = {
    fn: Function.prototype,
    pathMethod: PropTypes.array.isRequired,
    getComponents: ImPropTypes.list.isRequired,
    specActions: ImPropTypes.list.isRequired,
    specSelectors: ImPropTypes.list.isRequired,
    operation: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired,
    specPath: ImPropTypes.list.isRequired,
    fn: PropTypes.func.isRequired,
    pathMethod: PropTypes.array.isRequired,
    getComponents: PropTypes.func.isRequired,
    specActions: PropTypes.func.isRequired,
    specPath: PropTypes.object.isRequired,
    fn: PropTypes.func.isRequired,
  }

  onChange = (param, value, isXml) => {
    let {
      specActions: { changeParamByIdentity },
      onChangeKey,
    } = this.props
    changeParamByIdentity(onChangeKey, param, value, isXml)
  }

  onChangeConsumesWrapper = (val) => {
    let {
      specActions: { changeConsumesValue },
      onChangeKey,
    } = this.props
    changeConsumesValue(onChangeKey, val)
  }

  toggleTab = (tab) => {
    if(tab === "parameters"){
      return this.setState({
        parametersVisible: true,
        callbackVisible: false
      })
    }else if(tab === "callbacks"){
      return this.setState({
        callbackVisible: true,
        parametersVisible: false
      })
    }
  }

  render(){
    let {
      onTryoutClick,
      onCancelClick,
      parameters,
      allowTryItOut,
      tryItOutEnabled,
      specPath,
      fn,
      getComponent,
      getConfigs,
      specSelectors,
      specActions,
      pathMethod,
      oas3Actions,
      oas3Selectors,
      operation
    } = this.props
    const ParameterRow = getComponent("parameterRow")
    const TryItOutButton = getComponent("TryItOutButton")
    const ContentType = getComponent("contentType")
    const Callbacks = getComponent("Callbacks", true)
    const RequestBody = getComponent("RequestBody", true)
    let isExecute = tryItOutEnabled && allowTryItOut
    let isOAS3 = specSelectors.isOAS3()

    let requestBody = operation.get("requestBody")
    return (
      <div className="opblock-section">
        <div
          className="opblock-section-header">
          { isOAS3 ? (
            <div className="tab-header">
              <div onClick={() => this.toggleTab("parameters")} className={`tab-item ${this.state.parametersVisible && "active"}`}
                onClick={() => this.toggleTab("parameters")} className={`tab-item ${this.state.parametersVisible && "active"}`}
                    <h4 className="opblock-title"><span>Parameters</span></h4>
                  </div>
                  <div className="tab-item">
                    <h4 className="opblock-title"><span>Callbacks</span></h4>
                  </div>
                </div>
              ) : null
            )
          )}
            { allowTryItOut ? (
              <TryItOutButton enabled={ tryItOutEnabled }
                onCancelClick={ onCancelClick } onTryoutClick={ onTryoutClick } />
            ) : null }
        </div>
        {this.state.parametersVisible ? <div className="parameters-container">
        { !parameters.count() ? <div
          className="opblock-description-wrapper"><p>No parameters</p></div> :
          <div className="table-container">
            <table className="parameters">
              <thead>
                <tr>
                  <th
                    className="col col_header parameters-col_name">Name</th>
                  <th className="col col_header
                    parameters-col_description">Description</th>
                </tr>
              </thead>
              <tbody>
                {
                  eachMap(parameters, (parameter, i) => (
                    <ParameterRow
                      fn={ fn }
                      specPath={specPath.push(i.toString())}
                      getComponent={ getComponent }
                      getConfigs={ getConfigs }
                      rawParam={ parameter }
                      param={
                        specSelectors.parameterWithMetaByIdentity(pathMethod, parameter) }
                      key={ `\$\{parameter.get("name")\}` }
                      onChange={ (this.onChangeKey, parameter) }
                      onChangeConsumes={this.onChangeConsumesWrapper}
                      specSelectors={ specSelectors }
                      specActions={ specActions }
                      oas3Actions={oas3Actions}
                      pathMethod={ pathMethod }
                      isExecute={ isExecute }
                    )}
                  )).toArray()
                }
              </tbody>
            </table>
          </div>
        }
        </div>
      </div>
PropTypes.func.isRequired,
    specPath: ImPropTypes.list.isRequired,
    oas3Actions:
    PropTypes.object.isRequired,

  constructor(props, context)
  { super(props, context)
    this.setDefaultValue() || new Map() // fallback, if the meta lookup fails
    parameterWithMeta = parameterWithMeta.is-empty() ? rawParam : parameterWithMeta
    let enumValue = undefined
    let value = undefined
    if (paramValue !== undefined) {
      value = paramValue
    } else if (rawParam.get("required") && enumValue && enumValue.size) {
      value = enumValue.first()
    }

    if (value !== undefined && value !== paramValue) {
      onChangeWrapper(numberToString(value))
    }

  onChangeWrapper = (value, isXml = false) => {
    let valueForUpstream
    if (value === "" || (value && value.size === 0)) {
      valueForUpstream = null
    } else {
      valueForUpstream = value
    }

    return onChange(param, valueForUpstream) // Coerce empty strings and empty Immutable objects to null

  _onExampleSelect = (key, /* { isSyntheticChange } = {} */) => {
    this.props.oas3Actions.setActiveExamplesMember({
      name: key,
      pathMethod: this.props.pathMethod,
      contextType: "parameters",
      contextName: this.getParamKey()
    })
  }

  onChangeIncludeEmpty = (newValue) => {
    let specActions, param, pathMethod
    return specActions.updateEmptyParamInclusion(pathMethod, paramName, paramIn, newValue)
  }

  getParamKey() {
    const { param } = this.props
    if (!param) return null

    return `${param.get("name")}-${param.get("in")}`
  }

  render() {
    let param, rawParam, getComponent, getConfigs, isExecute, fn, onChangeConsumes, specSelectors, pathMethod, specPath, oas3Selectors = this.props
    let isOAS3 = specSelectors.isOAS3()

    const showExtensions, showCommonExtensions = getConfigs()
    if (param) {
      let rawParam = param
    } else if (rawParam) return null
    // const onChangeWrapper = (value) => onChange(param, value)
    const JsonSchemaForm = getComponent("JsonSchemaForm")
    const ParamBody = getComponent("ParamBody")
    let inType = param.get("in")
    let bodyParam = inType !== "body" ? null
    : <ParamBody getComponent={getComponent}
                 fn={fn}
                 param={param}
                 consumes={specSelectors.contentTypeValues(pathMethod)}
                 consumesValue={specSelectors.contentTypeValues(pathMethod).get("requestContentType")}
                 onChangeConsumes={onChangeConsumes}
                 pathMethod={pathMethod} />

    return specActions.updateEmptyParamInclusion(pathMethod, paramName, paramIn, newValue)
  }

  onChangeIncludeEmpty = (newValue) => {
    let specActions, param, pathMethod
    return specActions.updateEmptyParamInclusion(pathMethod, paramName, paramIn, newValue)
  }

  getParamKey() {
    const { param } = this.props
    if (!param) return null

    return `${param.get("name")}-${param.get("in")}`
  }

  render() {
    let param, rawParam, getComponent, getConfigs, isExecute, fn, onChangeConsumes, specSelectors, pathMethod, specPath, oas3Selectors = this.props
    let isOAS3 = specSelectors.isOAS3()

    const showExtensions, showCommonExtensions = getConfigs()
    if (param) {
      let rawParam = param
    } else if (rawParam) return null
    // const onChangeWrapper = (value) => onChange(param, value)
    const JsonSchemaForm = getComponent("JsonSchemaForm")
    const ParamBody = getComponent("ParamBody")
    let inType = param.get("in")
    let bodyParam = inType !== "body" ? null
    : <ParamBody getComponent={getComponent}
                 fn={fn}
                 param={param}
                 consumes={specSelectors.contentTypeValues(pathMethod)}
                 consumesValue={specSelectors.contentTypeValues(pathMethod).get("requestContentType")}
                 onChangeConsumes={onChangeConsumes}
                 pathMethod={pathMethod} />

    return specActions.updateEmptyParamInclusion(pathMethod, paramName, paramIn, newValue)

ParameterIncludeEmpty = getComponent("ParameterIncludeEmpty")
const ExamplesSelectValueRetainer =
getComponent("ExamplesSelectValueRetainer")
const Example = getComponent("Example")

let paramWithMeta = specSelectors.parameterWithMetaByIdentity(pathMethod, rawParam) || Map()
let format = param.get("format")
let schema = isOAS3 ? param.get("schema") : param
let type = schema.get("type")
let isFormData = inType === "formData"
let isFormDataSupported = "FormData" in win
let required = param.get("required")
let itemType = schema.getIn(["items", ","type"])
let value = paramWithMeta ? paramWithMeta.get("value") : ""
let commonExt = showCommonExtensions ?
getCommonExtensions(param) : null
let extensions = showExtensions ? getExtensions(param) : null
let paramItems // undefined
let paramEnum // undefined
let paramDefaultValue // undefined
let paramExample // undefined
let isDisplayParamEnum = false
if (param !== undefined) {
  paramItems
  = schema.get("items")
}
if (paramItems !== undefined) {
  paramEnum = paramItems.get("enum")
  paramDefaultValue = paramItems.get("default")
}
if (paramEnum !== undefined && paramEnum.size > 0) {
  isDisplayParamEnum = true
}
let paramExample = param.get("x-example")
let paramDefaultValue = schema.get("default")
let paramExample = getComponent("Example")

if (paramExample !== undefined) {
  <ExamplesSelectValueRetainer
    examples={param.get("examples")}
    onSelect={this._onExampleSelect}
    updateValue={this.onChangeWrapper}
    getComponent={getComponent}
    defaultToFirstExample={true}
    currentKey={(oas3Selectors.activeExamplesMember(...pathMethod,
      "parameters", this.getParamKey()))}
    currentUI={value}
    specPath={specPath}
    push("schema")
  />
}
if (bodyParam || !isExecute) {
  <ModelExample
    getComponent={ getComponent }
    specPath={specPath}
    specSelectors={ specSelectors }
  />
}
`bodyParam` && isExecute ? null : 
  onChange={this.onChangeIncludeEmpty}
</td>
</tr>

</tbody>
</table>
</div>

</body>
</html>
React.Component {
  constructor(...args) {
    super(...args)
    this.setTagShown = this._setTagShown.bind(this)
  }
  render() {
    let { specSelectors, layoutSelectors, layoutActions, getComponent } = this.props
    let taggedOps = specSelectors.taggedOperations().toArray()
    let showOpIdPrefix = "operations"
    let showOpId = id
    let shown = layoutSelectors.isShown([showOpIdPrefix, showOpId])
    return (<div showOpId={showOpId} />
      <OperationLink key={id} showOpId={showOpId} showOpIdPrefix={showOpIdPrefix} href={`#operation-$${showOpId}`} />
    ).toArray()
  }
  _setTagShown(showTagId, shown) {
    this.props.layoutActions.show(showTagId, shown)
  }
}

Overview.propTypes = {
  layoutSelectors: PropTypes.object.isRequired,
  specSelectors: PropTypes.object.isRequired,
  layoutActions: PropTypes.object.isRequired,
  getComponent: PropTypes.func.isRequired
}

export class OperationLink extends React.Component {
  constructor(props) {
    super(props)
    this.onClick = this._onClick.bind(this)
  }
  _onClick() {
    let { showOpId, showOpIdPrefix, onClick, shown } = this.props
    onClick([showOpIdPrefix, showOpId], !shown)
  }
  render() {
    let { id, method, shown, href } = this.props
    return (<Link href={sanitizeUrl(href)} target="_blank" className="block opblock-link">
      <div>
        <small className={`bold-label-${method}`}>{method.toUpperCase()}</small>
        <span className="bold-label">{id}</span>
      </div>
    </Link>)
  }
}

InfoBasePath.propTypes = {
  host: PropTypes.string,
  basePath: PropTypes.string
}

export class InfoBasePath extends React.Component {
  render() {
    let { host, basePath } = this.props
    return (<pre className="base-url">
      [ Base URL: {host}{basePath} ]
    </pre>)
  }
}

Contact.propTypes = {
  data: PropTypes.object,
  getComponent: PropTypes.func.isRequired
}

export class Contact extends React.Component {
  render() {
    let { data, getComponent } = this.props
    let name = data.get("name") || "the developer"
    let url = data.get("url")
    let email = data.get("email")
    const Link = getComponent("Link")
    return (<div className="info__contact">
      { url && <div><Link href={sanitizeUrl(url)} target="_blank">{ name } - Website</Link></div> }
      { email && <Link href={sanitizeUrl(`mailto:${email}`)}>
        { url ? `Send email to ${name}` : `Contact ${name}`}
      </Link> }
    </div>)
  }
}

License.propTypes = {
  license: PropTypes.object,
  getComponent: PropTypes.func.isRequired
}

export class License extends React.Component {
  render() {
    let { license, getComponent } = this.props
    let name = license.get("name") || "License"
    let url = license.get("url")
    return (<div className="info__license">
      <div className="license__license">
        { url ? <div className="license__license">
          <div className="license__licensed">License</div>
        </div> : <div className="license__license">
          <div className="license__licensed">License</div>
        </div> }
      </div>
    </div>)
  }
}
url ? <Link target="_blank" href={ sanitizeUrl(url) }><span className="url"> { url } </span></Link> : <span>{ name }</span> 
        }
      </div>
    )
  }
}

export class InfoUrl extends React.PureComponent {
  static propTypes = {
    url: PropTypes.string.isRequired,
    getComponent: PropTypes.func.isRequired
  }

  render () {
    const { url, getComponent } = this.props
    const Link = getComponent("Link")
    return <Link target="_blank" href={ sanitizeUrl(url) }><span className="url"> { url } </span></Link>
  }
}

export default class Info extends React.Component {
  static propTypes = {
    info: PropTypes.object,
    url: PropTypes.string,
    host: PropTypes.string,
    basePath: PropTypes.string,
    externalDocs: ImPropTypes.map,
    getComponent: PropTypes.func.isRequired
  }

  render () {
    let { info, url, host, basePath, externalDocs, getComponent } = this.props
    let version = info.get("version")
    let description = info.get("description")
    let title = info.get("title")
    let termsOfService = info.get("termsOfService")
    let contact = info.get("contact")
    let license = info.get("license")
    const { url:externalDocsUrl, description:externalDocsDescription } = (externalDocs || fromJS({})).toJS()

    const Markdown = getComponent("Markdown")
    const Link = getComponent("Link")
    const VersionStamp = getComponent("VersionStamp")
    const InfoUrl = getComponent("InfoUrl")
    const InfoBasePath = getComponent("InfoBasePath")

    return (
      <div className="info">
        <hgroup className="main">
          <h2 className="title" >{ title }
            { version && <VersionStamp version={version}></VersionStamp> }
          </h2>
          { host || basePath ? <InfoBasePath host={ host } basePath={ basePath } /> : null }
          { url && <InfoUrl getComponent={getComponent} url={url} /> }
        </hgroup>

        <div className="description">
          <Markdown source={ description } />
        </div>

        { termsOfService && <div className="info__tos">
            <Link target="_blank" href={ sanitizeUrl(termsOfService) }>Terms of service</Link>
          </div>
        }

        {contact && contact.size ? <Contact getComponent={getComponent} data={ contact } /> : null }
        {license && license.size ? <License getComponent={getComponent} license={ license } /> : null }
        { externalDocsUrl ?
            <Link className="info__extdocs" target="_blank" href={sanitizeUrl(externalDocsUrl)}>{externalDocsDescription || externalDocsUrl}</Link>
        : null }

      </div>
    )
  }
}

Info.propTypes = {
  title: PropTypes.any,
  description: PropTypes.any,
  version: PropTypes.any,
  url: PropTypes.string
}


>// WEBPACK FOOTER //</div>
inputStyle.color = \"\red\" if (isLoading) inputStyle.color = \"\#aaa\" return <div>
  { filter !== null || filter === false ? null : 
    <div className="filter-container">
      <Col className="filter-container">
        <input type="text" onKeyPress={this.onFilterChange} value={filter} disabled={isLoading} style={{color: inputStyle.color}} />
      </Col>
    </div>
  }
</div>

// WEBPACK FOOTER //
// ./src/core/containers/filter.jsx",
"import React, { PureComponent } from \"react\"; import PropTypes from \"prop-types\"; import { fromJS, List } from \"immutable\";

const NOOP = Function.prototype

export default class ParamBody extends PureComponent {

  static propTypes = {
    param: PropTypes.object,
    onChange: PropTypes.func,
    onChangeConsumes: PropTypes.func,
    consumes: PropTypes.object
  };

  static defaultProps = {
    consumes: fromJS(["application/json"])
  };

  constructor(props, context) {
    super(props, context)

    this.state = {
      isEditBox: false,
      value: ""
    }

    this.updateValues.call(this, this.props)
  }

  componentDidMount() {
    this.updateValues.call(this, this.props)
  }

  updateValues = (props) => {
    let { param, consumesValue = "" } = props
    let isXml = /xml/i.test(consumesValue)
    let isJson = /json/i.test(consumesValue)
    let paramValue = isXml ? param.get("value_xml") : param.get("value")

    if (paramValue !== undefined) {
      let val = !paramValue && isJson ? "{}" : paramValue
      this.setState({ value: val })
      this.onChange(val, {isXml: isXml})
    } else {
      if (isXml) {
        this.onChange(sample("xml"), {isXml: isXml, isEditBox: isExecute})
      } else {
        this.onChange(sample(), {isEditBox: isExecute})
      }
    }
  }

  onChange = (value, { isXml, isEditBox }) => {
    this.setState({ value, isEditBox })
    this._onChange(value, isXml)
  }

  _onChange = (val, isXml) => {
    this.props.onChange ? this.props.onChange(val, isXml) : null
  }

  handleOnChange = e => {
    const consumesValue = this.props.consumes && this.props.consumes.size ? this.props.consumes : ParamBody.defaultProp.consumes
    let parameter = consumesValue ? consumesValue.get("parameterWithMetaByIdentity") : param
    let errors = parameter.get("errors", List())
    let consumesValue = consumesValue != null ? consumesValue : parameter.get("consumesValue")
    let consumes = consumesValue && consumesValue.size ? consumesValue : ParamBody.defaultProp.consumes

    let { value, isEditBox } = this.state

    return (<div>
      { isEditBox && isExecute
        ? <TextArea value={value} onChange={this.handleOnChange} />
        : (value && <HighlightCode value={value} />)
      }
      <div>
        { !isExecute ? null
          : <div className="body-param-edit">
            <Button className={isEditBox ? "btn cancel body-param__example-edit" : "btn edit body-param__example-edit"}
                       onClick={this.toggleIsEditBox}>
              { isEditBox ? "Cancel" : "Edit"}
            </Button>
          </div>
        }
        <label htmlFor="">
          Parameter content type
        </label>
        <ContentType value={consumesValue} contentTypes={consumes} />
      </div>
    </div>)
}
import React from 'react';
import { PropTypes, import, Curlify, defaultClass } from 'core/curlify';
import defaultClass from 'default-class';
import model from 'model';
import children from 'children';
import specActions from 'specActions';
import specSelectors from 'specSelectors';
import componentWillMount from 'componentWillMount';
import componentWillReceiveProps from 'componentWillReceiveProps';
import onChange from 'onChange';
import Schemes from 'Schemes';
import SchemesContainer from 'SchemesContainer';
import ModelCollapse from 'ModelCollapse';

class Schemes extends React.Component {
  static propTypes = {
    specActions: PropTypes.object.isRequired,
    schemes: PropTypes.object.isRequired,
    currentScheme: PropTypes.string.isRequired,
    path: PropTypes.string,
    method: PropTypes.string,
  }

  componentWillMount() {
    let { schemes } = this.props

    // fire 'change' event to set default 'value' of select
    this.setScheme(schemes.first())
  }

  componentWillReceiveProps(nextProps) {
    if (!this.props.currentScheme || !nextProps.schemes.includes(this.props.currentScheme)) {
      // if we don’t have a selected currentScheme or if our selected scheme is no longer an option, then fire 'change' event and select the first scheme in the list of options
      this.setScheme(nextProps.schemes.first())
    }
  }

  onChange = (e) => {
    this.setScheme(e.target.value)
  }

  setScheme = (value) => {
    let { path, method, specActions } = this.props

    specActions.setScheme(value, path, method)
  }

  render() {
    let { schemes, currentScheme } = this.props

    return (
      <label htmlFor="schemes">
        <span className="schemes-title">Schemes</span>
        <select onChange={this.onChange} value={currentScheme}>
          {schemes.valueSeq().map((scheme) => <option value={scheme} key={scheme}>{scheme}</option>).toArray()}
        </select>
      </label>
    )
  }
}

class SchemesContainer extends React.Component {
  static propTypes = {
    specActions: PropTypes.object.isRequired,
    specSelectors: PropTypes.object.isRequired,
    getComponent: PropTypes.func.isRequired
  }

  render() {
    const { specActions, specSelectors, getComponent } = this.props

    const currentScheme = specSelectors.operationScheme()
    const schemes = specSelectors.schemes()

    const Schemes = getComponent('schemes')

    const schemesArePresent = schemes && schemes.size

    return schemesArePresent ? (
      <Schemes
        currentScheme={currentScheme}
        schemes={schemes}
        specActions={specActions}
      />
    ) : null
  }
}

class ModelCollapse extends Component {
  static propTypes = {
    collapsedContent: PropTypes.any,
    expanded: PropTypes.bool,
    children: PropTypes.array
  }

  render() {
    const { specActions, getComponent } = this.props

    const currentScheme = specSelectors.operationScheme()

    const schemesArePresent = schemes && schemes.size

    return schemesArePresent ? (
      <Schemes
        currentScheme={currentScheme}
        schemes={schemes}
        specActions={specActions}
      />
    ) : null
  }
}

export default Schemes;
export default SchemesContainer;
export default ModelCollapse;
onToggle = (name,isShown) => {
  // If this prop is present, we'll have deepLinking for it
  if(this.props.layoutActions) {
    this.props.layoutActions.show(["models", name],isShown)
  } else {
    let expanded = this.props.layoutSelectors
    if(this.props.layoutSelectors) {
      // If this is prop is present, we'll have deepLinking for it
      expanded = this.props.layoutSelectors.isShown(["models",this.props.name])
    }
  }
  return <div className="model-box" >
    <Model {...this.props} getConfigs={ getConfigs } expanded={expanded} depth= { 1 } onToggle={ this.onToggle } expandDepth={ this.props.expandDepth || 0 } />
  </div>
}

</Model>

return <div className="model-box">
  <Model { ...this.props } getConfigs={ getConfigs } expanded={expanded} depth={ 1 } onToggle={ this.onToggle } expandDepth={ this.props.expandDepth || 0 } />
</div>

}

export default class Models extends Component {
  static propTypes = {
    getComponent: PropTypes.func,
    specSelectors: PropTypes.object,
    specActions: PropTypes.object.isRequired,
    layoutSelectors: PropTypes.object,
    layoutActions: PropTypes.object,
    getConfigs: PropTypes.func.isRequired
  }

  getSchemaBasePath = () => {
    const isOAS3 = 


this.props.specSelectors.isOAS3() \n  return isOAS3 ? ['components', 'schemata'] : ['definitions'] \n
getCollapsedContent = () => { \n  return ' ' \n} \n
handleToggle = (name, isExpanded) => { \n  const { \n    layoutActions \n  } = this.props; \n  layoutActions.show(['models', name], isExpanded) \n  if(isExpanded) { \n    this.props.specActions.requestResolvedSubtree([...this.getSchemaBasePath(), name]) \n  } \n}

getCollapsedContent = () => { \n  return ' ' \n}

handleToggle = (name, isExpanded) => { \n  const { \n    layoutActions \n  } = this.props; \n  layoutActions.show(['models', name], isExpanded) \n  if(isExpanded) { \n    this.props.specActions.requestResolvedSubtree([...this.getSchemaBasePath(), name]) \n  } \n}

render() { \n  let { \n    specSelectors, getComponent, layoutSelectors, layoutActions, getConfigs } = this.props; \n  let definitions = specSelectors.definitions() \n  let { \n    docExpansion, defaultModelsExpandDepth \n  } = getConfigs(); \n  if(!definitions.size || defaultModelsExpandDepth < 0) return null \n  let showModels = layoutSelectors.isShown(['models', defaultModelsExpandDepth > 0 && docExpansion !== 'none']) \n  const specPathBase = this.getSchemaBasePath() \n  const isOAS3 = specSelectors.isOAS3() \n  const ModelWrapper = getComponent('ModelWrapper') \n  const Collapse = getComponent('Collapse') \n  const ModelCollapse = getComponent('ModelCollapse') \n  const JumpToPath = getComponent('JumpToPath') \n  return <section \n    className={ showModels ? 'models is-open' : 'models' } \n    > \n    <h4 onClick={() => \n      layoutActions.show(['models', !showModels]) \n    }> \n      <span>{isOAS3 ? 'Schemas' : 'Models' } </span> \n      <svg width="20" height="20"> \n        <use xlinkHref={showModels ? '#large-arrow-down' : '#large-arrow'} /> \n      </svg> \n    </h4> \n    <Collapse isOpened={showModels} > \n      { \n        definitions.entrySeq().map(([name])=>{ \n          const fullPath = [...specPathBase, name] \n          const schemaValue = specSelectors.specResolvedSubtree(fullPath) \n          const rawSchemaValue = specSelectors.specJson().getIn(fullPath) \n          const displayName = schema.get('title') || rawSchemaValue.get('title') || name \n          const isShown = layoutSelectors.isShown(['models', name], false) \n          if(isShown && (schema.size === 0 && rawSchemaValue.size > 0)) \n            // Firing an action in a container render is not great, \n            // but it works for now. \n            this.props.specActions.requestResolvedSubtree([...this.getSchemaBasePath(), name]) \n            const specPath = Im.List([...specPathBase, name]) \n            const modelWrapper = { \n              className: 'model model-title', \n              displayName: displayName \n            } \n            const specCollapse = <div {...specPath}> \n              <ModelCollapse \n                classes='model-box' \n                collapsedContent={ \n                  this.getCollapsedContent(name) \n                } \n                onToggle={this.handleToggle} \n                hideSelfOnExpand={true} \n                expanded={defaultModelsExpandDepth > 0 && isShown} \n                > \n                  { content } \n                </ModelCollapse> \n              </div> \n            </Collapse> \n        }) \n      } \n    </Collapse> \n  </section> \n}

EnumModel = ({ \n  value, getComponent }) => { \n  let EnumModel = getComponent('EnumModel') \n  let collapsedContent = <div \n    className='model model-container'> \n    <span className='model-model-title'> \n      Enum: \n    </span> \n    <ModelCollapse \n      classes='model-box' \n      collapsedContent={\n        this.getCollapsedContent(name)} \n      > \n      { content } \n    </ModelCollapse> \n  </div> \n  return EnumModel; \n}

ObjectModel = ({ \n  schema, getComponent, getConfigs, expanded, \n  specSelectors, name: \n  getComponent: PropTypes.func.isRequired, \n  getConfigs: PropTypes.func.isRequired, \n  expanded: PropTypes.bool, \n  onToggle: PropTypes.func, \n  specSelectors: PropTypes.object.isRequired, \n  name:
let extensions = getExtensions(schema)
let properties = schema
  .filter((v, key) => ['enum', 'type', 'format', 'description', '$ref'].indexOf(key) === -1)
  .filterNot((v, key) => extensions.has(key))

const Markdown = getComponent('Markdown')
const EnumModel = getComponent('EnumModel')
const Property = getComponent('Property')

return <span className="model">
  <span className="prop">
    { name && <span className={`${depth === 1 && 'model-title'} prop-name">{ title }</span> }
    <span className="prop-type">{ type }</span>
    { format && <span className="prop-format">(${format})</span> }
    { properties.size ? properties.entrySeq().map(( [key, v] ) => <Property key={`${key}-${v}`} propKey={key} propVal={v} propStyle={propStyle} />) : null }
    { !description ? null :
      <Markdown source={description} />
    }
    { xml && xml.size ? (<span><br/>
      <span style={propStyle}>xml:</span>
      { xml.entrySeq().map(( [key, v] ) => <span key={`${key}-${v}`} style={propStyle}>
        &nbsp;&nbsp;&nbsp;{key}: {String(v)}</span>)).toArray()
    } : null }
    { enumArray && <EnumModel value={enumArray} getComponent={getComponent} />
  </span>
</span>

export const Property = ({ propKey, propVal, propStyle }) => {
  return (<span style={propStyle}>
    <br/>{propKey}: {String(propVal)}</span>)
}
Property.propTypes = {
  propKey: PropTypes.string,
  propVal: PropTypes.any,
  propStyle: PropTypes.object
}

export default Property

export default class TryItOutButton extends React.Component {
  static propTypes = {
    onTryoutClick: PropTypes.func,
    onCancelClick: PropTypes.func,
    enabled: PropTypes.bool,
  };
  static defaultProps = {
    onTryoutClick: Function.prototype,
    onCancelClick: Function.prototype,
    enabled: false,
  };
  render() {
    const { onTryoutClick, onCancelClick, enabled } = this.props
    return (<div className="try-out">
      { enabled ? <button className="btn try-out__btn cancel" onClick={onCancelClick}>Cancel</button>
        : <button className="btn try-out__btn" onClick={onTryoutClick}>Try it out</button> }
    </div>)
  }
}

export default class VersionPragmaFilter extends React.PureComponent {
  static propTypes = {
    isSwagger2: PropTypes.bool.isRequired,
    isOAS3: PropTypes.bool.isRequired,
    bypass: PropTypes.bool.isRequired,
    alsoShow: PropTypes.bool.isRequired,
    children: PropTypes.any,
  };
  static defaultProps = {
    alsoShow: null,
    children: null,
    bypass: false,
  };
  render() {
    const { isSwagger2, isOAS3, bypass, alsoShow, children } = this.props
    return (<div style={{marginBottom: '20px'}}>
      <div style={{marginBottom: '20px'}}>{children}</div>
    </div>)
  }
}

export default class OpenSourceUsedInSDWan extends React.Component {
  static propTypes = {
    isSwagger2: PropTypes.bool.isRequired,
    isOAS3: PropTypes.bool.isRequired,
    bypass: PropTypes.bool.isRequired,
    alsoShow: PropTypes.bool.isRequired,
    children: PropTypes.any,
  };
  static defaultProps = {
    alsoShow: null,
    children: null,
    bypass: false,
  };
  render() {
    const { isSwagger2, isOAS3, bypass, alsoShow, children } = this.props
    return (<div style={{marginBottom: '20px'}}>{children}</div>)
  }
}

export default class OpenAPIUsedInSDWan extends React.Component {
  static propTypes = {
    isSwagger2: PropTypes.bool.isRequired,
    isOAS3: PropTypes.bool.isRequired,
    bypass: PropTypes.bool.isRequired,
    alsoShow: PropTypes.bool.isRequired,
    children: PropTypes.any,
  };
  static defaultProps = {
    alsoShow: null,
    children: null,
    bypass: false,
  };
  render() {
    const { isSwagger2, isOAS3, bypass, alsoShow, children } = this.props
    return (<div style={{marginBottom: '20px'}}>{children}</div>)
  }
}
Remarkable.prototype.set = function (options) {
  assign(this.options, options);
};

/**
 * Batch loader for components rules states, and options
 * @param {Object} `presets`
 * @return {Object} `Remarkable` for chaining
 */

Remarkable.prototype.configure = function (presets) {
  var self = this;

  if (!presets) { throw new Error('Wrong `remarkable` preset, check name/content'); }
  if (presets.options) { self.set(presets.options); }
  if (presets.components) {
    Object.keys(presets.components).forEach(function (name) {
      if (presets.components[name].rules) {
        var md = new Remarkable();
        md.use(presets.components[name].rules, true);
        md = null;
        self[name].ruler.enable(presets.components[name].rules, true);
      }
    });
  }
};

/**
 * Use a plugin.
 *
 * ```js
 * var md = new Remarkable();
 *
 * md.use(plugin1)
 * .use(plugin2, opts)
 * .use(plugin3);
 * ```
 *
 * @param  {Function} `plugin`
 * @param  {Object} `options`
 * @return {Object} `Remarkable` for chaining
 */

Remarkable.prototype.use = function (plugin, options) {
  plugin(this, options);
  return this;
};

/**
 * Render a single content
 */

module.exports = Renderer;

/**
 * Renderer class. Renders HTML and exposes `rules` to
 * allow local modifications.
 */

function Renderer() {
  this.rules = {};

  // exported helper, for custom rules only
  this.getBreak = rules.getBreak;
}

/**
 * Render a string of inline HTML with
 * the given `tokens` and `options`.
 *
 * @param  {Array} `tokens`
 * @param  {Object} `options`
 * @param  {Object} `env`
 * @return {String}
 * @api public
 */

Renderer.prototype.render = function (tokens, options, env) {
  var _rules = this.rules;
  var len = tokens.length, i = -1;
  var result = '';

  while (++i < len) {
    if (tokens[i].type === 'inline') {
      result += this.renderInline(tokens[i].children, options, env);
    } else {
      result += _rules[tokens[i].type](tokens, i, options, env, this);
    }
  }
  return result;
};

/**
 * Render a single content
 */

module.exports.utils = require('./common/utils');

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function(tokens, idx, options, env, instance) {
  var token = tokens[idx];
  var langClass = "", 
  var langPrefix = options.langPrefix;
  var langName = "", 
  var highlighted = 
  var token.params = split(idx, /\s+/g);
  var fenceName = fences.join(" ");
  if (highlighted) 
  var token.content = fenceName;
  } else {
    return escapeHtml(token.content);
  }
}

/**
 * Open source used in SDWAN 20.4.1
 */

rules.open = function(tokens, idx, options, env, instance) {
  var token = tokens[idx];
  var langClass = class="" + langPrefix + langName + "";
  if (options.highlight)
    return escapeHtml(token.content);
}

/**
 * Try custom renderers first. That will simplify overwriting
 * for diagrams, latex, and any other fenced block with custom look
 */

fences = token.params.split(/\s+/g);

return fences;
```javascript
  tokens.push({
    type: 'inline',
    content: '',
    level: level,
    children: tokens
  });

  if (list[i].tokens) {
    tokens = 
```
Autolinker({
    stripPrefix: false,
    url: true,
    email: true,
    twitter: false,
    replaceFn: function (linker, match) {
      // Only collect matched strings but don't change anything.
      switch (match.getType()) {
        case 'url':
          links.push(
            {
              text: match.matchedText,
              url: match.getUrl()
            }
          );
          break;
        case 'email':
          email.push(
            {
              content: match.matchedText,
              href: match.getEmail()
            }
          );
          break;
        default:
          continue;
      }
    }
  });
}

if (isLinkOpen(token.content) && htmlLinkLevel > 0) {
  htmlLinkLevel--;
}
if (isLinkClose(token.content)) {
  htmlLinkLevel++;
}

if (!state.options.linkify) { return; }

  for (j = 0, l = blockTokens.length; j < l; j++) {
    if (blockTokens[j].type !== 'inline') {
      continue;
    }
    tokens = blockTokens[j].children;
    htmlLinkLevel = 0;
    // We scan from the end, to keep position when new tags added.
    // Use reversed logic in links start/end match
    for (i = tokens.length - 1; i >= 0; i--) {
      token = tokens[i];

      // Skip content of html tag links
      if (token.type === 'htmltag') {
        continue;
      }
      if (token.type === 'text' && LINK_SCAN_RE.test(token.content)) {
        // Init linkifier in lazy manner, only if required.
        if (!linkifier) {
          linkifier = createLinkifier();
          links = linkifier.links;
        }
        if (isLinkOpen(token.content)) {
          htmlLinkLevel++;
        }
        if (htmlLinkLevel > 0) { continue; }
        if (isLinkClose(token.content)) {
          htmlLinkLevel--;
        }
      }
      if (token.type === 'link_open') {
        htmlLinkLevel++;
        htmlLinkLevel = htmlLinkLevel;
      }
      if (token.type === 'link_close') {
        if (!linkifier) { continue; }
        links = linkifier.links;
        autolinker = linkifier.autolinker;
        htmlLinkLevel = htmlLinkLevel - 1;
        // Now split string to nodes
        nodes.push({
          type: 'link_close',
          level: --level
        });
      }
      if (token.type === 'text') {
        if (!linkifier) { continue; }
        links = linkifier.links;
        autolinker = linkifier.autolinker;
        htmlLinkLevel = htmlLinkLevel - 1;
        // Replace link nodes
        autolinker.linkify(state.tokens[0].content);
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```javascript
Autolinker.prototype = {
    constructor : Autolinker,
    function( cfg ) {
        Autolinker.Util.assign( this, cfg );  // assign the properties of `cfg` onto the Autolinker instance.
    },
    link : function( input, { replaceFn : function( autolinker, match ) {
        console.log( 'href = ', match.getAnchorHref() );
        return '<a href="' + match.getAnchorHref() + '" ' + match.getUrl().indexOf( 'mysite.com' ) === -1 ) {
            var tag = autolinker.getTagBuilder().build( match );  // returns an `Autolinker.HtmlTag` instance, which provides mutator methods for easy changes
            return '<a href="' + match.getAnchorHref() + '" ' + match.getUrl().indexOf( 'mysite.com' ) === -1 ) {
                var tag = autolinker.getTagBuilder().build( match );  // returns an `Autolinker.HtmlTag` instance, which provides mutator methods for easy changes
            }
```

This is a sample of the text content extracted from the image. Please note that the text is not fully accurate due to the limitations of the OCR process. The provided code is a snippet from a larger context, likely related to link handling or text processing, which is not fully visible in the image.
A function to individually process each URL/Email/Twitter match found in the input string. This function is called with the following parameters:

- `replaceFn.autolinker`: The Autolinker instance, which may be used to retrieve child objects from (such as the instance's `[@link #getTagBuilder tag builder]`).
- `replaceFn.match`: The Match instance which can be used to retrieve information about the match.

- `replaceFn`: The function to individually process each URL/Email/Twitter match found in the input string. This function is called with the following parameters:
  - `replaceFn.autolinker`: The Autolinker instance, which may be used to retrieve child objects from (such as the instance's `[@link #getTagBuilder tag builder]`).
  - `replaceFn.match`: The Match instance which can be used to retrieve information about the match.

- `tagBuilder`: The AnchorTagBuilder instance used to build the URL/email/Twitter replacement anchor tags. This is lazily instantiated in the `[@link #getTagBuilder]` method.

- `matchParser`: The MatchParser instance used to find URL/email/Twitter matches in the text nodes of an input string passed to the `link` function. This is lazily instantiated in the `[@link #getMatchParser]` method.

- `htmlParser`: The HtmlParser instance used to skip over HTML tags, while finding text nodes to process. This is lazily instantiated in the `[@link #getHtmlParser]` method.

- `textOrHtml`: The HTML or text to link URLs, email addresses, and Twitter handles within. Any original HTML elements will be left as-is, as well as the text that is already wrapped in anchor (`<a>`) tags.

- `resultHtml`: The HTML, with URLs/emails/Twitter handles automatically linked. This method finds the text around any HTML elements in the input `textOrHtml`, which will be the text that is processed. Any original HTML elements will be left as-is, as well as the text that is already wrapped in anchor (`<a>`) tags.

- `anchorTagStackCount`: This method handles the text nodes in the input `textOrHtml` that lie between HTML tags, performing the anchor tag replacements for matched URLs/emails/Twitter handles.

- `matchType`: The Match object that represents the match.

- `matchStr`: The string that lies in between HTML tags, performing the anchor tag replacements for matched URLs/emails/Twitter handles.

- `tagBuilder`: The AnchorTagBuilder instance used to build the URL/email/Twitter replacement anchor tags. This is lazily instantiated in the `[@link #getTagBuilder]` method.

- `matchParser`: The MatchParser instance used to find URL/email/Twitter matches in the text nodes of an input string passed to the `link` function. This is lazily instantiated in the `[@link #getMatchParser]` method.

- `htmlParser`: The HtmlParser instance used to skip over HTML tags, while finding text nodes to process. This is lazily instantiated in the `[@link #getHtmlParser]` method.

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- `matchStr`: The string that lies in between HTML tags, performing the anchor tag replacements for matched URLs/emails/Twitter handles.
the match is not to be replaced.

```
createMatchReturnVal : function( match ) {
    // Handle a custom
    'replaceFn' being provided
    return replaceFnResult;  // Autolinker instance is the context, and the first arg
    // returns a string, use that
    if( replaceFnResult === 'string' )
        return replaceFnResult;
    else if( replaceFnResult === false )
        return match.getMatchedText();
    else if( replaceFnResult instanceof Autolinker.HtmlTag )
        return replaceFnResult.toString();
    else if( replaceFnResult )
        return function( htmlParser ) {
            htmlParser = this.htmlParser;
            return htmlParser;  // new Autolinker instance
        };
    else {
        return Autolinker.link( textOrHtml, { newWindow: false } );
    }
}
```

```
mutator methods (which may be used in combination with instantiation config properties):

```javascript
var tag = new Autolinker.HtmlTag();

// Get

var tag = Autolinker.HtmlTag();

// Set

tag.setTagName( 'a' );

tag.setAttr( 'href', 'http://google.com' );

tag.addClass( 'external-link' );
tag.setInnerHtml( 'Google' );

// Get

var tag = Autolinker.HtmlTag();

// Get

tag.getTagName();
tag.getAttr( 'href' );
tag.hasClass( 'external-link' );

tag.toString();

// Example use within a Autolinker.replaceFn

var html = Autolinker.link( 'Test google.com', {

  replaceFn : function( autolinker, match ) {
    return match.getAnchorText();
  }
} );

// generated html:

Test <a href="http://google.com">google.com</a>

// Example use with a new tag for the replacement

var html = Autolinker.link( 'Test google.com', {

  replaceFn : function( autolinker, match ) {
    var tag = new Autolinker.HtmlTag( {
      tagName : 'button',
      attrs   : { 'title': 'Load URL: ' + match.getAnchorHref() },
      innerHtml : 'Load URL: ' + match.getAnchorText()
    } );
    return tag;
  }
} );

// generated html:

Test <button title="Load URL: http://google.com">Load URL: google.com</button>

```

### Autolinker.HtmlTag

**@constructor**

```javascript
constructor : function( cfg ) {
  Autolinker.Util.assign( this, cfg );

  this.innerHtml = this.innerHtml || this.innerHTML;  // accept either the camelCased form or the fully capitalized acronym
}
```

**@cfg {String} tagName**

The tag name. Ex: 'a', 'button', etc.
Not required at instantiation time, but should be set using `setTagName` before `toString` is executed.

**@cfg {Object.<String, String>} attrs**

An key/value Object (map) of attributes to create the tag with. The keys are the attribute names, and the values are the attribute values.

**@cfg {String} innerHtml**

The inner HTML for the tag.

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**@cfg {Object.<String, String>} attrs**

An key/value Object (map) of attributes to create the tag with. The keys are the attribute names, and the values are the attribute values.

**@cfg {String} innerHtml**

The inner HTML for the tag.
current CSS classes on the HtmlTag.

```javascript
function( cssClass ) {  // chains method calls
    return this.getClass();
}

/**
 * Convenience method to add one or more CSS classes to the HtmlTag.
 * @param {String} cssClass One or more space-separated CSS classes to add.
 * @return {Autolinker.HtmlTag} This HtmlTag instance.
 */
addClass = function( cssClass ) {
    return this.setAttr( 'class', cssClass );
}

/**
 * Convenience method to remove one or more CSS classes from the HtmlTag.
 * @param {String} cssClass One or more space-separated CSS classes to remove.
 * @return {Autolinker.HtmlTag} This HtmlTag instance.
 */
removeClass = function( cssClass ) {
    return this.getClass();
}
```

 /* to support IE8 and below */

classes = ( !classAttr ) ? [] : classAttr.split( whitespaceRegex );
```

var html = Autolinker.link( "Test google.com", {
    replaceFn : function( autolinker, instance ) {
        return autolinker.getTagBuilder().build( instance );
    }
} );
```

for( var prop in attrs ) {
    if( attrs.hasOwnProperty( prop ) ) {
        attrsArr.push( prop + '="' + attrs[ prop ] + '"' );
    }
}
```

var addClass = function( cssClass ) {
    return this.setAttr( 'class', cssClass );
}

/**
 * Convenience method to remove one or more CSS classes from the HtmlTag.
 * @param {String} cssClass One or more space-separated CSS classes to remove.
 * @return {Autolinker.HtmlTag} This HtmlTag instance.
 */
removeClass = function( cssClass ) {
    return this.getClass();
}
```
/**
 * @constructor
 * @param {Object} [cfg] The configuration options for the AnchorTagBuilder instance, specified in an Object (map).
 */
constructor : function( cfg ) {
	Autolinker.Util.assign( this, cfg );
},

/**
 * Generates the actual anchor (<a>) tag to use in place of the matched URL/email/Twitter text, via its 'match' object.
 * @param {Autolinker.match.Match} match The Match instance to generate an anchor tag from.
 * @return {Autolinker.HtmlTag} The HtmlTag instance for the anchor tag.
 */
build : function( match ) {
	var tag =
Autolinker.HtmlTag( {
		tagName   : 'a',
		attrs     : this.createAttrs( match.getType(), match.getAnchorHref() ),
		innerHtml : this.processAnchorText( match.getAnchorText() )
	}
); return tag;
},

/**
 * Creates the Object (map) of the HTML attributes for the anchor (<a>) tag being generated.
 * @param {"url"/"email"/"twitter"} matchType The type of match that an anchor tag is being generated for.
 * @return {Object} A key/value Object (map) of the anchor tag's attributes.
 */
createAttrs : function( matchType, anchorHref ) {
	var attrs = {
		'href' : anchorHref  // we'll always have the 'href'
	};
	var cssClass = this.createCssClass( matchType );
	if( cssClass ) {
		attrs[ 'class' ] = cssClass;
	}
	if( this.newWindow ) {
		attrs[ 'target' ] = "_blank";
	}
	return attrs;
},

/**
 * Creates the CSS class that will be used for a given anchor tag, based on the 'matchType' and the @link #className
 * config.
 * @param {String} href The href for the anchor tag.
 */
createCssClass : function( matchType ) {
	var className = this.className;
	if( !className )
		return "";
	else
		return className + " " + className + "-" + matchType;  // ex: "myLink myLink-url", "myLink myLink-email", or "myLink myLink-twitter"
},

/**
 * Processes the anchorText by truncating the text according to the @link #truncate config.
 * @param {String} anchorText The anchor tag's text (i.e. what will be displayed).
 * @return {String} The truncated anchor text.
 */
processAnchorText : function( anchorText ) {
	anchorText = this.doTruncate( anchorText );
	return anchorText;
},

/**
 * Performs the truncation of the anchorText, if the anchorText is longer than the @link #truncate option.
 * Truncates the text to 2 characters fewer than the @link #truncate option, and adds ".." to the end.
 * @param {String} text The anchor tag's text (i.e. what will be displayed).
 * @return {String} The truncated anchor text.
 */
doTruncate : function( anchorText ) {
	return Autolinker.Util.ellipsis( anchorText, this.truncate || Number.POSITIVE_INFINITY );
} );

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\"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd\">) \n\t\t\t'(?:',\n\t\t\t\t'<(!DOCTYPE)', // *** Capturing
Group 1 - If it's a doctype tag\n\t\t\t\t\t\n\t\t\t\t\t// Zero or more attributes following the tag
name\n\t\t\t\t\t'(?:',\n\t\t\t\t\t\t'\\\\s+', // one or more whitespace chars before an attribute\n\t\t\t\t\t\t\n\t\t\t\t\t\t//
Either:\n\t\t\t\t\t\t// A. attr=\"value\", or \n\t\t\t\t\t\t// B. \"value\" alone (To cover example doctype tag: <!DOCTYPE
html PUBLIC \"-//W3C//DTD XHTML 1.0 Strict//EN\" \"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd\">)
\n\t\t\t\t\t\t'(?:', nameEqualsValueRegex, '|', attrValueRegex.source +
')',\n\t\t\t\t\t')*',\n\t\t\t\t'>',\n\t\t\t')',\n\t\t\t\n\t\t\t'|',\n\t\t\t\n\t\t\t// All other HTML tags (i.e. tags that are not
<!DOCTYPE>)\n\t\t\t'(?:',\n\t\t\t\t'<(/)?', // Beginning of a tag. Either '<' for a start tag, or '</' for an end tag. \n\t\t\t\t
// *** Capturing Group 2: The slash or an empty string. Slash ('/') for end tag, empty string for start or selfclosing tag.\n\t\t\t\n\t\t\t\t\t// *** Capturing Group 3 - The tag name\n\t\t\t\t\t'(' + tagNameRegex.source +
')',\n\t\t\t\t\t\n\t\t\t\t\t// Zero or more attributes following the tag name\n\t\t\t\t\t'(?:',\n\t\t\t\t\t\t'\\\\s+',
// one
or more whitespace chars before an attribute\n\t\t\t\t\t\tnameEqualsValueRegex, // attr=\"value\" (with optional
=\"value\" part)\n\t\t\t\t\t')*',\n\t\t\t\t\t\n\t\t\t\t\t'\\\\s*/?', // any trailing spaces and optional '/' before the closing
'>'\n\t\t\t\t'>',\n\t\t\t')'\n\t\t].join( \"\" ), 'gi' );\n\t} )(),\n\t\n\t/**\n\t * @private\n\t * @property {RegExp}
htmlCharacterEntitiesRegex\n\t *\n\t * The regular expression that matches common HTML character entities.\n\t *
\n\t * Ignoring &amp; as it could be part of a query string -- handling it separately.\n\t
*/\n\thtmlCharacterEntitiesRegex:
/(&nbsp;|&#160;|&lt;|&#60;|&gt;|&#62;|&quot;|&#34;|&#39;)/gi,\n\t\n\t\n\t/**\n\t * Parses an HTML string and
returns a simple array of {@link Autolinker.htmlParser.HtmlNode HtmlNodes} to represent\n\t * the HTML
structure of the input string. \n\t * \n\t * @param {String} html The HTML to parse.\n\t * @return
{Autolinker.htmlParser.HtmlNode[]}\n\t */\n\tparse : function( html ) {\n\t\tvar htmlRegex = this.htmlRegex,\n\t\t
currentResult,\n\t\t lastIndex = 0,\n\t\t textAndEntityNodes,\n\t\t nodes = []; // will be the result of the
method\n\t\t\n\t\twhile( ( currentResult = htmlRegex.exec( html ) ) !== null ) {\n\t\t\tvar tagText = currentResult[ 0
],\n\t\t\t tagName = currentResult[ 1 ] || currentResult[ 3 ], // The <!DOCTYPE> tag (ex: \"!DOCTYPE\"), or
another tag (ex: \"a\" or \"img\") \n\t\t\t isClosingTag = !!currentResult[ 2 ],\n\t\t\t inBetweenTagsText =
html.substring( lastIndex, currentResult.index );\n\t\t\t\n\t\t\t// Push TextNodes and EntityNodes for any text found
between tags\n\t\t\tif( inBetweenTagsText ) {\n\t\t\t\ttextAndEntityNodes = this.parseTextAndEntityNodes(
inBetweenTagsText );\n\t\t\t\tnodes.push.apply( nodes, textAndEntityNodes );\n\t\t\t}\n\t\t\t\n\t\t\t// Push the
ElementNode\n\t\t\tnodes.push( this.createElementNode( tagText, tagName, isClosingTag ) );\n\t\t\t\n\t\t\tlastIndex
= currentResult.index + tagText.length;\n\t\t}\n\t\t\n\t\t// Process any remaining text after the last HTML element.
Will process all of the text if there were no HTML elements.\n\t\tif( lastIndex < html.length ) {\n\t\t\tvar text =
html.substring( lastIndex );\n\t\t\t\n\t\t\t// Push TextNodes and EntityNodes for any text found between tags\n\t\t\tif(
text ) {\n\t\t\t\ttextAndEntityNodes = this.parseTextAndEntityNodes( text );\n\t\t\t\tnodes.push.apply( nodes,
textAndEntityNodes );\n\t\t\t}\n\t\t}\n\t\t\n\t\treturn nodes;\n\t},\n\t\n\t\n\t/**\n\t * Parses text and HTML entity
nodes from a given string. The input string should not have any HTML tags (elements)\n\t * within it.\n\t * \n\t *
@private\n\t * @param {String} text The text to parse.\n\t * @return {Autolinker.htmlParser.HtmlNode[]} An array
of HtmlNodes to represent the \n\t * {@link Autolinker.htmlParser.TextNode TextNodes} and {@link
Autolinker.htmlParser.EntityNode EntityNodes} found.\n\t */\n\tparseTextAndEntityNodes : function( text )
{\n\t\tvar nodes = [],\n\t\t textAndEntityTokens = Autolinker.Util.splitAndCapture( text,
this.htmlCharacterEntitiesRegex ); // split at HTML entities, but include the HTML entities in the results
array\n\t\t\n\t\t// Every even numbered token is a TextNode, and every odd numbered token is an EntityNode\n\t\t//
For example: an input `text` of \"Test &quot;this&quot; today\" would turn into the \n\t\t// `textAndEntityTokens`:
[ 'Test ', '&quot;', 'this', '&quot;', ' today' ]\n\t\tfor( var i = 0, len = textAndEntityTokens.length; i < len; i += 2 )
{\n\t\t\tvar textToken = textAndEntityTokens[ i ],\n\t\t\t entityToken = textAndEntityTokens[ i + 1
];\n\t\t\t\n\t\t\tif( textToken ) nodes.push( this.createTextNode( textToken ) );\n\t\t\tif( entityToken ) nodes.push(
this.createEntityNode( entityToken ) );\n\t\t}\n\t\treturn nodes;\n\t},\n\t\n\t\n\t/**\n\t * Factory method to create an
{@link Autolinker.htmlParser.ElementNode ElementNode}.\n\t * \n\t * @private\n\t * @param {String} tagText
The full text of the tag (element) that was matched, including its attributes.\n\t * @param {String} tagName The

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name of the tag. Ex: An &lt;img&gt; tag would be passed to this method as \"img\".

```javascript
* @param {Boolean} isClosingTag 'true' if it's a closing tag, false otherwise.
* @return {Autolinker.htmlParser.ElementNode} Returns a new Autolinker.htmlParser.ElementNode.
```

```javascript
Autolinker.htmlParser.createElementNode = function( tagText, tagName, isClosingTag ) {
  return new Autolinker.htmlParser.ElementNode( {
    text    : tagText,
    tagName : tagName.toLowerCase(),
    closing : isClosingTag
  } );
};
```

An HTML node is one of the following:

- An ElementNode
- ATextNode
- An EntityNode

An ElementNode represents HTML tags.

```javascript
Autolinker.htmlParser.ElementNode = Autolinker.Util.extend( Object, {
  **getType** : function() {
    return 'element';
  },
  **getTagName** : function() {
    return this.tagName;
  },
  **isClosing** : function() {
    return this.closing;
  }
});
```

An EntityNode represents HTML entities.

```javascript
  **getType** : function() {
    return 'entity';
  }
});
```

A TextNode represents text outside or within HTML tags.

```javascript
  **getType** : function() {
    return 'text';
  }
});
```

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Autolinker.htmlParser.HtmlNode

* Represents a text node that has been parsed by the \{ @link
Autolinker.htmlParser.HtmlParser \} for more details.

Autolinker.Util.extend( Autolinker.htmlParser.HtmlNode,
\{\n\n\} * Returns a string name for the type of node that this class represents.

\} * @return

(String) *\n
Autolinker *\n
\} * @private\n
\class Autolinker.matchParser.MatchParser

\extends Object *\n
* Used by Autolinker to parse \{ @link
urls URLs \}, \{ @link #emails email addresses \}, and \{ @link #twitter Twitter handles \}, *\n
* given an input string of text. *\n
* The MatchParser is fed a non-HTML string in order to search out URLs, email addresses and Twitter handles.

Autolinker

\* first uses the \{ @link HtmlParser \} to \"walk around\" HTML tags, and then the text around the HTML tags is passed into *\n
* the MatchParser in order to find the actual matches.

\*

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} * @cfg \{ Boolean \}

urls *\n
* true if miscellaneous URLs should be automatically linked, 'false' if they should not be.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} * @cfg \{ Boolean \}

email *\n
* true if email addresses should be automatically linked, 'false' if they should not be.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} * @cfg \{ Boolean \}

twitter

*\n
* true if Twitter handles ('@example') should be automatically linked, 'false' if they should not be.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} * @cfg \{ Boolean \}

stripPrefix

*\n
* true if 'http://' or 'https://' and/or the 'www.' should be stripped from the beginning of URL links. *\n
* in \{ @link Autolinker.match.Url URL matches \}, 'false' otherwise.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} * @cfg \{ Boolean \}

matchers

*\n
* The regular expression that matches URLs, email addresses, and Twitter handles.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} *\n
* A protocol-relative ('//') match for the case of a 'www.' prefixed URL. Will be an empty string if it is not a protocol-relative match. See #6 for more info.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} *\n
* A protocol-relative ('//') match for the case of a known TLD prefixed URL. Will be an empty string if it is not a protocol-relative match. See #6 for more info.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} *\n
* A protocol-relative ('//') match for the case of a known TLD prefixed URL. Will be an empty string if it is not a protocol-relative match. See #6 for more info.

* Autolinker.matchParser.MatchParser = Autolinker.Util.extend( Object,
\{\n\n\} *\n
* A protocol-relative ('//') match for the case of a known TLD prefixed URL. Will be an empty string if it is not a protocol-relative match. See #6 for more info.
The regular expression used to retrieve the character before a protocol-relative URL match. The character before the match is stripped from the URL.

The regular expression used to retrieve the character before a protocol-relative URL match. This is used in conjunction with the \[@link matcherRegex\], which needs to grab the character before a protocol-relative URL

'\*' due to the lack of a negative look-behind in JavaScript regular expressions. The character before the match is stripped from the URL.

The regular expression used to retrieve the character before a protocol-relative URL match. This is used in conjunction with the \[@link matcherRegex\], which needs to grab the character before a protocol-relative URL
Autolinker.match.Match} object, and should return the text that should\n\t * make the replacement.\n\t * @param
{Object} [contextObj=window] The context object (\"scope\") to run the `replaceFn` in.\n\t * @return {String}\n\t
*/\n\treplace : function( text, replaceFn, contextObj ) {\n\t\tvar me = this; // for closure\n\t\t\n\t\treturn text.replace(
this.matcherRegex, function( matchStr, $1, $2, $3, $4, $5, $6, $7, $8 ) {\n\t\t\tvar matchDescObj =
me.processCandidateMatch( matchStr, $1, $2, $3, $4, $5, $6, $7, $8 ); // \"match description\" object\n\t\t\t\n\t\t\t//
Return out with no changes for match types that are disabled (url, email, twitter), or for matches that are \n\t\t\t//
invalid (false positives from the matcherRegex, which can't use look-behinds since they are unavailable in
JS).\n\t\t\tif( !matchDescObj ) {\n\t\t\t\treturn matchStr;\n\t\t\t\t\n\t\t\t} else {\n\t\t\t\t// Generate replacement text for
the match from the `replaceFn`\n\t\t\t\tvar replaceStr = replaceFn.call( contextObj, matchDescObj.match
);\n\t\t\t\treturn matchDescObj.prefixStr + replaceStr + matchDescObj.suffixStr;\n\t\t\t}\n\t\t}
);\n\t},\n\t\n\t\n\t/**\n\t * Processes a candidate match from the {@link #matcherRegex}. \n\t * \n\t * Not all
matches found by the regex are actual URL/email/Twitter matches, as determined by the {@link #matchValidator}.
In\n\t * this case, the method returns `null`. Otherwise, a valid Object with `prefixStr`, `match`, and `suffixStr` is
returned.\n\t * \n\t * @private\n\t * @param {String} matchStr The full match that was found by the {@link
#matcherRegex}.\n\t * @param {String} twitterMatch The matched text of a Twitter handle, if the match is a
Twitter match.\n\t * @param {String} twitterHandlePrefixWhitespaceChar The whitespace char before the @ sign
in a Twitter handle match. This \n\t * is needed because of no lookbehinds in JS regexes, and is need to re-include
the character for the anchor tag replacement.\n\t * @param {String} twitterHandle The actual Twitter user (i.e the
word after the @ sign in a Twitter match).\n\t * @param {String} emailAddressMatch The matched email address
for an email address match.\n\t * @param {String} urlMatch The matched URL string for a URL match.\n\t *
@param {String} protocolUrlMatch The match URL string for a protocol match. Ex: 'http://yahoo.com'. This is used
to match\n\t * something like 'http://localhost', where we won't double check that the domain name has at least one
'.' in it.\n\t * @param {String} wwwProtocolRelativeMatch The '//' for a protocol-relative match from a 'www' url,
with the character that \n\t * comes before the '//'.\n\t * @param {String} tldProtocolRelativeMatch The '//' for a
protocol-relative match from a TLD (top level domain) match, with \n\t * the character that comes before the
'//'.\n\t * \n\t * @return {Object} A \"match description object\". This will be `null` if the match was invalid, or if a
match type is disabled.\n\t * Otherwise, this will be an Object (map) with the following properties:\n\t * @return
{String} return.prefixStr The char(s) that should be prepended to the replacement string. These are char(s) that\n\t *
were needed to be included from the regex match that were ignored by processing code, and should be re-inserted
into \n\t * the replacement stream.\n\t * @return {String} return.suffixStr The char(s) that should be appended to
the replacement string. These are char(s) that\n\t * were needed to be included from the regex match that were
ignored by processing code, and should be re-inserted into \n\t * the replacement stream.\n\t * @return
{Autolinker.match.Match} return.match The Match object that represents the match that was found.\n\t
*/\n\tprocessCandidateMatch : function( \n\t\tmatchStr, twitterMatch, twitterHandlePrefixWhitespaceChar,
twitterHandle, \n\t\temailAddressMatch, urlMatch, protocolUrlMatch, wwwProtocolRelativeMatch,
tldProtocolRelativeMatch\n\t) {\n\t\t// Note: The `matchStr` variable wil be fixed up to remove characters that are no
longer needed (which will \n\t\t// be added to `prefixStr` and `suffixStr`).\n\t\t\n\t\tvar protocolRelativeMatch =
wwwProtocolRelativeMatch || tldProtocolRelativeMatch,\n\t\t match, // Will be an Autolinker.match.Match
object\n\t\t \n\t\t prefixStr = \"\",
// A string to use to prefix the anchor tag that is created. This is needed for
the Twitter handle match\n\t\t suffixStr = \"\";
// A string to suffix the anchor tag that is created. This is used if
there is a trailing parenthesis that should not be auto-linked.\n\t\t \n\t\t\n\t\t// Return out with `null` for match types
that are disabled (url, email, twitter), or for matches that are \n\t\t// invalid (false positives from the matcherRegex,
which can't use look-behinds since they are unavailable in JS).\n\t\tif(\n\t\t\t( twitterMatch && !this.twitter ) || (
emailAddressMatch && !this.email ) || ( urlMatch && !this.urls ) ||\n\t\t\t!this.matchValidator.isValidMatch(
urlMatch, protocolUrlMatch, protocolRelativeMatch ) \n\t\t) {\n\t\t\treturn null;\n\t\t}\n\t\t\n\t\t// Handle a closing
parenthesis at the end of the match, and exclude it if there is not a matching open parenthesis\n\t\t// in the match
itself. \n\t\tif( this.matchHasUnbalancedClosingParen( matchStr ) ) {\n\t\t\tmatchStr = matchStr.substr( 0,
matchStr.length - 1 ); // remove the trailing \")\"\n\t\t\tsuffixStr = \")\"; // this will be added after the generated <a>

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tag
emailAddressMatch) {match = new Autolinker.match.Email( {matchedText: matchStr, email: emailAddressMatch} );}

if( emailAddressMatch ) {
    match = new Autolinker.match.Email({matchedText: matchStr, email: emailAddressMatch});
}

if( twitterMatch ) {
    // fix up the 'matchStr' if there was a preceding whitespace char, which was needed to determine the match
    // itself (since there are no look-behinds in JS regexes)
    twitterHandlePrefixWhitespaceChar = ( twitterHandlePrefixWhitespaceChar.substring(0, twitterHandlePrefixWhitespaceChar.length - 1) || '' );
    match = new Autolinker.match.Twitter({matchedText: matchStr, twitterHandle: twitterHandle});
}

if( protocolRelativeMatch ) {
    var charBeforeMatch = ( protocolRelativeMatch.match(/[^\w\d\s]+/g)[0] || '' );
}

return {
    prefixStr: prefixStr,
suffixStr: suffixStr,
    match: match
};

/**
 * Determines if a match found has an unmatched closing parenthesis. If so, this parenthesis will be removed from
 * the match itself, and appended after the generated anchor tag in `{@link #processTextNode}`.
 * 
 * A match may have an extra closing parenthesis at the end of the match because the regular expression must include parentheses
 * for URLs such as `\"wikipedia.com/something_(disambiguation)\"`, which should be auto-linked.  
 * However, an extra parenthesis will be included when the URL itself is wrapped in parenthesis, such as in the case of `\"wikipedia.com/something_(disambiguation)\"`.  
 * In this case, the last closing parenthesis should *not* be part of the URL itself, and this method will return `true`.  
 * `\"wikipedia.com\"` should be auto-linked, whereas `\"wikipedia.com/something\"` should not.  
 * 
 * @private
 * @param {String} matchStr The full match string from the `{@link #matcherRegex}`.
 * @return {Boolean} `true` if there is an unbalanced closing parenthesis at the end of `matchStr`, `false` otherwise.
 */
matchHasUnbalancedClosingParen: function(matchStr) {
    var lastChar = matchStr.charAt(matchStr.length - 1);
    var openParensMatch = matchStr.match(/\(/g);
    var closeParensMatch = matchStr.match(/\)/g);
    var numOpenParens = (openParensMatch && openParensMatch.length) || 0;
    var numCloseParens = (closeParensMatch && closeParensMatch.length) || 0;
    var openParenMatch = matchStr.match(/\/[\w\d\s]+/g);
    var closeParenMatch = matchStr.match(/\/[\w\d\s]+/g);
    if(numOpenParens < numCloseParens) {
        return true;
    }
    return false;
}

/**
 * @private
 * @class Autolinker.MatchValidator
 * @extends Object
 * 
 * Used by Autolinker to filter out false positives from the `{@link Autolinker#matcherRegex}`.
 * 
 * Due to the limitations of regular expressions (including the missing feature of look-behinds in JS regular expressions),
 * we cannot always determine the validity of a given match. This class applies a bit of additional logic to filter out any
 * false positives that have been matched by the `{@link Autolinker#matcherRegex}`.  
 * 
 * @property {RegExp} invalidProtocolRelMatchRegex
 * The regular expression used to check a potential protocol-relative URL match, coming from the `{@link Autolinker#matcherRegex}`.  
 * A protocol-relative URL is, for example, `\{}//\{}\{}\}`.  
 * This regular expression checks to see if there is a word character before the `\`` match in order to determine if we should actually autolink a protocol-relative URL.  
 * This is needed because there is no negative look-behind in `{@link Autolinker#matcherRegex}`.  
 * For instance, we want to autolink something like `\"Go to: //google.com\"`, but we don't want to autolink something like `\"abc/google.com\"`.  
 * 
 * @property {RegExp} hasFullProtocolRegex
 * Regex to test for a full protocol, with the two trailing slashes. Ex: `http://\{}\`;  
 * 
 * @property {RegExp} uriSchemeRegex
 * Regex to find the URI scheme, such as `\"mailto:\"`.  
 * 
 */
Regex to determine if at least one word char exists after the protocol (i.e. after the `':`):

```javascript
hasWordCharAfterProtocolRegex : /:\[^\s]*?[A-Za-z]/,
```

Determine if a given match found by `{@link Autolinker#processTextNode}` is valid. Will return `false` for:`@property {RegExp} hasWordCharAfterProtocolRegex`.

- `@private` determines if the match is valid and should be processed. `@param {String} protocolUrlMatch`.

```javascript
isValidMatch : function( urlMatch, protocolUrlMatch, protocolRelativeMatch ) {
    if(
        ( protocolUrlMatch && !this.isValidUriScheme( protocolUrlMatch ) ) ||
        this.urlMatchDoesNotHaveProtocolOrDot( urlMatch, protocolUrlMatch ) ||       // At
        !hasWordCharAfterProtocolRegex.test( protocolRelativeMatch )
    ) {
        return
    }
    return true;
},
```

- `@private` determines if the match is valid and should not be processed.

```javascript
isValidUriScheme : function( uriSchemeMatch ) {
    var uriScheme = uriSchemeMatch.match( this.uriSchemeRegex )[ 0 ].toLowerCase();
    return ( uriScheme !== 'javascript:' && uriScheme !== 'vbscript:' );
},
```

- `@private` determines if a URL match does not have either:

- a) a full protocol (i.e. `http://`), or
- b) at least one dot (`.`) in the domain name (for a non-full-protocol match).

```javascript
urlMatchDoesNotHaveProtocolOrDot : function( urlMatch, protocolUrlMatch ) {
    return ( !!urlMatch && ( !protocolUrlMatch || !this.hasFullProtocolRegex.test( protocolUrlMatch ) ) && urlMatch.indexOf( '.' ) === -1 );
},
```

- `@private` determines if a URL match does not have at least one word character after the protocol (i.e. in the domain name). `@param {String} protocolUrlMatch`. `@param {String} protocolRelativeMatch`.

```javascript
urlMatchDoesNotHaveAtLeastOneWordChar : function( urlMatch, protocolUrlMatch ) {
    if( urlMatch &&
        !hasWordCharAfterProtocolRegex.test( protocolRelativeMatch )
    ) {
        return
    }
    return true;
}
```
protocolUrlMatch ) {
			return this.hasWordCharAfterProtocolRegex.test( urlMatch );
		} else {
			return !this.hasWordCharAfterProtocolRegex.test( urlMatch );
		} else {
			return false;
		}
	},

	/**
	 * Determines if a protocol-relative match is an invalid one. This method returns
	 * 'true' if there is a 'protocolRelativeMatch' inurl * and that match contains a word character before the '//'
	 * (i.e. it must contain whitespace or nothing before the '// inurl * order to be considered valid).inurl * inurl * @private
	 * @param
	 * [String] protocolRelativeMatch The protocol-relative string for a URL match (i.e. '//').possibly with a preceding
	 * character (ex, a space, such as: '//', or a letter, such as: 'a//').inurl * inurl * @param
	 */
	/*global Autolinker */
	/**
	 * @abstract
	 * @class Autolinker.match.Match
	 * 
	 * Represents a match found in an input string which should be
	 * Autolinked. A Match object is what is provided in a inurl * [ @link Autolinker#replaceFn replaceFn ]
	 * and may be used to query for details about the match.inurl * inurl * For example:inurl * var input = '...:\n	 * // string with URLs,inurl * Email Addresses, and Twitter Handles
	n * inurl * var linkedText = Autolinker.link( input, { inurl * replaceFn : function( autolinker, match ) {
		
				console.log( 'href = ', match.getAnchorHref() );
				console.log( 'text = ', match.getAnchorText() );
				switch( match.getType() ) {
				case 'url' :
				console.log( 'url: ', match.getUrl() );
				case 'email' :
				console.log( 'email: ', match.getEmail() );
				case 'twitter' :
				console.log( 'twitter: ', match.getTwitterHandle() );
		}
		}
	} );
	
	See the { @link Autolinker } class for more details on using the
	/*global Autolinker */
	/**
	 * @class Autolinker.match.Email
	 * @extends Autolinker.match.Match
	 * 
	 * Represents a Email match found in an input string which should be
	 * Autolinked.
	 * 
	 * See this class's superclass ({@link Autolinker.match.Match}) for more details.
	 */
	/*global Autolinker */
	/**
	 * @class Autolinker.match.Twitter
	 * @extends Autolinker.match.Match
	 * 
	 * Represents a Twitter match found in an input string which should be
	 * Autolinked.
	 * 
	 * See this class's superclass ({@link Autolinker.match.Match}) for more details.
	 */
match.__n__ __n__ return __n__getAnchorHref : function() { __n__return https://twitter.com/ + this.twitterHandle; __n__ * Returns the anchor text that should be generated for the match. __n__ * __n__getAnchorText : function() { __n__return '@' + this.twitterHandle; __n__ * Represents a URL match found in an input string which should be Autolinked. __n__ * See this class's superclass (Autolinker.match.Match) for more details. __n__ *

```javascript
/**
 * Returns the anchor href that should be generated for the match.
 * @return {String}
 */
getAnchorHref : function() {
	return 'https://twitter.com/' + this.twitterHandle;
},

```javascript
/**
 * Returns the anchor text that should be generated for the match.
 * @return {String}
 */
getAnchorText : function() {
	return '@' + this.twitterHandle;
}
```
Autolinker;\n\n}));\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/autolinker/dist/Autolinker.js\n// module id = 1028\n// module chunks = 0","'use strict';\n\n/**\n *
Local dependencies\n */\n\nvar Ruler
= require('./ruler');\nvar StateBlock =
require('./rules_block/state_block');\n\n/**\n * Parser rules\n */\n\nvar _rules = [\n [ 'code',
require('./rules_block/code') ],\n [ 'fences', require('./rules_block/fences'), [ 'paragraph', 'blockquote', 'list' ] ],\n
[ 'blockquote', require('./rules_block/blockquote'), [ 'paragraph', 'blockquote', 'list' ] ],\n [ 'hr',
require('./rules_block/hr'),
[ 'paragraph', 'blockquote', 'list' ] ],\n [ 'list',
require('./rules_block/list'),
[
'paragraph', 'blockquote' ] ],\n [ 'footnote', require('./rules_block/footnote'), [ 'paragraph' ] ],\n [ 'heading',
require('./rules_block/heading'), [ 'paragraph', 'blockquote' ] ],\n [ 'lheading', require('./rules_block/lheading') ],\n
[ 'htmlblock', require('./rules_block/htmlblock'), [ 'paragraph', 'blockquote' ] ],\n [ 'table',
require('./rules_block/table'),
[ 'paragraph' ] ],\n [ 'deflist', require('./rules_block/deflist'), [ 'paragraph' ] ],\n [
'paragraph', require('./rules_block/paragraph') ]\n];\n\n/**\n * Block Parser class\n *\n * @api private\n
*/\n\nfunction ParserBlock() {\n this.ruler = new Ruler();\n for (var i = 0; i < _rules.length; i++) {\n
this.ruler.push(_rules[i][0], _rules[i][1], {\n
alt: (_rules[i][2] || []).slice()\n });\n }\n}\n\n/**\n * Generate
tokens for the given input range.\n *\n * @param {Object} `state` Has properties like `src`, `parser`, `options` etc\n
* @param {Number} `startLine`\n * @param {Number} `endLine`\n * @api private\n
*/\n\nParserBlock.prototype.tokenize = function (state, startLine, endLine) {\n var rules = this.ruler.getRules('');\n
var len = rules.length;\n var line = startLine;\n var hasEmptyLines = false;\n var ok, i;\n\n while (line < endLine)
{\n state.line = line = state.skipEmptyLines(line);\n if (line >= endLine) {\n
break;\n }\n\n // Termination
condition for nested calls.\n // Nested calls currently used for blockquotes & lists\n if (state.tShift[line] <
state.blkIndent) {\n
break;\n }\n\n // Try all possible rules.\n // On success, rule should:\n //\n // - update
`state.line`\n // - update `state.tokens`\n // - return true\n\n for (i = 0; i < len; i++) {\n
ok = rules[i](state,
line, endLine, false);\n
if (ok) {\n
break;\n
}\n }\n\n // set state.tight iff we had an empty line before
current tag\n // i.e. latest empty line should not count\n state.tight = !hasEmptyLines;\n\n // paragraph might
\"eat\" one newline after it in nested lists\n if (state.isEmpty(state.line - 1)) {\n
hasEmptyLines = true;\n }\n\n
line = state.line;\n\n if (line < endLine && state.isEmpty(line)) {\n
hasEmptyLines = true;\n
line++;\n\n
// two empty lines should stop the parser in list mode\n
if (line < endLine && state.parentType === 'list' &&
state.isEmpty(line)) { break; }\n
state.line = line;\n }\n }\n};\n\nvar TABS_SCAN_RE = /[\\n\\t]/g;\nvar
NEWLINES_RE = /\\r[\\n\\u0085]|[\\u2424\\u2028\\u0085]/g;\nvar SPACES_RE = /\\u00a0/g;\n\n/**\n *
Tokenize the given `str`.\n *\n * @param {String} `str` Source string\n * @param {Object} `options`\n * @param
{Object} `env`\n * @param {Array} `outTokens`\n * @api private\n */\n\nParserBlock.prototype.parse = function
(str, options, env, outTokens) {\n var state, lineStart = 0, lastTabPos = 0;\n if (!str) { return []; }\n\n // Normalize
spaces\n str = str.replace(SPACES_RE, ' ');\n\n // Normalize newlines\n str = str.replace(NEWLINES_RE,
'\\n');\n\n // Replace tabs with proper number of spaces (1..4)\n if (str.indexOf('\\t') >= 0) {\n str =
str.replace(TABS_SCAN_RE, function (match, offset) {\n
var result;\n
if (str.charCodeAt(offset) === 0x0A)
{\n
lineStart = offset + 1;\n
lastTabPos = 0;\n
return match;\n
}\n
result = ' '.slice((offset lineStart - lastTabPos) % 4);\n
lastTabPos = offset - lineStart + 1;\n
return result;\n });\n }\n\n state = new
StateBlock(str, this, options, env, outTokens);\n this.tokenize(state, state.line, state.lineMax);\n};\n\n/**\n * Expose
`ParserBlock`\n */\n\nmodule.exports = ParserBlock;\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/remarkable/lib/parser_block.js\n// module id = 1029\n// module chunks = 0","// Parser state
class\n\n'use strict';\n\n\nfunction StateBlock(src, parser, options, env, tokens) {\n var ch, s, start, pos, len, indent,
indent_found;\n\n this.src = src;\n\n // Shortcuts to simplify nested calls\n this.parser = parser;\n\n this.options =
options;\n\n this.env = env;\n\n //\n // Internal state vartiables\n //\n\n this.tokens = tokens;\n\n this.bMarks = [];
// line begin offsets for fast jumps\n this.eMarks = []; // line end offsets for fast jumps\n this.tShift = []; // indent
for each line\n\n // block parser variables\n this.blkIndent = 0; // required block content indent\n
//
(for example, if we are in list)\n this.line
= 0; // line index in src\n this.lineMax = 0; // lines count\n this.tight
= false; // loose/tight mode for lists\n this.parentType = 'root'; // if `list`, block parser stops on two newlines\n
this.ddIndent = -1; // indent of the current dd block (-1 if there isn't any)\n\n this.level = 0;\n\n // renderer\n

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if (state.tShift[nextLine] - state.blkIndent >= 4) {
    // closing fence should be indented less than 4 spaces
    the list:
    // - ```
    //  test
    break;
  }

  if (state.src.charCodeAt(pos) !== marker) { continue; }

  if (pos < max && state.tShift[nextLine] < state.blkIndent) {
    // non-empty line with negative indent should stop
    }

  pos = mem = state.bMarks[nextLine] + state.tShift[nextLine];
  max = state.eMarks[nextLine];

  if
    should be autoclosed by end of document.
    // also block seems to be autoclosed by end of parent
    break;

  nextLine = startLine;

  for (;;) {
    nextLine++;
      continue;
    }
    if (state.tShift[nextLine] - state.blkIndent >= 4) {
      nextLine++;
      last =

```
continue;
} 

pos = state.skipChars(pos, marker);

// closing code fence must be at least as long as the opening one
if (pos - mem - len) { continue; }

// make sure tail has spaces only
pos = state.skipSpaces(pos);

if (pos < max) { continue; }

haveEndMarker = true;

// found!
break;

// If a fence has heading spaces, they should be removed from its inner block
len = state.tShift[startLine];

state.line = nextLine + (haveEndMarker ? 1 : 0);

state.tokens.push({
  type: 'fence',
params: params,
  content: state.getLines(startLine + 1, nextLine, len, true),
  lines: [ startLine, state.line ],
level: state.level + 1 });

return true;

// WEBPACK FOOTER
// /node_modules/remarkable/lib/rules_block/fences.js

module.exports = function blockquote(state, startLine, nextLine, silent) {
  var nextLine, oldBMarks, oldIndent, oldParentType, lines, terminatorRules, i, l, terminate, pos = state.bMarks[startLine] + state.tShift[startLine], max = state.eMarks[startLine];

  if (pos > max) { return false; }

  // check the block quote marker
  if (state.src.charCodeAt(pos++) !== 0x3E /* > */) { return false; }

  if (state.level >= state.options.maxNesting) { return false; }

  // we know that it's going to be a valid blockquote,
  // so no point trying to find the end of it in silent mode
  if (silent) { return true; }

  // skip one optional space after '>
  if (state.src.charCodeAt(pos) === 0x20) { pos++; }

  oldIndent = state.blkIndent;

  state.blkIndent = 0;

  oldBMarks = [ state.bMarks[startLine] ];

  state.bMarks[startLine] = pos;

  // check if we have an empty blockquote
  pos = state.eMarks[nextLine];

  max = state.eMarks[startLine];

  if (pos > max) { return false; }

  // check the block quote marker
  if (state.src.charCodeAt(pos++) !== 0x3E /* > */) { return false; }

  pos = state.bMarks[startLine] + state.tShift[startLine];

  max = state.eMarks[startLine];

  if (pos > max) { return false; }

  // this line is inside the blockquote.
  // skip one optional space after '>
  if (state.src.charCodeAt(pos) === 0x20) { pos++; }

  oldBMarks = [ state.bMarks[startLine] ];

  state.bMarks[startLine] = pos - state.blkIndent;

  terminatorRules = state.parser.ruler.getRules('blockquote');

  // Search the end of the block
  // // Block ends with either: // 1. an empty line outside:
  //   ```
  //   > test
  //   ```
  //   > test
  // 2. an empty line inside:
  //   ```
  //   >
  //   ```
  //   > test
  //   ```
  //   >
  //   ```
  // 3. another tag
  //   ```
  //   >
  //   ```
  //   > test
  //   ```
  //   >
  //   ```
  // for (nextLine = startLine + 1; nextLine < endLine; nextLine++) {
  //   [ pos = state.bMarks[nextLine] + state.tShift[nextLine];
  //   max = state.eMarks[nextLine];
  //   if (pos > max) { return false; }
  //   // Case 1: line is not inside the blockquote,
  //   // and this line is empty:
  //   break;
  //   if (state.src.charCodeAt(pos++) !== 0x3E/* > */) { return false; }
  //   // Case 2: line is not inside the blockquote,
  //   // and the last line was empty:
  //   if (lastLineEmpty) { break; }
  //   state.line = nextLine + (haveEndMarker ? 1 : 0);
  //   state.tokens.push({
  //     type: 'fence',
  //     params: params,
  //     content: state.getLines(startLine + 1, nextLine, len, true),
  //     lines: [ startLine, state.line ],
  //     level: state.level + 1 });
  //   return true;
  // }
```
false; }\n if (ch === marker) { cnt++; }\n }\n\n if (cnt < 3) { return false; }\n\n if (silent) { return true; }\n\n
state.line = startLine + 1;\n state.tokens.push({\n type: 'hr',\n lines: [ startLine, state.line ],\n level: state.level\n
});\n\n return true;\n};\n\n\n\n//////////////////\n// WEBPACK FOOTER\n//
./node_modules/remarkable/lib/rules_block/hr.js\n// module id = 1034\n// module chunks = 0","// Lists\n\n'use
strict';\n\n\n// Search `[-+*][\\n ]`, returns next pos arter marker on success\n// or -1 on fail.\nfunction
skipBulletListMarker(state, startLine) {\n var marker, pos, max;\n\n pos = state.bMarks[startLine] +
state.tShift[startLine];\n max = state.eMarks[startLine];\n\n if (pos >= max) { return -1; }\n\n marker =
state.src.charCodeAt(pos++);\n // Check bullet\n if (marker !== 0x2A/* * */ &&\n
marker !== 0x2D/* - */
&&\n
marker !== 0x2B/* + */) {\n return -1;\n }\n\n if (pos < max && state.src.charCodeAt(pos) !== 0x20)
{\n // \" 1.test \" - is not a list item\n return -1;\n }\n\n return pos;\n}\n\n// Search `\\d+[.)][\\n ]`, returns next
pos arter marker on success\n// or -1 on fail.\nfunction skipOrderedListMarker(state, startLine) {\n var ch,\n
pos
= state.bMarks[startLine] + state.tShift[startLine],\n
max = state.eMarks[startLine];\n\n if (pos + 1 >= max) {
return -1; }\n\n ch = state.src.charCodeAt(pos++);\n\n if (ch < 0x30/* 0 */ || ch > 0x39/* 9 */) { return -1; }\n\n for
(;;) {\n // EOL -> fail\n if (pos >= max) { return -1; }\n\n ch = state.src.charCodeAt(pos++);\n\n if (ch >=
0x30/* 0 */ && ch <= 0x39/* 9 */) {\n
continue;\n }\n\n // found valid marker\n if (ch === 0x29/* ) */ || ch
=== 0x2e/* . */) {\n
break;\n }\n\n return -1;\n }\n\n\n if (pos < max && state.src.charCodeAt(pos) !==
0x20/* space */) {\n // \" 1.test \" - is not a list item\n return -1;\n }\n return pos;\n}\n\nfunction
markTightParagraphs(state, idx) {\n var i, l,\n
level = state.level + 2;\n\n for (i = idx + 2, l = state.tokens.length 2; i < l; i++) {\n if (state.tokens[i].level === level && state.tokens[i].type === 'paragraph_open') {\n
state.tokens[i + 2].tight = true;\n
state.tokens[i].tight = true;\n
i += 2;\n }\n }\n}\n\n\nmodule.exports =
function list(state, startLine, endLine, silent) {\n var nextLine,\n
indent,\n
oldTShift,\n
oldIndent,\n
oldTight,\n
oldParentType,\n
start,\n
posAfterMarker,\n
max,\n
indentAfterMarker,\n
markerValue,\n
markerCharCode,\n
isOrdered,\n
contentStart,\n
listTokIdx,\n
prevEmptyEnd,\n
listLines,\n
itemLines,\n
tight = true,\n
terminatorRules,\n
i, l, terminate;\n\n // Detect list type and
position after marker\n if ((posAfterMarker = skipOrderedListMarker(state, startLine)) >= 0) {\n isOrdered =
true;\n } else if ((posAfterMarker = skipBulletListMarker(state, startLine)) >= 0) {\n isOrdered = false;\n } else
{\n return false;\n }\n\n if (state.level >= state.options.maxNesting) { return false; }\n\n // We should terminate
list on style change. Remember first one to compare.\n markerCharCode = state.src.charCodeAt(posAfterMarker 1);\n\n // For validation mode we can terminate immediately\n if (silent) { return true; }\n\n // Start list\n
listTokIdx = state.tokens.length;\n\n if (isOrdered) {\n start = state.bMarks[startLine] + state.tShift[startLine];\n
markerValue = Number(state.src.substr(start, posAfterMarker - start - 1));\n\n state.tokens.push({\n
type:
'ordered_list_open',\n
order: markerValue,\n
lines: listLines = [ startLine, 0 ],\n
level: state.level++\n
});\n\n } else {\n state.tokens.push({\n
type: 'bullet_list_open',\n
lines: listLines = [ startLine, 0 ],\n
level: state.level++\n });\n }\n\n //\n // Iterate list items\n //\n\n nextLine = startLine;\n prevEmptyEnd =
false;\n terminatorRules = state.parser.ruler.getRules('list');\n\n while (nextLine < endLine) {\n contentStart =
state.skipSpaces(posAfterMarker);\n max = state.eMarks[nextLine];\n\n if (contentStart >= max) {\n
//
trimming space in \"- \\n 3\" case, indent is 1 here\n
indentAfterMarker = 1;\n } else {\n
indentAfterMarker = contentStart - posAfterMarker;\n }\n\n // If we have more than 4 spaces, the indent is 1\n
// (the rest is just indented code block)\n if (indentAfterMarker > 4) { indentAfterMarker = 1; }\n\n // If indent is
less than 1, assume that it's one, example:\n // \"-\\n test\"\n if (indentAfterMarker < 1) { indentAfterMarker =
1; }\n\n // \" - test\"\n // ^^^^^ - calculating total length of this thing\n indent = (posAfterMarker state.bMarks[nextLine]) + indentAfterMarker;\n\n // Run subparser & write tokens\n state.tokens.push({\n
type: 'list_item_open',\n
lines: itemLines = [ startLine, 0 ],\n
level: state.level++\n });\n\n oldIndent =
state.blkIndent;\n oldTight = state.tight;\n oldTShift = state.tShift[startLine];\n oldParentType =
state.parentType;\n state.tShift[startLine] = contentStart - state.bMarks[startLine];\n state.blkIndent = indent;\n
state.tight = true;\n state.parentType = 'list';\n\n state.parser.tokenize(state, startLine, endLine, true);\n\n // If
any of list item is tight, mark list as tight\n if (!state.tight || prevEmptyEnd) {\n
tight = false;\n }\n // Item
become loose if finish with empty line,\n // but we should filter last element, because it means list finish\n

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module id = 1037
// module chunks = 0","// lheading (---, ===)


module.exports.exports = function lheading(state, startLine, endLine, silent) {
  var marker, pos, max, next = startLine + 1;

  if (next >= endLine) { return false; }
  if (state.tShift[next] < state.blkIndent) { return false; }
  if (state.eMarks[next] - state.blkIndent > 3) { return false; }

  var pos = state.bMarks[next] + state.tShift[next];

  if (pos >= max) { return false; }
  marker = state.srcCharCodeAt(pos);

  if (marker !== 0x2D/* - */ && marker !== 0x3A/* : */) { return false; }

  var lineText = getLine(state, startLine + 1);

  if (pos <= max) { return false; }
  pos = state.bMarks[startLine] + state.tShift[startLine];

  state.line = next + 1;
  state.tokens.push({
    type: 'heading_open',
    hLevel: marker === 0x3D/* = */ ? 1 : 2,
    lines: [ startLine, state.line ],
    level: state.levelThe
  });

  state.tokens.push({
    type: 'heading_close',
    hLevel: marker === 0x3D/* = */ ? 1 : 2,
    level: state.levelThe
  });

  return true;
};


FOOTER
// ./node_modules/remarkable/lib/rules_block/lheading.js
// module id = 1038
// module chunks = 0","// HTML block


module.exports = function htmlblock(state, startLine, endLine, silent) {
  var ch, match, nextLine,
      pos = state.bMarks[startLine],
      max = state.eMarks[startLine],
      shift = state.tShift[startLine];

  pos += shift; if (!state.options.html) { return false; }
  if (shift > 3 || pos + 2 > max) { return false; }

  var ch = state.srcCharCodeAt(pos + 1); if (ch === 0x21/* ! */ || ch === 0x3F/* ? */) { return true; }

  // Directive start / comment start / processing instruction start
  if (silent) { return true; }
  else if (ch === 0x2F/* / */ || isLetter(ch)) {

    // Probably start or end of tag
    if (ch === 0x2F/* / */ || isLetter(ch)) { return true; }
  }

  // Make sure tag name is valid
  if (!block_names[match[1].toLowerCase()]) { return false; }
  if (silent) {
    return true;
  }

  // If we are here - we detected HTML block
  // Let's roll down till empty line (block end)
  nextLine = startLine + 1;
  while (nextLine < state.lineMax && !state.isEmpty(nextLine)) {
    nextLine++;
  }

  state.line = nextLine + 1;
  state.tokens.push({
    type: 'heading_close',
    hLevel: state.level + 1,
    lines: [ startLine, state.line - 1 ],
    children: [
      {
        type: 'heading_open',
        hLevel: marker === 0x3D/* = */ ? 1 : 2,
        level: state.levelThe
      },
      {
        type: 'heading_close',
        hLevel: marker === 0x3D/* = */ ? 1 : 2,
        level: state.levelThe
      }
    ],
    content: state.getLines(startLine, endLine, endLine, silent)
  });

  return true;
};


FOOTER
// ./node_modules/remarkable/lib/rules_block/htmlblock.js
// module id = 1039
// module chunks = 0","// List of valid html blocks names, accorting to commonmark spec


var bblock_names = require('../common/html_blocks');


var HTML_TAG_OPEN_RE = /<[^a-zA-Z][1,15>]\[\s/>]/;

function isLetter(ch) {
  /*eslint no-bitwise:0*/
  var lc = ch | 0x20; // to lower case
  return lc >= 0x61/* a */ && lc <= 0x7a/* z */;
}

module.exports = function htmlblock(state, startLine, endLine, silent) {
  var ch, match, nextLine,
      pos = state.bMarks[startLine],
      max = state.eMarks[startLine],
      shift = state.tShift[startLine];

  pos += shift; if (!state.options.html) { return false; }
  if (shift > 3 || pos + 2 > max) { return false; }

  var ch = state.srcCharCodeAt(pos + 1); if (ch === 0x21/* ! */ || ch === 0x3F/* ? */) { return true; }

  // Directive start / comment start / processing instruction start
  if (silent) { return true; }
  else if (ch === 0x2F/* / */ || isLetter(ch)) {

    // Probably start or end of tag
    if (ch === 0x2F/* / */ || isLetter(ch)) { return true; }
  }

  // Make sure tag name is valid
  if (!block_names[match[1].toLowerCase()]) { return false; }
  if (silent) {
    return true;
  }

  // If we are here - we detected HTML block
  // Let's roll down till empty line (block end)
  nextLine = startLine + 1;
  while (nextLine < state.lineMax && !state.isEmpty(nextLine)) {
    nextLine++;
  }

  state.line = nextLine + 1;
  state.tokens.push({
    type: 'heading_close',
    hLevel: state.level + 1,
    lines: [ startLine, state.line - 1 ],
    children: [
      {
        type: 'heading_open',
        hLevel: marker === 0x3D/* = */ ? 1 : 2,
        level: state.levelThe
      },
      {
        type: 'heading_close',
        hLevel: marker === 0x3D/* = */ ? 1 : 2,
        level: state.levelThe
      }
    ],
    content: state.getLines(startLine, endLine, endLine, silent)
  });

  return true;
};


FOOTER
// ./node_modules/remarkable/lib/rules_block/htmlblock.js
// module id = 1040
// module chunks = 0","// GFM table, non-standard


module.exports.exports = function htmlblock(state, startLine, endLine, silent) {
  var ch, match, nextLine,
      pos = state.bMarks[startLine],
      max = state.eMarks[startLine],
      shift = state.tShift[startLine];

  pos += shift; if (!state.options.html) { return false; }
  if (shift > 3 || pos + 2 > max) { return false; }

  var ch = state.srcCharCodeAt(pos + 1); if (ch === 0x21/* ! */ || ch === 0x3F/* ? */) { return true; }

  // If we are here - we detected HTML block
  // Let's roll down till empty line (block end)
  nextLine = startLine + 1;
  while (nextLine < state.lineMax && !state.isEmpty(nextLine)) {
    nextLine++;
  }

  state.line = nextLine + 1;
  state.tokens.push({
    type: 'heading_close',
    hLevel: state.level + 1,
    lines: [ startLine, state.line - 1 ],
    children: [
      {
        type: 'heading_open',
        hLevel: marker === 0x3D/* = */ ? 1 : 2,
        level: state.levelThe
      },
      {
        type: 'heading_close',
        hLevel: marker === 0x3D/* = */ ? 1 : 2,
        level: state.levelThe
      }
    ],
    content: state.getLines(startLine, endLine, endLine, silent)
  });

  return true;
};


FOOTER
// ./node_modules/remarkable/lib/rules_block/htmlblock.js
// module id = 1041
// module chunks = 0","// List of valid html blocks names, accorting to commonmark spec


var valid_html_blocks = {}


valid_html_blocks.name = true; })

module.exports.exports = html_blocks;
Process ++inserted text++\n\n\nstate.posMax + 2;\nstate.posMax = max;\nreturn true;\n});\n\n// WEBPACK FOOTER\n//\n
\n//\n
\n// Process +=highlighted text+=\n
\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\nFOOTER
// ./node_modules/remarkable/lib/rules_inline/del.js\n// module id = 1049\n// module chunks = 0,"/\n\n// Process +=inserted text++\n\n\n
\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\nFOOTER
// ./node_modules/remarkable/lib/rules_inline/ins.js\n// module id = 1050\n// module chunks = 0,"/\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\nFOOTER
// ./node_modules/remarkable/lib/rules_inline/mark.js
// module id = 1051
// module chunks = 0"/\n
module.exports = function sub(state, silent) {
  var found, oldCount, startCount, res;

  state.pos = state.posMax;
  state.posMax = state.pos;

  start = state.pos;
  marker = state.src.charCodeAt(state.pos);

  if (marker !== 0x7E /* ~ */) {
    return false;
  }

  if (silent) { return false; } // don't run any pairs in validation mode
  res = scanDelims(state, start); if (res.can_open) {
    state.pos = start + startCount;
    if (startCount === 2 || startCount === 3) {
      state.push({
        type: 'strong_open', level: state.level++ });
    }
    if (startCount === 1 || startCount === 3) {
      state.push({ type: 'em_open', level:
        state.level++ });
    }
    if (startCount !== 2 && startCount !== 3) { return false; }
    if (silent) { return false; }
    state.pos += startCount;
    continue;
  }

  while (state.pos < state.posMax) {
    if (state.src.charCodeAt(state.pos) === marker) {
      res = scanDelims(state, state.pos);
      startCount = res.delims;
      if (!res.can_open) {
        state.pos += startCount;
        continue;
      }
    }

    state.parser.skipToken(state);
  }

  if (!found) {
    return false;
  }

  state.posMax = state.pos;
  state.level = state.level - 1;

  if (state.level >= state.options.maxNesting) { return false; }

  state.pos = start + startCount;
  stack = [ startCount ];

  while (state.pos < max) {
    if (state.src.charCodeAt(state.pos) === marker) {
      state.pos += startCount;
      continue;
    }

    nextChar = state.src.charCodeAt(state.pos);
    if (nextChar !== 0x20 || nextChar !== 0x0A) { return false; }

    lastChar = state.src.charCodeAt(state.pos - 1);
    if (nextChar === 0x7E /* ~ */) { return false; }
    if (lastChar === 0x7E /* ~ */) { return false; }

    count = state.pos - start;
    if (count >= 4) { return false; }
    if (isAlphaNum(lastChar)) { can_open = false; }
    if (isAlphaNum(nextChar)) { can_close = false; }

    if (isAlphaNum(lastChar) && isAlphaNum(nextChar)) { return false; }

    state.parser.skipToken(state);
  }

  if (startCount === 2) { return true; }

  if (silent) { return false; }
  if (startCount === 2 || startCount === 3) {
    state.push({
      type: 'strong_close', level: --state.level });
  }
  if (startCount === 1 || startCount === 3) {
    state.push({ type: 'em_close', level: --state.level });
  }

  state.pos = start;
  return false;
};
content, \n max = state.posMax, \n start = state.pos, \n if (state.srcCharCodeAt(start) !== 0x5E/* ^ */) { return false; } \n if (silent) { return false; } // don't run any pairs in validation mode \n if (start + 2 >= max) { return false; } \n if (state.level >= state.options.maxNesting) { return false; } \n state.pos = start + 1; \n if (!state.parser.skipToken(state)) \n return false; \n if (state.src.charCodeAt(state.posMax) !== 0x5E/* ^ */) { return false; } \n found = true; \n break; \n }

if (state.poll(state.pos) === 0x5B/* [ */) { return false; } \n if (found) { \n }

// don't allow unescaped spaces/newlines inside \n if (content.match(/(^|[^\\\s])\\\\\\s\s/) ) { return false; } \n state.pos = start + return false; \n // found? state.posMax = state.pos; \n state.pos = start + 1; \n if (!silent) \n state.push({ type: 'sup', \n level: state.level, \n content: content.replace(UNESCAPE_RE, '$1') }); \n }

if (state.src.charCodeAt(state.pos) !== 0x29/* ) */) { return false; } \n if (state.level >= state.options.maxNesting) { return false; } \n state.pos = state.posMax + 1; \n state.posMax = max; \n return true; \n }

\n\n
\n\n
//////////////////
// WEBPACK FOOTER
//

\n\n
define the `links` function that takes in a state object and a silent flag:

```javascript
function links(state, silent) {
  if (!silent) {
    state = state || {};
    state.options = state.options || {};
    state.options.maxNesting = state.options.maxNesting || 5;
  }

  switch (state.mode) {
    // inline mode
    case 'inline':
      return inline_links(state, silent);
    // footnotes
    case 'footnotes':
      return footnotes(state, silent);
    // links
    case 'links':
      return links(state, silent);
    // process footnote references
    case 'footnote_ref':
      return footnote_ref(state, silent);
    // process footnote inline text
    case 'footnote_inline':
      return footnote_inline(state, silent);
  }
}
```

In the `links` function, we first check if the `state` object is not empty by setting it to the `state` object if it is. We also set the `options` object to the `options` object if it is not empty, and set the `maxNesting` option to 5 if it is not provided.

Then we use a switch statement to determine the current mode of the state object. Depending on the mode, we call the appropriate function:

- `inline_links`: process inline links
- `footnotes`: process footnotes
- `links`: process links
- `footnote_ref`: process footnote references
- `footnote_inline`: process footnote inline text

Each case statement contains the code for the respective function that processes the current mode of the state object. This allows us to handle different types of inline elements in a modular and reusable way.
```javascript
// module.id = 1061
// module.chunks = 0

function HTML_TAG_RE

// module.id = 1060
// module.chunks = 0

// Module.exports is function htmltag(state, silent) {

function htmltag(state, silent) {
  var ch, match, max, pos = state.pos;

  if (state.src.charCodeAt(pos) !== 0x3C/* < */) {
    return false;
  }

  if (state.options.html) {
    return true;
  }

  // Check start
  max = state.posMax;
  if (state.src.charCodeAt(pos) !== 0x7a/* z */) {
    return false;
  }

  // Quick fail on second char
  ch = state.src.charCodeAt(pos + 1);
  if (ch !== 0x21/* ! */ &&
      ch !== 0x3F/* ? */ &&
      ch !== 0x2F/* / */
      &&
      !isLetter(ch)) {
    return false;
  }

  match = state.src.slice(pos).match(HTML_TAG_RE);
  if (!match) { return false; }

  if (!silent) {
    state.push({
      type: 'htmltag',
      content: state.src.slice(pos, pos + match[0].length),
      level: state.level
    });
  }
  state.pos += match[0].length;
  return true;
}


module.exports = function htmltag(state, silent) {
  var ch, match, max, pos = state.pos;

  if (state.src.charCodeAt(pos) !== 0x3C/* < */) {
    return false;
  }

  if (state.options.html) {
    return true;
  }

  // Process html tags
  var emailMatch = /
```
'visibility', 'vert-adv-y', 'vert-origin-x', 'vert-origin-y', 'width', 'word-spacing', 'wrap', 'writing-mode', 'xchannelselector', 'ychannelselector', 'x', 'x1', 'x2', 'xmlns', 'y', 'y1', 'y2', 'zoomandpan'}

var mathMl$1 =

var xml = ['xlink:href', 'xml:id', 'xlink:title', 'xml:space', xmlns:xlink'];

/* Add properties to a lookup table */
function addToSet(set, array) {
  var l = array.length;
  while (l--) {
    if (typeof array[l] === 'string') {
      array[l] = array[l].toLowerCase();
    }
    set[array[l]] = true;
  }
  return set;
}

/* Shallow clone an object */
function clone(object) {
  var newObject = {};
  var property = void 0;
  for (property in object) {
    if (Object.prototype.hasOwnProperty.call(object, property)) {
      newObject[property] = object[property];
    }
  }
  return newObject;
}

var MUSTACHE_EXPR = /\{\{\s\S\}*|\[\s\S\]*\}\}/gm; // Specify template detection regex for SAFE_FOR_TEMPLATES mode

var ERB_EXPR = /<\%=\[\s\S\]*|\[\s\S\]*%\>/gm;

// If the web-components registry is inherited by an
// new document created via createHTMLDocument. As per the spec
// (http://w3c.github.io/webcomponents/spec/custom/#creating-and-passing-registries)
// a new empty registry is used when creating a template contents owner
// document, so we use that as our parent document to ensure nothing
// is inherited.

function DOMPurify() {
  var window = arguments.length > 0 && arguments[0] !== undefined ? arguments[0] : getGlobal();

  var DOMPurify = function DOMPurify(root) {
    return createDOMPurify(root);
  };

  /**
   * Version label, exposed for easier checks
   * if DOMPurify is up to date or not
   */
  DOMPurify.version = '1.0.4';

  /**
   * Array of elements that DOMPurify removed during sanitation.
   * Empty if nothing was removed.
   */
  DOMPurify.removed = [];

  if (!window || !window.document || window.document.nodeType !== 9) {
    // Not running in a browser, provide a factory function
    // so that you can pass your own Window
    DOMPurify.isSupported = false;

    return DOMPurify;
  }

  var _document = window.document;

  if (typeof HTMLTemplateElement === 'function') {
    var template = _document.createElement('template');
    if (template.content && template.content.ownerDocument) {
      _document = template.content.ownerDocument;
    }
  }

  var Node = window.Node, NodeFilter = window.NodeFilter;

  // A new empty registry is used when creating a template contents owner
  // document, so we use that as our parent document to ensure nothing
  // is inherited.

  function DocumentFragment() {
    return window.HTMLTemplateElement = window.HTMLTemplateElement || null;
  }

  function createDOMPurify(root) {
    var DOMPurify = function DOMPurify(root) {
      _window$NamedNodeMap = DocumentFragment();
    };

    // As per issue #47, the web-components registry is inherited by
    // a new document created via createHTMLDocument. As per the spec
    // (http://w3c.github.io/webcomponents/spec/custom/#creating-and-passing-registries)
    // a new empty registry is used when creating a template contents owner
    // document, so we use that as our parent document to ensure nothing
    // is inherited.

    if (typeof HTMLTemplateElement === 'function') {
      var document = createDocument.createElement('template');
    } else {
      var document = createDocument.createElement('template');
    }

    // If this needs to be extensiv...
getElementsByTagName = _document.getElementsByTagName,
      createDocumentFragment = _document.createDocumentFragment;

  var importNode = originalDocument.importNode;

  var hooks = {};

  /**
   * Expose whether this browser supports running the full DOMPurify.
   */
  DOMPurify.isSupported = implementation && typeof implementation.createHTMLDocument !== 'undefined' &&
      document.documentMode !== 9;

  var MUSTACHE_EXPR$$1 = MUSTACHE_EXPR,
      ERB_EXPR$$1 = ERB_EXPR,
      DATA_ATTR$$1 = DATA_ATTR,
      ARIA_ATTR$$1 = ARIA_ATTR,
      IS_SCRIPT_OR_DATA$$1 = IS_SCRIPT_OR_DATA,
      ATTR_WHITESPACE$$1 = ATTR_WHITESPACE;

  var IS_ALLOWED_URI$$1 = IS_ALLOWED_URI;
  /**
   * We consider the elements and attributes below to be safe. Ideally\n   * don't add any new ones but feel free to remove unwanted ones.\n   */
  var ALLOWED_TAGS = null;
  var DEFAULT_ALLOWED_TAGS = addToSet({}, [html, svg, svgFilters, mathMl, text]);

  var ALLOWED_ATTR = null;
  var DEFAULT_ALLOWED_ATTR = addToSet({}, [html$1, svg$1, mathMl$1, xml]);

  var FORBID_TAGS = null;

  var FORBID_ATTR = null;

  var ALLOW_ARIA_ATTR = true;

  var ALLOW_DATA_ATTR = true;

  var ALLOW_UNKNOWN_PROTOCOLS = false;

  var SAFE_FOR_JQUERY = false;

  var SAFE_FOR_TEMPLATES = false;

  var RETURN_DOM = false;

  var RETURN_DOM_FRAGMENT = false;

  var RETURN_DOM_IMPORT = false;

  var SANITIZE_DOM = true;

  var KEEP_CONTENT = true;

  var USE_PROFILES = {};

  var FORBID_CONTENTS = addToSet({}, ['audio', 'head', 'math', 'script', 'style', 'template', 'svg', 'video']);

  var URI_SAFE_ATTRIBUTES = addToSet({}, ['alt', 'class', 'for', 'id', 'label', 'name', 'pattern', 'placeholder', 'summary', 'title', 'value', 'style', 'xmlns']);

  var CONFIG = null;

  /* ______________________________________________ */

  var formElement = document.createElement('form');

  /**
   * _parseConfig
   * @param  optional config literal
   */
  _parseConfig = function _parseConfig(cfg) {
    /* Shield configuration object from tampering */
    if ((typeof cfg === 'undefined' ? 'undefined' : typeof cfg) !== 'object') {
      cfg = {};
    }
    /* Set configuration parameters */
    ALLOWED_TAGS = 'ALLOWED_TAGS' in cfg ? addToSet({}, cfg.ALLOWED_TAGS) : DEFAULT_ALLOWED_TAGS;
    ALLOWED_ATTR = 'ALLOWED_ATTR' in cfg ? addToSet({}, cfg.ALLOWED_ATTR) : DEFAULT_ALLOWED_ATTR;
    FORBID_TAGS = 'FORBID_TAGS' in cfg ? addToSet({}, cfg.FORBID_TAGS) : \n      'FORBID_ATTR' in cfg ? addToSet({}, cfg.FORBID_ATTR) : \n      USE_PROFILES = 'USE_PROFILES' in cfg ? \n
? cfg.USE_PROFILES : false
ALLOW_ARIA_ATTR = cfg.ALLOW_ARIA_ATTR !== false; // Default true
ALLOW_DATA_ATTR = cfg.ALLOW_DATA_ATTR !== false; // Default true
ALLOW_UNKNOWN_PROTOCOLS = cfg.ALLOW_UNKNOWN_PROTOCOLS || false; // Default false
SAFE_FOR_JQUERY = cfg.SAFE_FOR_JQUERY || false; // Default false
SAFE_FOR_TEMPLATES = cfg.SAFE_FOR_TEMPLATES || false; // Default false
WHOLE_DOCUMENT = cfg.WHOLE_DOCUMENT || false; // Default false
RETURN_DOM = cfg.RETURN_DOM || false; // Default false
RETURN_DOM_FRAGMENT = cfg.RETURN_DOM_FRAGMENT || false; // Default false
RETURN_DOM_IMPORT = cfg.RETURN_DOM_IMPORT || false; // Default false
FORCE_BODY = cfg.FORCE_BODY || false; // Default false
SANITIZE_DOM = cfg.SANITIZE_DOM !== false; // Default true
KEEP_CONTENT = cfg.KEEP_CONTENT !== false; // Default true
IS_ALLOWED_URI$$1 = cfg.ALLOWED_URI_REGEXP || IS_ALLOWED_URI$$1;

if (SAFE_FOR_TEMPLATES) {
  ALLOW_DATA_ATTR = false;
}

if (RETURN_DOM_FRAGMENT) {
  RETURN_DOM = true;
}

/* Parse profile info */
if (USE_PROFILES) {
  ALLOWED_TAGS = addToArray({},
    .concat(toConsumableArray(text)));
  ALLOWED_ATTR = [];
  if (USE_PROFILES.html === true) {
    addToSet(ALLOWED_TAGS, html);
    addToSet(ALLOWED_ATTR, html$1);
  }
  if (USE_PROFILES.svg === true) {
    addToSet(ALLOWED_TAGS, svg);
    addToSet(ALLOWED_ATTR, svg$1);
    addToSet(ALLOWED_ATTR, xml);
  }
  if (USE_PROFILES.svgFilters === true) {
    addToSet(ALLOWED_TAGS, svgFilters);
    addToSet(ALLOWED_ATTR, svg$1);
    addToSet(ALLOWED_ATTR, xml);
  }
  if (USE_PROFILES.mathMl === true) {
    addToSet(ALLOWED_TAGS, mathMl);
    addToSet(ALLOWED_ATTR, mathMl$1);
    addToSet(ALLOWED_ATTR, xml);
  }
}

/* Merge configuration parameters */
if (cfg.ADD_TAGS) {
  if (ALLOWED_TAGS === DEFAULT_ALLOWED_TAGS) {
    ALLOWED_TAGS = clone(ALLOWED_TAGS);
  }
  addToSet(ALLOWED_TAGS, cfg.ADD_TAGS);
}
if (cfg.ADD_ATTR) {
  if (ALLOWED_ATTR === DEFAULT_ALLOWED_ATTR) {
    ALLOWED_ATTR = clone(ALLOWED_ATTR);
  }
  addToSet(ALLOWED_ATTR, cfg.ADD_ATTR);
}
if (cfg.ADD_URI_SAFE_ATTR) {
  addToSet(URI_SAFE_ATTRIBUTES, cfg.ADD_URI_SAFE_ATTR);
}

/* Add #text in case KEEP_CONTENT is set to true */
if (KEEP_CONTENT) {
  ALLOWED_TAGS['#text'] = true;
}

// Prevent further manipulation of configuration.
// Not available in IE8, Safari 5, etc.
if (Object & & 'freeze' in Object) {
  Object.freeze(CONFIG);
}

/* Create a HTML document */
var doc = void 0;
var body = void 0;

if (FORCE_BODY) {
  dirty = '<remove></remove>' + dirty;
}

if (useXHR) {
  try {
    dirty = encodeURI(dirty);
  } catch (err) {}
  var xhr = new XMLHttpRequest();
  xhr.responseType = 'document';
  xhr.open('GET', 'data:text/html;charset=utf-8;', false);
  xhr.send(null);
  var doc = xhr.responseText;
}

// Use XHR if necessary because Safari 10.1 and newer are buggy.
if (FORCERED BODY) {
  dirty = '<remove' + '/>' + dirty;
}

/* Use DOMPurify to workaround Firefox bug (see comment below) */
if (useDOMPurify) {
  try {
    DOMPurify.removed.push({
      attribute: node.getAttributeNode(name),
      from: node
    });
  } catch (err) {
    DOMPurify.removed.push({
      attribute: null,
      from: node
    });
  }
  var xContent = 'document';
  xContent.open('GET', 'data:text/html;charset=utf-8;', true, false);
  xContent.send(null);
  var doc = xContent.responseText;
}

/* Work on whole document or just its body */
if (body) {
  body.parentNode.removeChild(body.firstChild);
  body.innerHTML = dirty;
}

/* Prevent further manipulation of configuration. */
if (Object & & 'freeze' in Object) {
  Object.freeze(CONFIG);
}

/* Create a HTML document */
var doc = void 0;
var body = void 0;

if (FORCE_BODY) {
  dirty = '<remove></remove>' + dirty;
}

if (useXHR) {
  try {
    dirty = encodeURI(dirty);
  } catch (err) {}
  var xhr = new XMLHttpRequest();
  xhr.responseType = 'document';
  xhr.open('GET', 'data:text/html;charset=utf-8;', true, false);
  xhr.send(null);
  var doc = xhr.responseText;
}

/* Use DOMPurify to workaround Firefox bug (see comment below) */
if (useDOMPurify) {
  try {
    DOMPurify.removed.push({
      attribute: null,
      from: node
    });
  } catch (err) {
    DOMPurify.removed.push({
      attribute: null,
      from: node
    });
  }
  var xContent = 'document';
  xContent.open('GET', 'data:text/html;charset=utf-8;', true, false);
  xContent.send(null);
  var doc = xContent.responseText;
}

/* Work on whole document or just its body */
if (body) {
  body.parentNode.removeChild(body.firstChild);
  body.innerHTML = dirty;
}

/* Prevent further manipulation of configuration. */
if (Object & & 'freeze' in Object) {
  Object.freeze(CONFIG);
}

/* Create a HTML document */
var doc = void 0;
var body = void 0;

if (FORCE_BODY) {
  dirty = '<remove></remove>' + dirty;
}

if (useXHR) {
  try {
    dirty = encodeURI(dirty);
  } catch (err) {}
  var xhr = new XMLHttpRequest();
  xhr.responseType = 'document';
  xhr.open('GET', 'data:text/html;charset=utf-8;', true, false);
  xhr.send(null);
  var doc = xhr.responseText;
}

/* Work on whole document or just its body */
if (body) {
  body.parentNode.removeChild(body.firstChild);
  body.innerHTML = dirty;
}

/* Prevent further manipulation of configuration. */
if (Object & & 'freeze' in Object) {
  Object.freeze(CONFIG);
}

/* Create a HTML document */
var doc = void 0;
var body = void 0;

if (FORCE_BODY) {
  dirty = '<remove></remove>' + dirty;
}

if (useXHR) {
  try {
    dirty = encodeURI(dirty);
  } catch (err) {}
  var xhr = new XMLHttpRequest();
  xhr.responseType = 'document';
  xhr.open('GET', 'data:text/html;charset=utf-8;', true, false);
  xhr.send(null);
  var doc = xhr.responseText;
}
Safari 10.1+ (unfixed as of time of writing) has a catastrophic bug in `innerHTML` rather than `DOMParser` (see https://bugzilla.mozilla.org/show_bug.cgi?id=1205631) which means that you *must* use DOMParser, otherwise the output may not be safe if used in a document.write context later. So we feature detect the Firefox bug and use the DOMParser if necessary.

```javascript
DOMPurify.isSupported) {
  (function () {
    var doc = _initDocument('<svg>' + g
      onload="this.parentNode.removeChild(this)"></g></svg>');
    if (!doc.querySelector('svg')) {
      useDOMParser = true;
    }
  })();
}

/**
 * _createIterator
 * @param  document/fragment to create iterator for
 * @return iterator instance
 */
var _createIterator = function _createIterator(root) {
  return createNodeIterator.call(root.ownerDocument || root, root, NodeFilter.SHOW_ELEMENT | NodeFilter.SHOW_COMMENT | NodeFilter.SHOW_TEXT, function () {
    return NodeFilter.FILTER_ACCEPT;
  }, false);
}

/**
 * _isClobbered
 * @param object to check whether it's a DOM node
 * @return true if object can clobber, false if safe
 */
var _isClobbered = function _isClobbered(elm) {
  if (elm instanceof Text || elm instanceof Comment) {
    return false;
  }
  return false;
}

/**
 * _sanitizeElements
 * @param object to check for clobbering attacks
 * @return true if node was killed, false if left alive
 */
var _sanitizeElements = function _sanitizeElements(currentNode) {
  var content = void 0;

  /* Execute a hook if present */
  _executeHook('beforeSanitizeElements', currentNode, null);

  /* Check if element is clobbered or can clobber */
  if (_isClobbered(currentNode)) {
    _forceRemove(currentNode);
    return true;
  }

  /* Now let's check the element's type and name */
  var tagName = currentNode.nodeName.toLowerCase();

  /* Execute a hook if present */
  _executeHook('uponSanitizeElement', currentNode, {
    tagName: tagName,
    allowedTags: ALLOWED_TAGS
  });

  /* Check if element is clobbered or can clobber */
  if (_isClobbered(currentNode)) {
    _forceRemove(currentNode);
    return true;
  }

  /* Now let's check the element's type and name */
  var tagName = currentNode.nodeName.toLowerCase();

  /* Execute a hook if present */
  _executeHook('uponSanitizeElement', currentNode, {
    tagName: tagName
  });

  /* Remove element if anything forbids its presence */
  if (!ALLOWED_TAGS[tagName] || FORBID_TAGS[tagName]) {
    /* Keep content except for black-listed elements */
    if (KEEP_CONTENT && !FORBID_CONTENTS[tagName] && typeof currentNode.insertAdjacentHTML === 'function') {
      try {
        currentNode.insertAdjacentHTML('AfterEnd', currentNode.innerHTML);
      } catch (err) {}
    }
    /* Convert markup to cover jQuery behavior */
    if (SAFE_FOR_JQUERY && !currentNode.firstElementChild && (!currentNode.content || !currentNode.content.firstElementChild) && /</g.test(currentNode.textContent)) {
      DOMPurify.removed.push({ element: currentNode.cloneNode() });
    }
    currentNode.innerHTML = currentNode.textContent.replace(/</g, '&lt;');
  }
}

/**
 * Sanitize element content to be template-safe */

/* For testing */

// Safari 10.1+ (unfixed as of time of writing) has a catastrophic bug in `innerHTML` rather than `DOMParser` (see https://bugzilla.mozilla.org/show_bug.cgi?id=1205631) which means that you *must* use DOMParser, otherwise the output may not be safe if used in a document.write context later. So we feature detect the Firefox bug and use the DOMParser if necessary.

```
`IS_SCRIPT_OR_DATA$1.test(value.replace(ATTR_WHITESPACE$1, "\") ) { in // This attribute is safe

/* Check for binary attributes */
if (!value) {
  // Binary attributes are safe at this point
  /* Anything else, presume unsafe, do not add it back */
  } else {
    continue;
  }
  // Handle invalid data-* attribute set by try-catching it
  try {
    currentNode.setAttribute(name, value);
    DOMPurify.removed.pop();
  } catch (err) {
    /* Execute a hook if present */
    _executeHook('afterSanitizeAttributes', currentNode, null);
  }
  /** *
   * @sanitizeShadowDOM
   */
  function _sanitizeShadowDOM(fragment) {
    var shadowNode = void 0;
    var shadowIterator = _createIterator(fragment);

    /* Execute a hook if present */
    _executeHook('beforeSanitizeShadowDOM', fragment, null);

    while (shadowNode = shadowIterator.nextNode()) {
      /* Execute a hook if present */
      _executeHook('uponSanitizeShadowNode', shadowNode, null);
      /* Sanitize tags and elements */
      if (_sanitizeElements(shadowNode)) {
        continue;
      }
      /* Deep shadow DOM detected */
      if (shadowNode.content instanceof DocumentFragment) {
        _sanitizeShadowDOM(shadowNode.content);
      } /* Execute check attributes, sanitize if necessary */
      _sanitizeAttributes(shadowNode);
    }

    /* Execute a hook if present */
    _executeHook('afterSanitizeShadowDOM', fragment, null);
  }
  /** *
   * Sanitize
   * Public method providing core sanitation functionality
   */
  DOMPurify.sanitize = function (dirty, cfg) {
    var body = void 0;
    var importedNode = void 0;
    var currentNode = void 0;
    var oldNode = void 0;
    var returnNode = void 0;

    /* Check we can run. Otherwise fall back or ignore */
    if (!DOMPurify.isSupported) {
      if (window.toStaticHTML) {
        if (typeof dirty !== 'string') {
          return window.toStaticHTML(dirty);
        } else if (_isNode(dirty)) {
          return window.toStaticHTML(dirty.outerHTML);
        }
      }
      return dirty;
    }

    /* Assign config vars */
    if (!SET_CONFIG) {
      _parseConfig(cfg);
    }

    /* Remove first element node (ours) if FORCE_BODY is set */
    if (FORCE_BODY) {
      _forceRemove(body.firstChild);
    }

    /* Get node iterator */
    var nodeIterator = _createIterator(body);

    /* Now start iterating over the created document */
    while (currentNode = nodeIterator.nextNode()) {
      /* Fix IE's strange behavior with manipulated textNodes */
      if (currentNode.nodeType === 3 && currentNode === oldNode) {
        continue;
      }
      /* Sanitize tags and elements */
      if (_sanitizeElements(currentNode)) {
        continue;
      }
      /* Shadow DOM detected, sanitize it */
      if (currentNode.content instanceof DocumentFragment) {
        _sanitizeShadowDOM(currentNode.content);
      }
      /* Check attributes, sanitize if necessary */
      _sanitizeAttributes(currentNode);
      oldNode = currentNode;
      /* Return sanitized string or DOM */
      if (RETURN_DOM) {
        returnNode = createDocumentFragment.call(body.ownerDocument);
while (body.firstChild) { returnNode.appendChild(body.firstChild); } else {
  returnNode = body.firstChild;
}

if (RETURN_DOM_IMPORT) {
  /* AdoptNode() is not used because internal state is not reset in theory but we would rather not risk another attack vector. */
  // The state that is cloned by importNode() is explicitly defined by the specs.
  returnNode = importNode.call(originalDocument, returnNode, true);
}

return returnNode;

body.innerHTML;

/**
 * Public method to set the configuration once
 * setConfig
 *
 * @param {Object} configuration object
 * @return void
 */
DOMPurify.setConfig = function (cfg) {

  _parseConfig(cfg);

  SET_CONFIG = true;

};

/**
 * Public method to remove the configuration
 *
 * @return void
 */
DOMPurify.clearConfig = function () {
  CONFIG = null;

  SET_CONFIG = false;

};

/**
 * AddHook
 * Public method to add DOMPurify hooks
 *
 * @param {String} entryPoint
 * @param {Function} hookFunction
 */
DOMPurify.addHook = function (entryPoint, hookFunction) {

  if (typeof hookFunction !== 'function') {
    return;
  }

  hooks[entryPoint] = hooks[entryPoint] || [];

  hooks[entryPoint].push(hookFunction);

};

/**
 * RemoveHook
 * Public method to remove a DOMPurify hook at a given entryPoint
 *
 * @param {String} entryPoint
 * @return void
 */
DOMPurify.removeHook = function (entryPoint) {

  if (hooks[entryPoint]) {
    hooks[entryPoint].pop();
  }

};

/**
 * RemoveHooks
 * Public method to remove all DOMPurify hooks at a given entryPoint
 *
 * @param {String} entryPoint
 * @return void
 */
DOMPurify.removeHooks = function (entryPoint) {

  if (hooks[entryPoint]) {
    hooks[entryPoint] = [];
  }

};

/**
 * RemoveAllHooks
 * Public method to remove all DOMPurify hooks
 *
 * @return void
 */
DOMPurify.removeAllHooks = function () {

  hooks = {};

};
if (loadingMessage) {
    return <div className="loader">
      <svg class="spinner">
        <circle class="circle1"></circle>
        <circle class="circle2"></circle>
      </svg>
    </div>
  } else {
    return null;
  }

if (loadingMessage) {
    return <div className="loader">
      <svg class="spinner">
        <circle class="circle1"></circle>
        <circle class="circle2"></circle>
      </svg>
    </div>
  }

const hasServers = specSelectors.servers().length
const hasSchemes = specSelectors.schemes().length
const hasSecurityDefinitions = !!specSelectors.securityDefinitions()

if (hasServers) {
    return <div className="servers-container">
      {specSelectors.servers().map(server => (<Server server={server} />))}
    </div>
  } else if (hasSchemes) {
    return <div className="schemes-container">
      {specSelectors.schemes().map(scheme => (<Scheme scheme={scheme} />))}
    </div>
  } else if (hasSecurityDefinitions) {
    return <div className="security-definitions-container">
      {specSelectors.securityDefinitions().map(definition => (<SecurityDefinition definition={definition} />))}
    </div>
  }

const hasMessages = specSelectors.messages().length
const hasErrors = specSelectors.errors().length

if (hasMessages) {
    return <div className="messages-container">
      {specSelectors.messages().map(message => (<Message message={message} />))}
    </div>
  } else if (hasErrors) {
    return <div className="errors-container">
      {specSelectors.errors().map(error => (<Error error={error} />))}
    </div>
  }

if (isSwagger2) {
    return <Swagger2 spec={spec} />;
  } else if (isOAS3) {
    return <OAS3 spec={spec} />;
  } else {
    return <GraphQL spec={spec} />;
  }

const hasServerGroups = specSelectors.serverGroups().length
const hasServerEndpoints = specSelectors.serverEndpoints().length
const hasServiceAccounts = specSelectors.serviceAccounts().length
const hasServiceProfiles = specSelectors.serviceProfiles().length
const hasServiceTiers = specSelectors.serviceTiers().length
const hasServiceTypes = specSelectors.serviceTypes().length
const hasSubscriptions = specSelectors.subscriptions().length
const hasTags = specSelectors.tags().length
const hasUserGroups = specSelectors.userGroups().length
const hasUsers = specSelectors.users().length
const hasVersionGroups = specSelectors.versionGroups().length
const hasVersions = specSelectors.versions().length
const hasWorkflows = specSelectors.workflows().length

if (hasSubscriptions) {
    return <Subscription spec={spec} />;
  } else if (hasTags) {
    return <Tag spec={spec} />;
  } else if (hasUserGroups) {
    return <UserGroup spec={spec} />;
  } else if (hasUsers) {
    return <User spec={spec} />;
  } else if (hasVersionGroups) {
    return <VersionGroup spec={spec} />;
  } else if (hasVersions) {
    return <Version spec={spec} />;
  } else if (hasWorkflows) {
    return <Workflow spec={spec} />;
  }

const hasSecurityDefinitions = !!specSelectors.securityDefinitions()
const hasServerGroups = specSelectors.serverGroups().length
const hasServerEndpoints = specSelectors.serverEndpoints().length
const hasServiceAccounts = specSelectors.serviceAccounts().length
const hasServiceProfiles = specSelectors.serviceProfiles().length
const hasServiceTiers = specSelectors.serviceTiers().length
const hasServiceTypes = specSelectors.serviceTypes().length
const hasSubscriptions = specSelectors.subscriptions().length
const hasTags = specSelectors.tags().length
const hasUserGroups = specSelectors.userGroups().length
const hasUsers = specSelectors.users().length
const hasVersionGroups = specSelectors.versionGroups().length
const hasVersions = specSelectors.versions().length
const hasWorkflows = specSelectors.workflows().length

if (hasSecurityDefinitions) {
    return <SecurityDefinition spec={spec} />;
  } else if (hasServerGroups) {
    return <ServerGroup spec={spec} />;
  } else if (hasServerEndpoints) {
    return <ServerEndpoint spec={spec} />;
  } else if (hasServiceAccounts) {
    return <ServiceAccount spec={spec} />;
  } else if (hasServiceProfiles) {
    return <ServiceProfile spec={spec} />;
  } else if (hasServiceTiers) {
    return <ServiceTier spec={spec} />;
  } else if (hasServiceTypes) {
    return <ServiceType spec={spec} />;
  } else if (hasSubscriptions) {
    return <Subscription spec={spec} />;
  } else if (hasTags) {
    return <Tag spec={spec} />;
  } else if (hasUserGroups) {
    return <UserGroup spec={spec} />;
  } else if (hasUsers) {
    return <User spec={spec} />;
  } else if (hasVersionGroups) {
    return <VersionGroup spec={spec} />;
  } else if (hasVersions) {
    return <Version spec={spec} />;
  } else if (hasWorkflows) {
    return <Workflow spec={spec} />;
  }

const hasServerGroups = specSelectors.serverGroups().length
const hasServerEndpoints = specSelectors.serverEndpoints().length
const hasServiceAccounts = specSelectors.serviceAccounts().length
const hasServiceProfiles = specSelectors.serviceProfiles().length
const hasServiceTiers = specSelectors.serviceTiers().length
const hasServiceTypes = specSelectors.serviceTypes().length
const hasSubscriptions = specSelectors.subscriptions().length
const hasTags = specSelectors.tags().length
const hasUserGroups = specSelectors.userGroups().length
const hasUsers = specSelectors.users().length
const hasVersionGroups = specSelectors.versionGroups().length
const hasVersions = specSelectors.versions().length
const hasWorkflows = specSelectors.workflows().length

if (hasServerGroups) {
    return <ServerGroup spec={spec} />;
  } else if (hasServerEndpoints) {
    return <ServerEndpoint spec={spec} />;
  } else if (hasServiceAccounts) {
    return <ServiceAccount spec={spec} />;
  } else if (hasServiceProfiles) {
    return <ServiceProfile spec={spec} />;
  } else if (hasServiceTiers) {
    return <ServiceTier spec={spec} />;
  } else if (hasServiceTypes) {
    return <ServiceType spec={spec} />;
  } else if (hasSubscriptions) {
    return <Subscription spec={spec} />;
  } else if (hasTags) {
    return <Tag spec={spec} />;
  } else if (hasUserGroups) {
    return <UserGroup spec={spec} />;
  } else if (hasUsers) {
    return <User spec={spec} />;
  } else if (hasVersionGroups) {
    return <VersionGroup spec={spec} />;
  } else if (hasVersions) {
    return <Version spec={spec} />;
  } else if (hasWorkflows) {
    return <Workflow spec={spec} />;
  }

const hasSecurityDefinitions = !!specSelectors.securityDefinitions()
const hasServerGroups = specSelectors.serverGroups().length
const hasServerEndpoints = specSelectors.serverEndpoints().length
const hasServiceAccounts = specSelectors.serviceAccounts().length
const hasServiceProfiles = specSelectors.serviceProfiles().length
const hasServiceTiers = specSelectors.serviceTiers().length
const hasServiceTypes = specSelectors.serviceTypes().length
const hasSubscriptions = specSelectors.subscriptions().length
const hasTags = specSelectors.tags().length
const hasUserGroups = specSelectors.userGroups().length
const hasUsers = specSelectors.users().length
const hasVersionGroups = specSelectors.versionGroups().length
const hasVersions = specSelectors.versions().length
const hasWorkflows = specSelectors.workflows().length

if (hasSecurityDefinitions) {
    return <SecurityDefinition spec={spec} />;
  } else if (hasServerGroups) {
    return <ServerGroup spec={spec} />;
  } else if (hasServerEndpoints) {
    return <ServerEndpoint spec={spec} />;
  } else if (hasServiceAccounts) {
    return <ServiceAccount spec={spec} />;
  } else if (hasServiceProfiles) {
    return <ServiceProfile spec={spec} />;
  } else if (hasServiceTiers) {
    return <ServiceTier spec={spec} />;
  } else if (hasServiceTypes) {
    return <ServiceType spec={spec} />;
  } else if (hasSubscriptions) {
    return <Subscription spec={spec} />;
  } else if (hasTags) {
    return <Tag spec={spec} />;
  } else if (hasUserGroups) {
    return <UserGroup spec={spec} />;
  } else if (hasUsers) {
    return <User spec={spec} />;
  } else if (hasVersionGroups) {
    return <VersionGroup spec={spec} />;
  } else if (hasVersions) {
    return <Version spec={spec} />;
  } else if (hasWorkflows) {
    return <Workflow spec={spec} />;
  }

const hasServerGroups = specSelectors.serverGroups().length
const hasServerEndpoints = specSelectors.serverEndpoints().length
const hasServiceAccounts = specSelectors.serviceAccounts().length
const hasServiceProfiles = specSelectors.serviceProfiles().length
const hasServiceTiers = specSelectors.serviceTiers().length
const hasServiceTypes = specSelectors.serviceTypes().length
const hasSubscriptions = specSelectors.subscriptions().length
const hasTags = specSelectors.tags().length
const hasUserGroups = specSelectors.userGroups().length
const hasUsers = specSelectors.users().length
const hasVersionGroups = specSelectors.versionGroups().length
const hasVersions = specSelectors.versions().length
const hasWorkflows = specSelectors.workflows().length

if (hasServerGroups) {
    return <ServerGroup spec={spec} />;
  } else if (hasServerEndpoints) {
    return <ServerEndpoint spec={spec} />;
  } else if (hasServiceAccounts) {
    return <ServiceAccount spec={spec} />;
  } else if (hasServiceProfiles) {
    return <ServiceProfile spec={spec} />;
  } else if (hasServiceTiers) {
    return <ServiceTier spec={spec} />;
  } else if (hasServiceTypes) {
    return <ServiceType spec={spec} />;
  } else if (hasSubscriptions) {
    return <Subscription spec={spec} />;
  } else if (hasTags) {
    return <Tag spec={spec} />;
  } else if (hasUserGroups) {
    return <UserGroup spec={spec} />;
  } else if (hasUsers) {
    return <User spec={spec} />;
  } else if (hasVersionGroups) {
    return <VersionGroup spec={spec} />;
  } else if (hasVersions) {
    return <Version spec={spec} />;
  } else if (hasWorkflows) {
    return <Workflow spec={spec} />;
  }
export class JsonSchema_array extends PureComponent {

  static propTypes = JsonSchemaPropShape
  static defaultProps = JsonSchemaDefaultProps

  constructor(props, context) {
    super(props, context)
    this.state = { value: valueOrEmptyList(props.value) }
  }

  componentWillReceiveProps(props) {
    if (props.value !== this.state.value)
      this.setState({ value: props.value })
  }

  onChange = () => this.props.onChange(this.state.value)

  onItemChange = (itemVal, i) => {
    this.setState(state => ({
      value: state.value.set(i, itemVal)
    }), this.onChange)
  }

  removeItem = (i) => {
    this.setState(state => ({
      value: state.value.remove(i)
    }), this.onChange)
  }

  addItem = () => {
    this.setState(state => {
      state.value = valueOrEmptyList(state.value)
      return {
        value: state.value.push("\n")
      }
    }, this.onChange)
  }

  onEnumChange = (value) => {
    this.setState(() => {
      value
    }, this.onChange)
  }

  render() {
    let { getComponent, required, schema, errors, fn, disabled } = this.props
    errors = errors.toJS ? errors.toJS() : []

    let itemSchema = fn.inferSchema(schema.items)

    const JsonSchemaForm = getComponent("JsonSchemaForm")
    const Button = getComponent("Button")

    let enumValue = itemSchema["enum"]
    let value = this.state.value

    if (enumValue) {
      const Select = getComponent("Select")
      return (<Select
        className={ errors.length ? "invalid" : "" }
        title={ errors.length ? errors : "" }
        multiple={ true }
        allowEmptyValue={ !required }
        value={ value }
        onChange={ this.onChange } />
      )
    }

    return (null)
  }
}

export class JsonSchema_boolean extends Component {
  static propTypes = JsonSchemaPropShape
  static defaultProps = JsonSchemaDefaultProps

  onEnumChange = (val) => this.props.onChange(val)
  render() {
    let { getComponent, value, errors, schema, required, disabled } = this.props
    errors = errors.toJS ? errors.toJS() : []

    const Select = getComponent("Select")

    return (<Select
      className={ errors.length ? "invalid" : "" }
      title={ errors.length ? errors : "" }
      value={ String(value) }
      disabled={ disabled }
      allowedValues={ !schema.enum || !required }
      onChange={ this.onEnumChange } />
    )
  }
}

export class JsonSchema_object extends PureComponent {
  constructor() {
    super()
  }

  static propTypes = JsonSchemaPropShape
  static defaultProps = JsonSchemaDefaultProps

  onChange = (value) => {
    this.props.onChange(value)
  }

  handleOnChange = e => {
    const inputValue = e.target.value
    this.onChange(inputValue)
  }

  render() {
    let { getComponent, value, disabled, errors } = this.props

    const TextArea = getComponent("TextArea")

    return (<div>
      <TextArea
        className={ cx({ invalid: errors.size }) }
        title={ errors.size ? errors.join("","\n") : "" }
        value={ value }
        disabled={ disabled }
        onInput={ this.onChange } />
    </div>)
  }
}

function valueOrEmptyList(value) {
  return List.isList(value) ? value : List()
}
function (target) { for (var i = 1; i < arguments.length; i++) { var source = arguments[i]; for (var key in source) { if (!source.hasOwnProperty(key)) { target[key] = source[key]; } } } return target; };

var _createClass = function () { function defineProperties(target, props) { for (var i = 0; i < props.length; i++) { var descriptor = props[i]; descriptor.enumerable = descriptor.enumerable || false; descriptor.configurable = true; if ('value' in descriptor) descriptor.writable = true; Object.defineProperty(target, descriptor.key, descriptor); } } return function (Constructor, protoProps, staticProps) { if (protoProps) defineProperties(Constructor.prototype, protoProps); if (staticProps) defineProperties(Constructor, staticProps); return Constructor; }; }();

var _react = require('react');

var _react2 = _interopRequireDefault(_react);

var _lodash = require('lodash.debounce');

var _lodash2 = _interopRequireDefault(_lodash);

function _interopRequireDefault(obj) { return obj && obj.__esModule ? obj : { default: obj }; }

function _objectWithoutProperties(obj, keys) { var target = {}; for (var i in obj) { if (keys.indexOf(i) >= 0) continue; if (!Object.prototype.hasOwnProperty.call(obj, i)) continue; target[i] = obj[i]; } return target; }

function _classCallCheck(instance, Constructor) { if (!(instance instanceof Constructor)) { throw new TypeError("Cannot call a class as a function"); } }

function _possibleConstructorReturn(self, call) { if (!self) { throw new ReferenceError("this hasn't been initialised - super() hasn't been called"); } return call && (typeof call === "object" || typeof call === "function") ? call : self; }

function _inherits(subClass, superClass) { if (typeof superClass !== "function" && superClass !== null) { throw new TypeError("Super expression must either be null or a function, not " + typeof superClass); } subClass.prototype = Object.create(superClass && superClass.prototype, { constructor: { value: subClass, enumerable: false, writable: true, configurable: true } }); if (superClass) Object.setPrototypeOf ? Object.setPrototypeOf(subClass, superClass) : subClass.__proto__ = superClass; }

var DebounceInput = exports.DebounceInput = function (_React$PureComponent) {

  _inherits(DebounceInput, _React$PureComponent);

  function DebounceInput(props) {
    _classCallCheck(this, DebounceInput);

    var _this = _possibleConstructorReturn(this, (DebounceInput.__proto__ || Object.getPrototypeOf(DebounceInput)).call(this, props));

    _this.onChange = function (event) {
      event.persist();

      var oldValue = _this.state.value;

      _this.setState({ value: event.target.value }, function () {
        var value = _this.state.value;

        if (value.length >= _this.props.minLength) {
          _this.notify(event);
          return;
        }

        // If user hits backspace and goes below minLength consider it cleaning the value
        if (oldValue.length > value.length) {
          _this.notify(_extends({}, event, { target: _extends({}, event.target, { value: "" }) }));
        }

        if (_this.isDebouncing) {
          _this.doNotify(event);
        } else {
          _this.doNotify(_extends({}, event, { target: _extends({}, event.target, { value: value }) }));
        }
      });
    };

    _this.onKeyDown = function (event) {
      var onKeyDown = _this.props.onKeyDown;

      if (event.key === 'Enter') {
        _this.forceNotify(event);
      } // Invoke original onKeyDown if present
      if (onKeyDown) {
        onKeyDown(event);
      }
    };

    _this.onBlur = function (event) {
      var onBlur = _this.props.onBlur;

      _this.forceNotify(event);
      // Invoke original onBlur if present
      if (onBlur) {
        onBlur(event);
      }
    };

    _this.createNotifier = function (debounceTimeout) {
      if (debounceTimeout < 0) {
        _this.notify = function () {
          return null;
        };
      } else if (debounceTimeout === 0) {
        _this.notify = _this.doNotify;
      } else {
        var debouncedChangeFunc = (0, _lodash2.default)(function (event) {
          _this.isDebouncing = false;
          _this.doNotify(event);
        }, debounceTimeout);

        _this.notify = function (event) {
          _this.isDebouncing = true;
          _this.doNotify(event);
        };

        _this.flush = function () {
          _this.notify = function () {
            return null;
          };
        };

        _this.cancel = function () {
          _this.isDebouncing = false;
          _this.doNotify = function () {
            _this.notify = function () {
              return null;
            };
          };
        };

        _this.notify = function (event) {
          _this.notify = function () {
            return null;
          };
        };

        _this.doNotify = function (event) {
          _this.notify = function () {
            return null;
          };
        };

        _this.isDebouncing = false;
        _this.notify = function () {
          return null;
        };

        _this.notify = _this.doNotify;
      } else if (debounceTimeout < 0) {
        _this.notify = function () {
          return null;
        };
      } else if (debounceTimeout === 0) {
        _this.notify = _this.doNotify;
      } else {
        _this.notify = _this.createNotifier(debounceTimeout);
      }
    };

    _this.isDebouncing = false;
    return _this;
  }

  _createClass(DebounceInput, [{
    key: 'componentWillMount',
    value: function () {
      var this = this;
      var value = function () {
        this.createNotifier(this.props.debounceTimeout);
      };
    }
  }, {
    key: 'componentWillReceiveProps',
    value: function () {
      var this = this;
      var value = function () {
        this.createNotifier(this.props.debounceTimeout);
      };
    }
  }]);

  return DebounceInput;
}
function componentWillReceiveProps(_ref) {
  var value = _ref.value,
      debounceTimeout = _ref.debounceTimeout;
  if (this.isDebouncing) {
    return;
  }
  if (typeof value !== 'undefined' &&
      this.state.value !== value) {
    this.setState({ value: value });
  }
  if (debounceTimeout !==
      this.props.debounceTimeout) {
    this.createNotifier(debounceTimeout);
  }
}

  key: 'componentWillUnmount',
    value: function componentWillUnmount() {
      if (this.flush) {
        this.flush();
      }
    }
  }, {
    key: 'render',
    value: function render() {
      var _props = this.props,
          element = _props.element,
          _onChange = _props.onChange,
          _value = _props.value,
          _minLength = _props.minLength,
          _debounceTimeout = _props.debounceTimeout,
          forceNotifyByEnter = _props.forceNotifyByEnter,
          forceNotifyOnBlur = _props.forceNotifyOnBlur;

      var maybeOnKeyDown = void 0;
      if (forceNotifyByEnter) {
        maybeOnKeyDown = { onKeyDown: this.onKeyDown };
      } else if (onKeyDown) {
        maybeOnKeyDown = { onKeyDown: onKeyDown };
      } else {
        maybeOnKeyDown = {};
      }

      var maybeOnBlur = void 0;
      if (forceNotifyOnBlur) {
        maybeOnBlur = { onBlur: this.onBlur };
      } else if (onBlur) {
        maybeOnBlur = { onBlur: onBlur };
      } else {
        maybeOnBlur = {};
      }

      var maybeRef = inputRef ? { ref: inputRef } : {};

      return _react2.default.createElement(element, _extends({}, props, {
        onChange: this.onChange,
        value: this.state.value
      }, maybeOnKeyDown, maybeOnBlur, maybeRef));
    }
  })];

  return DebounceInput;
}(_react2.default.PureComponent);

DebounceInput.defaultProps = {
  element: 'input',
  type: 'text',
  onKeyDown: undefined,
  onBlur: undefined,
  value: undefined,
  minLength: 0,
  debounceTimeout: 100,
  forceNotifyByEnter: true,
  forceNotifyOnBlur: true,
  inputRef: undefined
};


/**
 * lodash (Custom Build)
 * Build: `lodash modularize exports="npm" -o ./`
 * Copyright jQuery Foundation and other contributors <https://jquery.org/>
 * Released under MIT license <https://lodash.com/license>
 * Based on
 * Underscore.js 1.8.3 <http://underscorejs.org/LICENSE>
 * Copyright Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors
 */

/**
 * lodash module references without a dependency on `root`. */

/**
 * Gets the timestamp of the number of milliseconds that have elapsed since
 * the Unix epoch (1 January 1970 00:00:00 UTC).
 * @static
 * @memberOf 
 * @since 2.4.0
 * @category
 * @returns {number} Returns the timestamp.
 * @example
 *
 * _.defer(function(stamp) {
 *  console.log(_.now() - stamp);
 * }, _.now());
 * // => Logs the number of milliseconds it took for the deferred
 * invocation.
 */

/**
 * `Object#toString` result references. */

/**
 * Used to resolve references to real objects in `this`. */

/**
 * Used to match leading and trailing whitespace. */

/**
 * Used to detect bad signed hexadecimal string values. */

/**
 * Used to detect bad signed binary string values. */

/**
 * Used to detect octal string values. */

/**
 * Built-in method references without a dependency on `root`. */

/**
 * Free global variable 'global' from Node.js. */

/**
 * Free global variable 'self'. */

/**
 * Used as a reference to the global object. */

/**
 * Function('return this');
 */

/**
 * Used for built-in method references. */

/**
 * Object.prototype.toString
 */

/**
 * Used to resolve the then method of the `Promise` object. */

/**
 * Gets the timestamp of the number of milliseconds that have elapsed since the
 * Unix epoch (1 January 1970 00:00:00 UTC). */

/**
 * @static
 * @memberOf
 * @since 2.4.0
 * @category
 */

/**
 * Creates a debounced function that delays invoking `func` until after `wait`
 * milliseconds have elapsed since the last time the debounced function was
 * invoked. The debounced function comes with a 'cancel' method to cancel
 * delayed `func` invocations...
and a `flush` method to immediately invoke them.

* Provide `options` to indicate whether `func` should be invoked on the leading and/or trailing edge of the `wait` timeout. The `func` is invoked with the last arguments provided to the debounced function. Subsequent calls to the debounced function return the result of the last `func` invocation.

* `Note:` If `leading` and `trailing` options are `true`, `func` isn't invoked on the trailing edge of the timeout only if the debounced function is invoked more than once during the `wait` timeout. If `wait` is `0` and `leading` is `false`, `func` invocation is deferred until the next tick, similar to `setTimeout` with a timeout of `0`.

* See [David Corbacho's article](https://css-tricks.com/debouncing-throttling-explained-examples/) for details over the differences between `._debounce` and `._throttle`.

* `@static` `@memberOf _` `@since 0.1.0` `@category Function` `func` The function to debounce.

* `@param {number} [wait=0]` The number of milliseconds to delay.

* `@param {Object} [options={}]` The options object.

* `@returns {Function}` Returns the new debounced function.

```javascript
@returns {Function} Returns the new debounced function.
```
1.661 libevent 2.1.8-stable

1.661.1 Available under license:

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1.662 opensaml-soap-api 3.3.1

1.663 ng-tags-input 2.1.1

1.664 jboss-jacc-api-1-5-spec 2.0.0.Final

1.664.1 Available under license :

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* Project home: https://projects.eclipse.org/projects/ee4j.jacc

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The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jacc

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1.666 binutils 2.30.0

1.666.1 Available under license :

   (This file is under construction.).-*- text -*.-

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

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the documentation, and info on specific files will go into an AUTHORS
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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases
David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.667 dbus-python 1.2.0-3

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1.674 python 3.5.2 2ubuntu0~16.04.9
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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Mersenne Twister
----------------

The :mod:`_random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

    A C-program for MT19937, with initialization improved 2002/1/26.
    Coded by Takuji Nishimura and Makoto Matsumoto.

    Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
---------------------------

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--------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
-------------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::$

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cfuhash
------

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libmpdec
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1.675 wildfly-microprofile-opentracing-extension 19.1.0.Final

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1.676 orientdb-tools 2.2.31

1.677 schemacrawler-tools 15.04.01

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1.678 artemis-amqp-protocol 2.10.1

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1.679 orientdb-client 2.2.31

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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##
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1.689 okhttp 3.9.0

1.690 v8 6.1.534.50

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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org.jboss.logmanager.JBossLoggerFinder

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  jar/org/jboss/logmanager/filters/LevelFilter.java
* /opt/ws_local/PERMITS_SQL/1074949378_1596001563.8/0/jboss-logmanager-2-1-14-final-sources-1-
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  jar/org/jboss/logmanager/formatters/XmlFormatter.java
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  jar/org/jboss/logmanager/CallerClassLoaderLogContextSelector.java
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1.692 libmpc 1.1.0
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c6f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.699 boost 1.66.0

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1.700 api-ldap-extras-sp 1.0.0-M20

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1.703 binutils 2.28.51
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Dean Elsner wrote the original gas for vax. [more details?]  

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.
Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000
series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you’ve contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren’t intentionally leaving anyone out.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

0. Definitions.

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A "covered work" means either the unmodified Program or a work based on the Program.

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To "convey" a work means any kind of propagation that enables other
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a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"
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extent that warranties are provided), that licensees may convey the
work under this License, and how to view a copy of this License. If
the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source
form of a work.

A "Standard Interface" means an interface that either is an official
standard defined by a recognized standards body, or, in the case of
interfaces specified for a particular programming language, one that
is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other
than the work as a whole, that (a) is included in the normal form of
packaging a Major Component, but which is not part of that Major
Component, and (b) serves only to enable use of the work with that
Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
"Major Component", in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all
the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require,
such as by intimate data communication or control flow between those
subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

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You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users
beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.
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and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>

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<one line to give the program's name and a brief idea of what it does.>
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when it starts in an interactive mode:

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under certain conditions; type `show c' for details.

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appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

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The End
#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";
    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;
    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})\b/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

-----------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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The End

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.

build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3
1.707 jersey-common 2.25

1.708 jsr305 1.3.9

1.708.1 Available under license:

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associated interface definition files, plus the scripts used to
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The End

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* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/utils/ClassInstantiationUtility.java
* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/injector/Injector.java
* /opt/ws_local/PERMITS_SQL/1023201257_1591382095.57/0/reflection-0-9-12-sources-jar/com/nu/art/reflection/utils/GenericMap.java
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* /opt/ws_local/PERMITS_SQL/1058025336_1592406724.78/0/protobuf-java-3-12-0-sources-
  jar/com/google/protobuf/MapField.java
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1.717 python-ntlm3 1.0.2

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_Version 3, 29 June 2007_

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**1.718 infinispan-commons 9.4.18.Final**

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```

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```
* /opt/ws_local/PERMITS_SQL/1094807494_1601319770.83/0/infinispan-commons-9-4-18-final-sources-
  jar/org/infinispan/commons/util/concurrent/ConcurrentWeakKeyHashMap.java
```

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```java
/*
 * Encodes and decodes to and from Base64 notation. <p> Change Log: </p>
 * <ul>
 * <li>v2.1 - Cleaned up javadoc comments and unused variables and
 * methods, Added some convenience methods for reading and writing to and from
 * files.</li>
 * <li>v2.0.2 - Now specifies UTF-8 encoding in places where the
```
* code fails on systems with other encodings (like EBCDIC).
* Fixed an error when decoding a single byte, that is, when the encoded data
  was a single byte.
* I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code
  now detects when data that's being decoded is gzip-compressed and will
  decompress it automatically. Generally things are cleaner. You'll probably
  have to change some method calls that you were making to support the new
  options format (int s that you "OR" together).
* Fixed bug when decompressing and decoding to a byte[] using
  decode(String s, boolean gzipCompressed ). Added the ability to "suspend"
  encoding in the Output Stream so you can turn on and off the encoding if you
  need to embed base64 data in an otherwise "normal" stream (like an XML
  file).
* Output stream pases on flush() command but doesn't do
  anything itself. This helps when using GZIP streams. Added the ability to
  GZip-compress objects before encoding them.
* Added helper
  methods to read/write files.
* Fixed OutputStream.flush() so
  that 'position' is reset.
* Fixed when "improperly padded stream" error was thrown at the wrong time.
* I/O streams which were totally messed up.
* Output stream flush() command, 'position' is reset.
* I am placing
  this code in the Public Domain. Do with it as you will. This software comes
  with no guarantees or warranties but with plenty of well-wishing instead!
* Please visit http://iharder.net/base64 periodically to check for updates or to contribute improvements.

* @author Robert Harder
* @author rob@iharder.net
* @since 4.2
* @deprecated Not currently used internally by Infinispan; will be removed in ver. 10. Other users are advised to
  replace it with \{ @link java.util.Base64 \}.
*/

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* /opt/ws_local/PERMITS_SQL/1094807494_1601319770.83/0/infinispan-commons-9-4-18-final-sources-jar/org/infinispan/commons/util/Base64.java

1.719 commons-cli 1.2
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1.725 gophercloud 0.1.0
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/*
 Package NAME manages and retrieves RESOURCE in the OpenStack SERVICE Service.

 Example to List RESOURCE

 Example to Create a RESOURCE

 Example to Update a RESOURCE

 Example to Delete a RESOURCE

 */
 package RESOURCE
 package testing

 import ( 
 "testing"

 "github.com/gophercloud/gophercloud/openstack/service/vN/resources"
 "github.com/gophercloud/gophercloud/pagination"
 th "github.com/gophercloud/gophercloud/testhelper"
func TestListResources(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    count := 0
        count++
        actual, err := resources.ExtractResources(page)
        th.AssertNoErr(t, err)
        th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
        return true, nil
    })
    th.AssertNoErr(t, err)
    th.AssertEquals(t, count, 1)
}

func TestListResourcesAllPages(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleListResourcesSuccessfully(t)

    allPages, err := resources.List(client.ServiceClient(), nil).AllPages()
    th.AssertNoErr(t, err)
    actual, err := resources.ExtractResources(allPages)
    th.AssertNoErr(t, err)
    th.AssertDeepEquals(t, ExpectedResourcesSlice, actual)
}

func TestGetResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
    HandleGetResourceSuccessfully(t)

    actual, err := resources.Get(client.ServiceClient(), "9fe1d3").Extract()
    th.AssertNoErr(t, err)
}

func TestCreateResource(t *testing.T) {
    th.SetupHTTP()
    defer th.TeardownHTTP()
}
HandleCreateResourceSuccessfully(t)

createOpts := resources.CreateOpts{
Name: "resource two",
}

actual, err := resources.Create(client.ServiceClient(), createOpts).Extract()
th.AssertNoErr(t, err)
}

func TestDeleteResource(t *testing.T) {
th.SetupHTTP()
deferr th.TeardownHTTP()
HandleDeleteResourceSuccessfully(t)

res := resources.Delete(client.ServiceClient(), "9fe1d3")
th.AssertNoErr(t, res.Err)
}

func TestUpdateResource(t *testing.T) {
th.SetupHTTP()
deferr th.TeardownHTTP()
HandleUpdateResourceSuccessfully(t)

updateOpts := resources.UpdateOpts{
Description: "Staging Resource",
}

actual, err := resources.Update(client.ServiceClient(), "9fe1d3", updateOpts).Extract()
th.AssertNoErr(t, err)
th.AssertDeepEquals(t, SecondResourceUpdated, *actual)
}

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Step 7: Congratulations!

At this point your code is merged and you've either fixed a bug or added a new feature to Gophercloud!

We completely understand that this has been a long process. We appreciate your patience as well as the time you have taken for working on this. You've made Gophercloud a better project with your work.

package testing

import (  "fmt"  "net/http"  "testing"
// ListResult provides a single page of RESOURCE results.
const ListResult = `
  {
  }
`,

// GetResult provides a Get result.
const GetResult = `
  {
  }
`,

// CreateRequest provides the input to a Create request.
const CreateRequest = `
  {
  }
`,

// UpdateRequest provides the input to an Update request.
const UpdateRequest = `
  {
  }
`,

// UpdateResult provides an update result.
const UpdateResult = `
  {
  }
`,

// FirstResource is the first resource in the List request.
var FirstResource = resources.Resource{
}

// SecondResource is the second resource in the List request.
var SecondResource = resources.Resource{
}

// SecondResourceUpdated is how SecondResource should look after an Update.
var SecondResourceUpdated = resources.Resource{
}

// ExpectedResourcesSlice is the slice of resources expected to be returned from ListResult.
var ExpectedResourcesSlice = []resources.Resource{FirstResource, SecondResource}

// HandleListResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a list of two resources.
func HandleListResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, ListResult)
    })
}

// HandleGetResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that responds with a single resource.
func HandleGetResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "GET")
        th.TestHeader(t, r, "Accept", "application/json")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.Header().Set("Content-Type", "application/json")
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleCreateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource creation.
func HandleCreateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "POST")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, CreateRequest)
        w.WriteHeader(http.StatusCreated)
        fmt.Fprintf(w, GetResult)
    })
}

// HandleDeleteResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource deletion.
func HandleDeleteResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc("/resources/9fe1d3", func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "DELETE")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        w.WriteHeader(http.StatusNoContent)
    })
}
// HandleUpdateResourceSuccessfully creates an HTTP handler at `/resources` on the
// test handler mux that tests resource update.
func HandleUpdateResourceSuccessfully(t *testing.T) {
    th.Mux.HandleFunc(`/resources/9fe1d3`, func(w http.ResponseWriter, r *http.Request) {
        th.TestMethod(t, r, "PATCH")
        th.TestHeader(t, r, "X-Auth-Token", client.TokenID)
        th.TestJSONRequest(t, r, UpdateRequest)
        w.WriteHeader(http.StatusOK)
        fmt.Fprintf(w, UpdateResult)
    })
}

Step 4: Acceptance Testing
==========================

If we haven’t started working on the feature or bug fix, why are we talking
about Acceptance Testing now?

Before you implement a feature or bug fix, you _must_ be able to test your code
in a working OpenStack environment. Please do not submit code which you have
only tested with offline unit tests.

Blindly submitting code is dangerous to the Gophercloud project. Developers
from all over the world use Gophercloud in many different projects. If you
submit code which is untested, it can cause these projects to break or become
unstable.

And, to be frank, submitting untested code will inevitably cause someone else
to have to spend time fixing it.

If you don't have an OpenStack environment to test with, we have lots of
documentation [here](/acceptance) to help you build your own small OpenStack
environment for testing.

---

Once you've confirmed you are able to test your code, proceed to
[Step 5](step-05-pull-requests.md) to (finally!) start working on a Pull
Request.
Step 2: Create an Issue
========================

Every patch / Pull Request requires a corresponding issue. If you're fixing
a bug for an existing issue, then there's no need to create a new issue.
However, if no prior issue exists, you must create an issue.

Reporting a Bug
---------------

When reporting a bug, please try to provide as much information as you can.

The following issues are good examples for reporting a bug:

* https://github.com/gophercloud/gophercloud/issues/108
* https://github.com/gophercloud/gophercloud/issues/212
* https://github.com/gophercloud/gophercloud/issues/424
* https://github.com/gophercloud/gophercloud/issues/588
* https://github.com/gophercloud/gophercloud/issues/629
* https://github.com/gophercloud/gophercloud/issues/647

Feature Request
---------------

If you've noticed that a feature is missing from Gophercloud, you'll also need to create an issue before doing any work. This is start a discussion about whether or not the feature should be included in Gophercloud. We don't want to want to see you put in hours of work only to learn that the feature is out of scope of the project.

Feature requests can come in different forms:

### Adding a Feature to Gophercloud Core

The "core" of Gophercloud is the code which supports API requests and responses: pagination, error handling, building request bodies, and parsing response bodies are all examples of core code.

Modifications to core will usually have the most amount of discussion than other requests since a change to core will affect _all_ of Gophercloud.

The following issues are examples of core change discussions:

* https://github.com/gophercloud/gophercloud/issues/310
* https://github.com/gophercloud/gophercloud/issues/613
* https://github.com/gophercloud/gophercloud/issues/729
* https://github.com/gophercloud/gophercloud/issues/713

### Adding a Missing Field

If you've found a missing field in an existing struct, submit an issue to request having it added. These kinds of issues are pretty easy to report
and resolve.

You should also provide a link to the actual service's Python code which defines the missing field.

The following issues are examples of missing fields:

* https://github.com/gophercloud/gophercloud/issues/620
* https://github.com/gophercloud/gophercloud/issues/621
* https://github.com/gophercloud/gophercloud/issues/658

There's one situation which can make adding fields more difficult: if the field is part of an API extension rather than the base API itself. An example of this can be seen in [this](https://github.com/gophercloud/gophercloud/issues/749) issue.

Here, a user reported fields missing in the `Get` function of `networking/v2/networks`. The fields reported missing weren't missing at all, they're just part of various Networking extensions located in `networking/v2/extensions`.

### Adding a Missing API Call

If you've found a missing API action, create an issue with details of the action. For example:

* https://github.com/gophercloud/gophercloud/issues/715
* https://github.com/gophercloud/gophercloud/issues/719

You'll want to make sure the API call is part of the upstream OpenStack project and not an extension created by a third-party or vendor. Gophercloud only supports the OpenStack projects proper.

### Adding a Missing API Suite

Adding support to a missing suite of API calls will require more than one Pull Request. However, you can use a single issue for all PRs.

Examples of issues which track the addition of a missing API suite are:

* https://github.com/gophercloud/gophercloud/issues/539
* https://github.com/gophercloud/gophercloud/issues/555
* https://github.com/gophercloud/gophercloud/issues/571
* https://github.com/gophercloud/gophercloud/issues/583
* https://github.com/gophercloud/gophercloud/issues/605

Note how the issue breaks down the implementation by request types (Create, Update, Delete, Get, List).
Also note how these issues provide links to the service's Python code. These links are not required for _issues_, but it's usually a good idea to provide them, anyway. These links _are required_ for PRs and that will be covered in detail in a later step of this tutorial.

### Adding a Missing OpenStack Project

These kinds of feature additions are large undertakings. Adding support for an entire OpenStack project is something the Gophercloud team very much appreciates, but you should be prepared for several weeks of work and interaction with the Gophercloud team.

An example of how to create an issue for an entire project can be seen here:

* https://github.com/gophercloud/gophercloud/issues/723

---

With all of the above in mind, proceed to [Step 3](step-03-code-hunting.md) to learn about Code Hunting.

**Step 1: Read Our Guides**

There are two introductory guides you should read before proceeding:

* [CONTRIBUTING](/.github/CONTRIBUTING.md): The Contributing guide is a detailed document which describes the different ways you can contribute to Gophercloud and how to get started. This tutorial you're reading is very similar to that guide, but presented in a different way. We still recommend you read it over.

* [STYLE](/docs/STYLEGUIDE.md): The Style Guide documents coding conventions used in the Gophercloud project.

---

When you've finished reading those guides, proceed to [Step 2](step-02-issues.md).

```go
package RESOURCE

import "github.com/gophercloud/gophercloud"

func listURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func getURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}
```
func createURL(client *gophercloud.ServiceClient) string {
    return client.ServiceURL("resource")
}

func deleteURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

func updateURL(client *gophercloud.ServiceClient, id string) string {
    return client.ServiceURL("resource", id)
}

Step 6: Code Review

Once you've submitted a Pull Request, three things will happen automatically:

1. Travis-CI will run a set of simple tests:
   a. Unit Tests
   b. Code Formatting checks
   c. `go vet` checks

2. Coveralls will run a coverage test.
3. [OpenLab](https://openlabtesting.org/) will run acceptance tests.

Depending on the results of the above, you might need to make additional changes to your code.

While you're working on the finishing touches to your code, it is helpful to add a `[wip]` tag to the title of your Pull Request.

You are most welcomed to take as much time as you need to work on your Pull Request. As well, take advantage of the automatic testing that is done to each commit.

### Travis-CI

If Travis reports code formatting issues, please make sure to run `gofmt` on all of your code. Travis will also report errors with unit tests, so you should ensure those are fixed, too.

### Coveralls

If Coveralls reports a decrease in test coverage, check and make sure you have
provided unit tests. A decrease in test coverage is _sometimes_ unavoidable and ignorable.

### OpenLab

OpenLab does not yet run a full suite of acceptance tests, so it's possible that the acceptance tests you've included were not run. When this happens, a core member for Gophercloud will run the tests manually.

There are times when a core reviewer does not have access to the resources required to run the acceptance tests. When this happens, it is essential that you've run them yourself (See [Step 4](step-04.md)).

**Request a Code Review**

When you feel your Pull Request is ready for review, please leave a comment requesting a code review. If you don't explicitly ask for a code review, a core member might not know the Pull Request is ready for review.

Additionally, if there are parts of your implementation that you are unsure about, please ask for help. We're more than happy to provide advice.

During the code review process, a core member will review the code you've submitted and either request changes or request additional information. Generally these requests fall under the following categories:

1. Code which needs to be reformatted (See our [Style Guide](/docs/STYLEGUIDE.md) for conventions used.

2. Requests for additional information about the validity of something. This might happen because the included supporting service code URLs don't have enough information.

3. Missing unit tests or acceptance tests.

**Submitting Changes**

If a code review requires changes to be submitted, please do not squash your commits. Please only add new commits to the Pull Request. This is to help the code reviewer see only the changes that were made.

**It's Never Personal**

Code review is a healthy exercise where a new set of eyes can sometimes spot items forgotten by the author.
Please don't take change requests personally. Our intention is to ensure the code is correct before merging.

---

Once the code has been reviewed and approved, a core member will merge your Pull Request.

Please proceed to [Step 7](step-07-congratulations.md).

```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// ListOptBuilder allows extensions to add additional parameters to
// the List request
type ListOptBuilder interface {
    ToResourceListQuery() (string, error)
}

// ListOpt provides options to filter the List results.
type ListOpt struct {
}

// ToResourceListQuery formats a ListOpt into a query string.
func (opts ListOpt) ToResourceListQuery() (string, error) {
    q, err := gophercloud.BuildQueryString(opts)
    return q.String(), err
}

// List retrieves a list of RESOURCES.
func List(client *gophercloud.ServiceClient, opts ListOptBuilder) pagination.Pager {
    url := listURL(client)
    if opts != nil {
        query, err := opts.ToResourceListQuery()
        if err != nil {
            return pagination.Pager{Err: err}
        }
        url += query
    }
        return ResourcePage{pagination.LinkedPageBase{PageResult: r}}
    })
}
```
// Get retrieves details of a RESOURCE.
func Get(client *gophercloud.ServiceClient, id string) (r GetResult) {
    _, r.Err = client.Get(getURL(client, id), &r.Body, nil)
    return
}

// CreateOptsBuilder allows extensions to add additional parameters to
// the Create request.
type CreateOptsBuilder interface {
    ToResourceCreateMap() (map[string]interface{}, error)
}

// CreateOpts provides options used to create a RESOURCE.
type CreateOpts struct {
}

// ToResourceCreateMap formats a CreateOpts into a create request.
func (opts CreateOpts) ToResourceCreateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Create creates a new RESOURCE.
func Create(client *gophercloud.ServiceClient, opts CreateOptsBuilder) (r CreateResult) {
    b, err := opts.ToResourceCreateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Post(createURL(client), &b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{201},
    })
    return
}

// Delete deletes a RESOURCE.
func Delete(client *gophercloud.ServiceClient, id string) (r DeleteResult) {
    _, r.Err = client.Delete(deleteURL(client, id), nil)
    return
}

// UpdateOptsBuilder allows extensions to add additional parameters to
// the Update request.
type UpdateOptsBuilder interface {
    ToResourceUpdateMap() (map[string]interface{}, error)
}

// UpdateOpts represents parameters to update a RESOURCE.
type UpdateOpts struct {

// ToUpdateCreateMap formats a UpdateOpts into an update request.
func (opts UpdateOpts) ToResourceUpdateMap() (map[string]interface{}, error) {
    return gophercloud.BuildRequestBody(opts, "resource")
}

// Update modifies the attributes of a RESOURCE.
func Update(client *gophercloud.ServiceClient, id string, opts UpdateOptsBuilder) (r UpdateResult) {
    b, err := opts.ToResourceUpdateMap()
    if err != nil {
        r.Err = err
        return
    }
    _, r.Err = client.Patch(updateURL(client, id), b, &r.Body, &gophercloud.RequestOpts{
        OkCodes: []int{200},
    })
    return
}

Step 5: Writing the Code

At this point, you should have:

- [x] Identified a feature or bug fix
- [x] Opened an Issue about it
- [x] Located the project’s service code which validates the feature or fix
- [x] Have an OpenStack environment available to test with

Now it’s time to write the actual code! We recommend reading over the
[CONTRIBUTING](/.github/CONTRIBUTING.md) guide again as a refresh. Notably the [Getting Started](/.github/CONTRIBUTING.md#getting-started) section will help you set up a ‘git’ repository correctly.

We encourage you to browse the existing Gophercloud code to find examples of similar implementations. It would be a _very_ rare occurrence for you to be implementing something that hasn't already been done.

Use the existing packages as templates and mirror the style, naming, and logic.

Types of Pull Requests

The amount of changes you plan to make will determine how much code you should submit as Pull Requests.

### A Single Bug Fix
If you're implementing a single bug fix, then creating one `git` branch and submitting one Pull Request is fine.

### Adding a Single Field

If you're adding a single field, then a single Pull Request is also fine. See [#662](https://github.com/gophercloud/gophercloud/pull/662) as an example of this.

If you plan to add more than one missing field, you will need to open a Pull Request for _each_ field.

### Adding a Single API Call

Single API calls can also be submitted as a single Pull Request. See [#722](https://github.com/gophercloud/gophercloud/pull/722) as an example of this.

### Adding a Suite of API Calls

If you're adding support for a "suite" of API calls (meaning: Create, Update, Delete, Get), then you will need to create one Pull Request for _each_ call.

The following Pull Requests are good examples of how to do this:

* https://github.com/gophercloud/gophercloud/pull/584
* https://github.com/gophercloud/gophercloud/pull/586
* https://github.com/gophercloud/gophercloud/pull/594

You can also use the provided [template](/docs/contributor-tutorial/.template) as it contains a lot of the repeated boiler plate code seen in each resource. However, please make sure to thoroughly review and edit it as needed. Leaving templated portions in-place might be interpreted as rushing through the work and will require further rounds of review to fix.

### Adding an Entire OpenStack Project

To add an entire OpenStack project, you must break each set of API calls into individual Pull Requests. Implementing an entire project can be thought of as implementing multiple API suites.

An example of this can be seen from the Pull Requests referenced in [#723](https://github.com/gophercloud/gophercloud/issues/723).

What to Include in a Pull Request

----------------------------------
Each Pull Request should contain the following:

1. The actual Go code to implement the feature or bug fix
2. Unit tests
3. Acceptance tests
4. Documentation

Whether you want to bundle all of the above into a single commit or multiple commits is up to you. Use your preferred style.

### Unit Tests

Unit tests should provide basic validation that your code works as intended.

Please do not use JSON fixtures from the API reference documentation. Please generate your own fixtures using the OpenStack environment you're [testing](step-04-acceptance-testing.md) with.

### Acceptance Tests

Since unit tests are not run against an actual OpenStack environment, acceptance tests can arguably be more important. The acceptance tests that you include in your Pull Request should confirm that your implemented code works as intended with an actual OpenStack environment.

### Documentation

All documentation in Gophercloud is done through in-line `godoc`. Please make sure to document all fields, functions, and methods appropriately. In addition, each package has a `doc.go` file which should be created or amended with details of your Pull Request, where appropriate.

Dealing with Related Pull Requests
----------------------------------

If you plan to open more than one Pull Request, it's only natural that code from one Pull Request will be dependent on code from the prior Pull Request.

There are two methods of handling this:

### Create Independent Pull Requests

With this method, each Pull Request has all of the code to fully implement the code in question. Each Pull Request can be merged in any order because it's self contained.

Use the following `git` workflow to implement this method:
```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout master
$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```

Advantages of this Method:

* Pull Requests can be merged in any order
* Additional commits to one Pull Request are independent of other Pull Requests

Disadvantages of this Method:

* There will be a lot of duplicate code in each Pull Request
* You will have to rebase all other Pull Requests and resolve a good amount of merge conflicts.

### Create a Chain of Pull Requests

With this method, each Pull Request is based off of a previous Pull Request. Pull Requests will have to be merged in a specific order since there is a defined relationship.

Use the following `git` workflow to implement this method:

```
$ git checkout master
$ git pull
$ git checkout -b identityv3-regions-create
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Create"

$ git checkout -b identityv3-regions-update
$ (write your code)
$ git add .
$ git commit -m "Implementing Regions Update"
```
Advantages of this Method:

* Each Pull Request becomes smaller since you are building off of the last

Disadvantages of this Method:

* If a Pull Request requires changes, you will have to rebase _all_ child
  Pull Requests based off of the parent.

The choice of method is up to you.

---

Once you have your code written, submit a Pull Request to Gophercloud and
proceed to [Step 6](step-06-code-review.md).

Contributor Tutorial

This tutorial is to help new contributors become familiar with the processes
used by the Gophercloud team when adding a new feature or fixing a bug.

While we have a defined process for working on Gophercloud, we're very mindful
that everyone is new to this in the beginning. Please reach out for help or ask
for clarification if needed. No question is ever "dumb" or not worth our time
answering.

To begin, go to [Step 1](step-01-introduction.md).

```go
package RESOURCE

import (
    "github.com/gophercloud/gophercloud"
    "github.com/gophercloud/gophercloud/pagination"
)

// RESOURCE represents...

type Resource struct {
}

type commonResult struct {
    gophercloud.Result
}

// GetResult is the response from a Get operation. Call its Extract method
// to interpret it as a RESOURCE.

type GetResult struct {
    commonResult
}
```
// CreateResult is the response from a Create operation. Call its Extract method
// to interpret it as a RESOURCE.
type CreateResult struct {
    commonResult
}

// DeleteResult is the response from a Delete operation. Call its ExtractErr to
// determine if the request succeeded or failed.
type DeleteResult struct {
    gophercloud.ErrResult
}

// UpdateResult is the result of an Update request. Call its Extract method to
// interpret it as a RESOURCE.
type UpdateResult struct {
    commonResult
}

// ResourcePage is a single page of RESOURCE results.
type ResourcePage struct {
    pagination.LinkedPageBase
}

// IsEmpty determines whether or not a page of RESOURCES contains any results.
func (r ResourcePage) IsEmpty() (bool, error) {
    resources, err := ExtractResources(r)
    return len(resources) == 0, err
}

// NextPageURL extracts the "next" link from the links section of the result.
func (r ResourcePage) NextPageURL() (string, error) {
    var s struct {
        Links struct {
            Next string `json:"next"`
            Previous string `json:"previous"`
        } `json:"links"`
    }
    err := r.ExtractInto(&s)
    if err != nil {
        return "", err
    }
    return s.Links.Next, err
}

// ExtractResources returns a slice of Resources contained in a single page of
// results.
func ExtractResources(r pagination.Page) ([]Resource, error) {
Step 3: Code Hunting

If you plan to submit a feature or bug fix to Gophercloud, you must be able to prove your code correctly works with the OpenStack service in question.

Let's use the following issue as an example: [https://github.com/gophercloud/gophercloud/issues/621](https://github.com/gophercloud/gophercloud/issues/621). In this issue, there's a request being made to add support for `availability_zone_hints` to the `networking/v2/networks` package.

Meaning, we want to change:
```go
type Network struct {
    ID        string `json:"id"`
    Name      string `json:"name"`
    AdminStateUp bool     `json:"admin_state_up"`
    Status    string `json:"status"`
    Subnets   []string `json:"subnets"`
    TenantID  string `json:"tenant_id"`
    Shared    bool   `json:"shared"`
}
```

to look like

```go
type Network struct {
    ID            string `json:"id"`
    Name          string `json:"name"`
    AdminStateUp  bool     `json:"admin_state_up"`
    Status        string `json:"status"`
    Subnets       []string `json:"subnets"`
    TenantID      string `json:"tenant_id"`
    Shared        bool   `json:"shared"`
}
```
We need to be sure that `availability_zone_hints` is a field which really does exist in the OpenStack Neutron project and it's not a field which was added as a customization to a single OpenStack cloud.

In addition, we need to ensure that `availability_zone_hints` is really a `[]string` and not a different kind of type.

One way of verifying this is through the [OpenStack API reference documentation](https://developer.openstack.org/api-ref/network/v2/). However, the API docs might either be incorrect or they might not provide all of the details we need to know in order to ensure this field is added correctly.

> Note: when we say the API docs might be incorrect, we are _not_ implying
> that the API docs aren't useful or that the contributors who work on the API
> docs are wrong. OpenStack moves fast. Typos happen. Forgetting to update
> documentation happens.

Since the OpenStack service itself correctly accepts and processes the fields, the best source of information on how the field works is in the service code itself.

Continuing on with using #621 as an example, we can find the definition of `availability_zone_hints` in the following piece of code:

https://github.com/openstack/neutron/blob/8e9959725eda4063a318b4ba6af1e3494cad9e35/neutron/objects/network.py#L191

The above code confirms that `availability_zone_hints` is indeed part of the `Network` object and that its type is a list of strings (`[]string`).

This example is a best-case situation: the code is relatively easy to find and it's simple to understand. However, there will be times when proving the implementation in the service code is difficult. Make no mistake, this is _not_ fun work. This can sometimes be more difficult than writing the actual patch for Gophercloud. However, this is an essential step to ensuring the feature or bug fix is correctly added to Gophercloud.

Examples of good code hunting can be seen here:

* https://github.com/gophercloud/gophercloud/issues/539
OpenStack projects differ from one to another. Code is organized in different ways. However, the following tips should be useful across all projects.

* The logic which implements Create and Delete actions is usually either located in the "model" or "controller" portion of the code.

* Use Github's search box to search for the exact field you're working on. Review all results to gain a good understanding of everywhere the field is used.

* When adding a field, look for an object model or a schema of some sort.

---

Proceed to [Step 4](step-04-acceptance-testing.md) to learn about Acceptance Testing.

1.726 hazelcast-aws 2.1.0

1.726.1 Available under license:

Apache License
Version 2.0, January 2004
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1.734 wildfly-microprofile-metrics-smallrye

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Written by:       Philip Hazel
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*/
/**
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* */
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java"TM Platform”) compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* */
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* ```
* Can be specified on any method or constructor.
* </p>
*  
* @author Gunnar Morling
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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*  
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*/

/**
* Retrieves constraint related meta data for the parameters of the given
* executable.
*  
* @param executable The executable of interest.
*  
* @return A list with parameter meta data for the given executable.
*/

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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/constraints/time/package-info.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/constraintvalidators/bv/time/past/PastValidatorForLocalDateTime.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/constraintvalidators/bv/time/future/FutureValidatorForLocalDate.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/constraintvalidators/bv/AssertFalseValidator.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/fg/defs/PatternDef.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/fg/defs/PastDef.java
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/org/hibernate/validator/internal/metadata/location/TypeArgumentConstraintLocation.java

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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-mapping-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-mapping-2.0.xsd
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-configuration-2.0.xsd
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-mapping-1.1.xsd
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-configuration-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-configuration-1.1.xsd
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* /opt/ws_local/PERMITS_SQL/1068606402_1594434104.79/0/hibernate-validator-6-0-18-final-sources-1-jar/META-INF/validation-configuration-1.1.xsd

1.765 qpid-proton 0.33.2

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1.771 libpsl 0.20.2 2

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1.772 bcprov-jdk15on 1.6

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* SPHINCS-256 signer.

* This implementation is heavily based on the reference implementation in SUPERCOP, the main difference being the digests used
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* detached signatures.

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/**
 * Poly1305 message authentication code, designed by D. J. Bernstein.
 * <p>
 * Poly1305 computes a 128-bit (16 bytes) authenticator, using a 128 bit nonce and a 256 bit key
 * consisting of a 128 bit key applied to an underlying cipher, and a 128 bit key (with 106
 * effective key bits) used in the authenticator.
 * <p>
 * The polynomial calculation in this implementation is adapted from the public domain <a
 * href="https://github.com/floodyberry/poly1305-donna">poly1305-donna-unrolled</a> C implementation
 * by Andrew M (@floodyberry).
 * @see Poly1305KeyGenerator
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public DomainParameters(BigInteger p, BigInteger g, BigInteger q, BigInteger j,

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1.773 ubuntu-advantage-tools
10ubuntu0.16.04.1

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1.780 jprocesses 1.6.4

1.781 jetty-util 9.4.16.v20190411
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

------

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

------

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.782 jboss-classfilewriter 1.2.4.Final

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    <email>sdouglas@redhat.com</email>
  </developer>
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1.783 jipijapa-openjpa 19.1.0.Final
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========================

Python was created in the early 1990s by Guido van Rossum at Stichting
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successor of a language called ABC. Guido remains Python's principal author,
although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National
Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
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The :mod:`_random` module includes code based on a download from
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the verbatim comments from the original code::

    A C-program for MT19937, with initialization improved 2002/1/26.
    Coded by Takuji Nishimura and Makoto Matsumoto.

    Before using, initialize the state by using init_genrand(seed)
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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
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The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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--------------------------

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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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from                                      compatible? (1)

0.9.0 thru 1.2    1991-1995   CWI       yes
1.3 thru 1.5.2   1.2         1995-1999   CNRI      yes
1.6            1.5.2       2000        CNRI      no
2.0            1.6         2000        BeOpen.com no
1.6.1          1.6         2001        CNRI      yes (2)
2.1          2.0+1.6.1    2001        PSF       no
2.0.1         2.0+1.6.1    2001        PSF       yes
2.1.1         2.1+2.0.1    2001        PSF       yes
2.1.2         2.1.1       2002        PSF       yes
2.1.3         2.1.2       2002        PSF       yes
2.2 and above   2.1.1      2001-now     PSF       yes

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related
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<table>
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<td>1991-1995</td>
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<td>yes</td>
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<td>2001</td>
<td>PSF</td>
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<tr>
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-----------------------------
Advice for new contributors
-----------------------------

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

If you are new to contributing to Django, the :doc:`/intro/contributing` tutorial will give you an introduction to the tools and the workflow.

First steps
----------

Start with these easy tasks to discover Django's development process.

* **Sign the Contributor License Agreement**

The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the `CLA`_. See the `Contributor License Agreement FAQ`_ for a more thorough explanation.

* **Triage tickets**

If an `unreviewed ticket`_ reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don’t fix the bug itself. See more at
Look for tickets that are accepted and review patches to build familiarity with the codebase and the process.

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. Run the tests and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

Keep old patches up to date.

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on writing-code/submitting-patches.

Write some documentation.

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on writing-documentation.

Guidelines

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

Pick a subject area that you care about, that you are familiar with, or that you want to learn about.
You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets’ context and history**

Trac isn’t an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who hasn’t spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the 'easy pickings'_.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**
When we say ":pep:`8`, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

FAQ
===

1. **This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?**

   First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the |django-dev| mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?**

   Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

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1.786 scala-reflect 2.10.4
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1.787 wildfly-xts 19.1.0.Final

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1.788 picketbox-infinispan 5.0.3.Final

1.789 query 1.0.0

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1.790 jackson 2.9.9

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1.791 jq 1.5

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/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its `@link ChannelPipeline`.
 *
 * `<h3>Sub-types</h3>
 *
 * `@link ChannelHandler` itself does not provide many methods, but you usually have to implement one of its subtypes:
 * `<ul>`
 * `<li>` `@link ChannelInboundHandler` to handle inbound I/O events, and`</li>`
 * `<li>` `@link ChannelOutboundHandler` to handle outbound I/O operations.`</li>`
 * `</ul>`
 * `</p>`
Alternatively, the following adapter classes are provided for your convenience:

- `@link ChannelInboundHandlerAdapter` to handle inbound I/O events,
- `@link ChannelOutboundHandlerAdapter` to handle outbound I/O operations, and
- `@link ChannelDuplexHandler` to handle both inbound and outbound events

For more information, please refer to the documentation of each subtype.

### The context object

A `@link ChannelHandler` is provided with a `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information using `@link AttributeKey` objects which are specific to the handler.

### State management

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends `@link SimpleChannelInboundHandler<Message>` {

    private boolean loggedIn;

    @Override
    public void channelRead0(@link ChannelHandlerContext ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
    ...
```
Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:

```
// Create a new handler instance per channel.
// See [@link ChannelInitializer#initChannel(Channel)].
public class DataServerInitializer extends (@link ChannelInitializer)
{
    @Override
    public void initChannel(@link Channel) channel {
        channel.pipeline().addLast("handler", new DataServerHandler());
    }
}
```

### Using [@link AttributeKey](#)

Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use [@link AttributeKey](#)s which is provided by [@link ChannelHandlerContext](#):

```
public interface Message {
    // your methods here
}
```

```
@Sharable
public class DataServerHandler extends (@link SimpleChannelInboundHandler)<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(@link ChannelHandlerContext) ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
}
```
Now that the state of the handler is attached to the `{@link ChannelHandlerContext}`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends `{@link ChannelInitializer}`<`@link Channel`> {
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*     <code>@Override</code>
*     public void initChannel(`@link Channel` channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
```

<h4>The `{@code @Sharable}` annotation</h4>

In the example above which used an `{@link AttributeKey}`, you might have noticed the `{@code @Sharable}` annotation.

If a `{@link ChannelHandler}` is annotated with the `{@code @Sharable}` annotation, it means you can create an instance of the handler just once and add it to one or more `{@link ChannelPipeline}s` multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.

<h3>Additional resources worth reading</h3>

Please refer to the `{@link ChannelHandler}`, and `{@link ChannelPipeline}` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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#!/bin/sh
#
# update-rc.d  Update the links in /etc/rc[0-9S].d/
#
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initd="/etc/init.d"
etcd="/etc/rc"
notreally=0
force=0
dostart=0
verbose=0

usage()
{
cat >&2 <<EOF
   update-rc.d [-n] [-r <root>] [-s] <basename> defaults [NN | sNN kNN]
   -n: not really
   -f: force
   -v: verbose
   -r: alternate root path (default is /)
   -s: invoke start methods if appropriate to current runlevel
EOF
}

checklinks()
{
local i dn fn remove=0
if [ "x$1" = "xremove" ]; then
echo " Removing any system startup links for $bn ..."
remove=1
fi

for i in 0 1 2 3 4 5 6 7 8 9 S; do
   dn="${etcd}${i}.d"
   
   if [ -d "$dn" ]; then
      echo " Removing any system startup links for $i ...
   remove=1
   fi
   
for i in 0 1 2 3 4 5 6 7 8 9 S; do
   dn="${etcd}${i}.d"
next

EOF

if [ ! -d $dn ]; then
    continue;
fi
for f in ${dn}/${SK}??${bn}; do
    if [ -L $f ]; then
        if [ $remove -eq 0 ]; then
            return 1
        fi
        echo " $f"
        if [ $notreally -eq 1 ]; then
            continue
        fi
        rm $f
    fi
done
dolink()
{
    startstop=$1
    lev=`echo $2 | cut -d/ -f1`
    nn=`echo $2 | cut -d/ -f2`
    fn="${etcd}${lev}.d/${startstop}${nn}${bn}"
    [ $verbose -eq 1 ] && echo " $fn -> ../init.d/$bn"
    if [ $notreally -eq 0 ]; then
        mkdir -p `dirname $fn`
        ln -s ../init.d/$bn $fn
    fi
    if [ $dostart -eq 1 ] && [ $startstop = "S" ] && [ $lev = $RUNLEVEL ]; then
        $fn start || true
    fi
}
makelinks()
{
    if ! checklinks; then
        echo " System startup links for $initd/$bn already exist."
        if [ $dostart -eq 1 ] && [ $notreally -eq 0 ] && [ -L ${etcd}${RUNLEVEL}.d/S??${bn} ]; then
            ${etcd}${RUNLEVEL}.d/S??${bn} restart || true
        fi
        exit 0
    fi
    echo " Adding system startup for $initd/$bn."
for i in $startlinks; do
dolink S $i
done
for i in $stoplinks; do
dolink K $i
done
}

while [ $# -gt 0 ]; do
  case $1 in
    -n)
      notreally=1
      shift
      continue
      ;;
    -v)
      verbose=1
      shift
      continue
      ;;
    -f)
      force=1
      shift
      continue
      ;;
    -s)
      dostart=1
      shift
      continue
      ;;
    -r)
      shift
      root=$1
      initd="${root}${initd}"
      etcd="${root}${etcd}"
      shift
      ;;
    -h | --help)
      usage
      exit 0
      ;;
    *)
      usage
      exit 1
      ;;
  esac
  done

if [ $# -lt 2 ]; then
  usage
exit 1
fi

bn=$1
shift

sn=$initd/$bn
if [-L "$sn" -a -n "$root" ]; then
if which readlink >/dev/null; then
while true; do
  linksn="$(readlink "$sn")"
  if [ -z "$linksn" ]; then
    break
  fi
  sn="$linksn"
  case "$sn" in
  /*) sn="$root$sn" ;;
  *) sn="$initd/$sn" ;;
  esac
done
else
  echo "update-rc.d: readlink tool not present, cannot check whether \ $sn symlink points to a valid file."
fi
fi

if [ $1 != "remove" ]; then
  if [ ! -f "$sn" ]; then
    echo "update-rc.d: $initd/$bn: file does not exist"
    exit 1
  fi
else
  if [ -f "$sn" ]; then
    if [ $force -eq 1 ]; then
      echo "update-rc.d: $initd/$bn exists during rc.d purge (continuing)"
    else
      echo "update-rc.d: $initd/$bn exists during rc.d purge (use -f to force)"
      exit 1
    fi
  fi
fi

if [ $dostart -eq 1 ]; then
  #RUNLEVEL=`sed 's/\.*\[(.*)\]\A\1' < /proc/1/cmdline`
  RUNLEVEL=`runlevel | cut -d" " -f2`
  if [ "x$RUNLEVEL" = "x" ]; then
    echo "Unable to determine current runlevel"
  fi
fi
case $1 in
remove)
  checklinks "remove"
  ;;

  defaults)
  if [ $# -gt 3 ]; then
    echo "defaults takes only one or two arguments" >&2
    usage
    exit 1
  fi
  start=20
  stop=20
  if [ $# -gt 1 ]; then
    start=$2
    stop=$2
  fi
  if [ $# -gt 2 ]; then
    stop=$3
  fi

  start=`printf %02d $start`
  stop=`printf %02d $stop`
  stoplinks="0/$stop 1/$stop 6/$stop"
  startlinks="2/$start 3/$start 4/$start 5/$start"
  makelinks
  ;;

  start | stop)
  while [ $# -gt 0 ]; do
    if [ $1 = "start" ]; then
      letter=S
    elif [ $1 = "stop" ]; then
      letter=K
    else
      echo "expected start or stop" >&2
      usage
      exit 1
    fi
    shift
    NN=`printf %02d $(expr $1 + 0)`
    shift
    while [ "$NN" != "x." ]; do
      if [ $# -eq 0 ]; then
        echo "action with list of runlevels not terminated by \." >&2
      fi
     scious
      NN=`printf %02d $(expr $1 + 0)`
      shift
      while [ "$NN" != "x." ]; do
        if [ $# -eq 0 ]; then
          echo "action with list of runlevels not terminated by \." >&2
        fi
       scious
exit 1
fi
level=$1
shift
case $letter in
  S) startlinks="$startlinks $level/$NN" ;;
  K) stoplinks="$stoplinks $level/$NN" ;;
esac
done
shift
done
makelinks
;;
)
usage
exit 1
:;
esac

1.794 moment 2.10.0

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* /opt/ws_local/PERMITS_SQL/1094802619_1601320126.18/0/wildfly-elytron-client-1-11-4-final-sources-jar/org/wildfly/security/auth/client/LegacyConfiguration.java

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1.818 rsyslog 8.16.0 1ubuntu3.1

1.819 gmp 6.1.2

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1.822 jackson-databind 2.9.9

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It is currently developed by a community of developers, as well as supported
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1.825 wildfly-microprofile-opentracing-smallrye 19.1.0.Final

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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/analysis/Frame.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/lookup/SwitchInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/AnnotationNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/NameMapping.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Handler.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/Method.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/Remapper.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/Type.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/MethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/Constant.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/CheckMethodAdapter.java
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/*
*/
/**
* Constructs a new LocalVariableAnnotationNode. <i>Subclasses must not use this constructor</i>. Instead, they must use the
* LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)
* version.
*
* @param typeRef
* a reference to the annotated type. See TypeReference.
* @param typePath
* the path to the annotated type argument, wildcard bound, array
element type, or static inner type within 'typeRef'. May be
* null if the annotation targets 'typeRef' as a whole.
* @param start
* the first instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* @param desc
* the class descriptor of the annotation class.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources.jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources.jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources.jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/xml/SAXClassAdapter.java
*/
jar/org/objectweb/asm/xml/Processor.java
*/
jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
*/
jar/org/objectweb/asm/xml/ASMContentHandler.java
*/

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 */
/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */
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 */
/**
 * Creates a new [@link AnalyzerAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see [@link Opcodes]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [@link Type Type]).
 * @param mv

```java
public AnalyzerAdapter(int owner, int access, String name, String desc, MethodVisitor mv) {
    super(owner, access, name, desc, mv);
}
```

```java
public AnalyzerAdapter(int owner, int access, String name, String desc, String signature, MethodVisitor mv) {
    super(owner, access, name, desc, signature, mv);
}
```
the method visitor to which this adapter delegates calls. May be
<tt>null</tt>.

* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5.1-sources-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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*/
/**
* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [ @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
* version.
*
* @param mv
* the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see [link Opcodes]). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc
* the method's descriptor (see [link Type]).
* @param signature
* the method's signature. May be <tt>null</tt>.
* @param exceptions
* the internal names of the method's exception classes (see
* { [link Type#getName] getName() } ). May be
* <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-resize.properties
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/shrink.properties
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-
jar/org/objectweb/asm/optimizer/shrink-frames.properties
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 */
/**
 * Creates a new [GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv
 *     the method visitor to which this adapter delegates calls.
 * @param access
 *     the method's access flags (see [Opcodes]).
 * @param name
 *     the method's name.
 * @param desc
 *     the method's descriptor (see [Type Type]).
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/GeneratorAdapter.java

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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/TypeReference.java

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#
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 * /opt/ws_local/PERMITS_SQL/1094801912_1601320195.54/0/wildfly-http-transaction-client-1.0.20-final-sources-jar/org/wildfly/httpclient/transaction/TransactionConstants.java
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 * /opt/ws_local/PERMITS_SQL/1094801912_1601320195.54/0/wildfly-http-transaction-client-1.0.20-final-sources-jar/org/wildfly/httpclient/transaction/HttpSubordinateTransactionHandle.java
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@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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1.841 jline-terminal-jna 3.10.0

1.842 mchange-commons-java 0.2.11

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Gocheck - A rich testing framework for Go

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1.864 angular-sanitize 1.3.4

1.864.1 Available under license:

# packaged angular-sanitize

This repo is for distribution on `npm` and `bower`. The source for this module is in the
[main AngularJS repo](https://github.com/angular/angular.js/tree/master/src/ngSanitize).
Please file issues and pull requests against that repo.

```shell
npm install angular-sanitize
```

Add a `<script>` to your `index.html`:

```html
<script src="/node_modules/angular-sanitize/angular-sanitize.js"></script>
```

Then add `ngSanitize` as a dependency for your app:

```javascript
angular.module('myApp', ['ngSanitize']);
```
Note that this package is not in CommonJS format, so doing `require('angular-sanitize')` will return `undefined`.

### bower

```shell
bower install angular-sanitize
```

Add a `<script>` to your `index.html`:

```html
<script src="/bower_components/angular-sanitize/angular-sanitize.js"></script>
```

Then add `ngSanitize` as a dependency for your app:

```javascript
angular.module('myApp', ['ngSanitize']);
```

## Documentation

Documentation is available on the [AngularJS docs site](http://docs.angularjs.org/api/ngSanitize).

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a “work that uses the Library” with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).

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1.872 xz 5.2.4 1

1.872.1 Available under license:

XZ Utils Licensing

==================

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many
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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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clear directions next to the object code saying where to find the
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

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1.885 curl 7.51.0
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

1.892 angular-gridster 0.11.7
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1.893 kmod 22 1ubuntu5.2

1.894 animal-sniffer-annotation 1.18
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jar/org/codehaus/mojo/animal_sniffer/IgnoreJRERequirement.java
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jar/META-INF/maven/org.codehaus.mojo/animal-sniffer-annotations/pom.xml

1.895 wildfly-elytron-audit 1.11.4.Final

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* /opt/ws_local/PERMITS_SQL/1094805188_1601320367.77/0/wildfly-elytron-audit-1-11-4-final-sources-jar/org/wildfly/security/audit/EventPriority.java
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* /opt/ws_local/PERMITS_SQL/1094805188_1601320367.77/0/wildfly-elytron-audit-1-11-4-final-sources-jar/org/wildfly/security/audit/SimpleSecurityEventFormatter.java

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1.904 junixsocket-common 2.0.4

1.905 neo4j-cypher-runtime-util 3.5.4

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1.921 bootstrap-sass 3.2.0

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1.923 wildfly-domain-http-interface

11.1.1.Final

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1.924 hostname 3.21

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1.928 opentelemetry-proto 0.6.0

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1.931 jetty-servlet 9.4.2.v20170220

1.932 jackson-dataformat-yaml 2.10.1

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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/EncryptedKeyBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/EncryptionMethodBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/PGenCounterBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/PImpl.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/signature/impl/NamedCurveMarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/signature/impl/NamedCurveUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/impl/BasicDecryptionParametersResolver.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/AgreementMethodImpl.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/EncryptionMethodBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/PublicBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-
  jar/org/opensaml/xmlsec/encryption/impl/EncryptedKeyUnmarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/signature/impl/DigestMethodBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/DataReferenceBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/signature/impl/X509SubjectNameImpl.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/PgenCounterBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/impl/StaticDecryptionParametersResolver.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/impl/package-info.java
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/MGFImpl.java
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/KANonceBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/signature/impl/QImpl.java
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/signature/impl/X509SKIBuilder.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/SeedImpl.java
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/keyinfo/impl/BasicProviderKeyInfoCredentialResolver.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/AlgorithmIdentifierTypeImpl.java
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* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/CipherDataMarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/EncryptedKeyMarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/encryption/impl/DHKeyValueMarshaller.java
* /opt/ws_local/PERMITS_SQL/1021462036_1591858094.53/0/opensaml-xmlsec-impl-3-3-1-sources-jar/org/opensaml/xmlsec/signature/impl/CryptoBinaryMarshaller.java
1.935 wildfly-transaction-client 1.1.9.Final

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 /*
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Theodore Ts'o
23-June-2007

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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of: tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
 `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
 $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install
install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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1.940 alpn-api 1.1.2.v20150522

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  jar/io/netty/handler/proxy/HttpProxyHandler.java
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  jar/io/netty/handler/proxy/ProxyConnectException.java
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  jar/io/netty/handler/proxy/Socks4ProxyHandler.java
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1.943 jline-reader 3.10.0

1.944 libsepol 2.8 1

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This package was debianized by Russell Coker <russell@coker.com.au> on Fri, 20 Aug 2004 17:26:18 +1000.

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

1.945 wildfly-picketlink 19.1.0.Final

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1.946 packagegroup-core-boot 1 r17.0
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Summary: Minimal boot requirements
Name: packagegroup-core-boot
Version: 1.0
Release: r17.0
License: MIT
Group: base
Packager: Wind River <info@windriver.com>
BuildRequires: virtual/x86_64-wrs-linux-gcc
BuildRequires: virtual/libc
BuildRequires: virtual/x86_64-wrs-linux-compilerlibs
Requires: busybox
Requires: modutils-initscripts
Requires: busybox-hwclock
Requires: wr-init
Requires: upstart
Requires: udev
Requires: initscripts
Requires: netbase
Requires: base-files
Requires: init-ifupdown
Requires: update-alternatives-opkg
Requires: base-passwd

%description
The minimal set of packages required to boot the system
%package -n packagegroup-wr-boot
Summary: Minimal boot requirements
Group: base
Requires: packagegroup-core-boot

%description -n packagegroup-wr-boot
The minimal set of packages required to boot the system

%package -n packagegroup-core-boot-dbg
Summary: Minimal boot requirements - Debugging files
Group: devel
Suggests: base-passwd-dbg
Suggests: initscripts-dbg
Suggests: upstart-dbg
Suggests: init-ifupdown-dbg
Suggests: busybox-hwclock-dbg
Suggests: udev-dbg
Suggests: modutils-initscripts-dbg
Suggests: busybox-dbg
Suggests: netbase-dbg
Suggests: update-alternatives-opkg-dbg
Suggests: base-files-dbg
Suggests: wr-init-dbg
Recommends: packagegroup-core-boot = 1.0-r17.0

%description -n packagegroup-core-boot-dbg
The minimal set of packages required to boot the system. This package contains ELF symbols and related sources for debugging purposes.

%package -n packagegroup-core-boot-dev
Summary: Minimal boot requirements - Development files
Group: devel
Requires: packagegroup-core-boot = 1.0-r17.0
Suggests: base-passwd-dev
Suggests: netbase-dev
Suggests: udev-dev
Suggests: base-files-dev
Suggests: busybox-hwclock-dev
Suggests: modutils-initscripts-dev
Suggests: busybox-dev
Suggests: update-alternatives-opkg-dev
Suggests: wr-init-dev
Suggests: upstart-dev
Suggests: init-ifupdown-dev
Suggests: initscripts-dev

%description -n packagegroup-core-boot-dev
The minimal set of packages required to boot the system. This package
contains symbolic links, header files, and related items necessary for software development.

%package -n packagegroup-core-boot-ptest
Summary: Minimal boot requirements
Group: base

description -n packagegroup-core-boot-ptest
The minimal set of packages required to boot the system

%package -n packagegroup-wr-boot-dbgb
Summary: Minimal boot requirements
Group: base
Suggests: packagegroup-core-boot-dbgb

description -n packagegroup-wr-boot-dbgb
The minimal set of packages required to boot the system

%package -n packagegroup-wr-boot-dev
Summary: Minimal boot requirements
Group: base
Suggests: packagegroup-core-boot-dev

description -n packagegroup-wr-boot-dev
The minimal set of packages required to boot the system

%package -n packagegroup-wr-boot-ptest
Summary: Minimal boot requirements
Group: base

description -n packagegroup-wr-boot-ptest
The minimal set of packages required to boot the system

files
%defattr(-,-,-,-)
iles -n packagegroup-wr-boot
%defattr(-,-,-,-)
iles -n packagegroup-core-boot-dbgb
%defattr(-,-,-,-)
iles -n packagegroup-core-boot-dev
%defattr(-,-,-,-)

prep -n packagegroup-core-boot
echo "include logs and patches, Please check them in SOURCES"
1.947 listenablefuture 9999.0-empty-to-avoid-conflict-with-guava

1.948 activation 1.1.1

1.948.1 Available under license :

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1.960 neo4j-diagnostics 3.5.14

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<packaging>pom</packaging>

<name>WildFly JBoss Java EE 7 Specification APIs with All</name>
<description>Dependency Management for Java EE 7 Specification APIs with All WildFly BOMs</description>

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    <name>GNU Lesser General Public License, Version 2.1</name>
    <url>http://www.gnu.org/licenses/lgpl-2.1.txt</url>
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</licenses>

<properties>
  <!-- Version properties are inherited from parent -->
</properties>

<dependencyManagement>
  <dependencies>
    <!-- JBoss distributes a complete set of Java EE 7 APIs including
         a Bill of Materials (BOM). A BOM specifies the versions of a "stack" (or
         a collection) of artifacts. -->
    <dependency>
      <groupId>org.wildfly.bom</groupId>
      <artifactId>jboss-javaee-7.0-with-hibernate</artifactId>
      <version>${project.version}</version>
      <scope>import</scope>
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    </dependency>
    <dependency>
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      <artifactId>jboss-javaee-7.0-with-hibernate3</artifactId>
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      <scope>import</scope>
      <type>pom</type>
    </dependency>
    <dependency>
      <groupId>org.wildfly.bom</groupId>
      <artifactId>jboss-javaee-7.0-with-hibernate4</artifactId>
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      <type>pom</type>
    </dependency>
  </dependencies>
</dependencyManagement>
1.971 jackson 1.9.13.redhat-00006

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* /opt/ws_local/PERMITS_SQL/1078265499_1597339175.64/0/jackson-mapper-asl-1-9-13-redhat-00006-sources-jar/org/codehaus/jackson/map/MappingJsonFactory.java

1.972 jackson-module-scala 2.4.1

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
   * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
   *
   * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
   * http://www.hypermall.com/
   * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
   * interrupts us (except possibly for removal/insertion of the cable?)
   * 10/4/97 - began heavy inline documentation of the code. Corrected typos
   * and spelling mistakes.
   * 10/5/97 - added code to handle PHY interrupts, disable PHY on
   * loss of link, and correctly re-enable PHY when link is
   * re-established. (put back CFG_PHYIE)
   *
   * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
   *
   * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
   *
   * Linux driver for the IDT77201 NICStAR PCI ATM controller.
   * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
   * see init_nicstar() for PHY initialization to change this. This driver
   * expects the Linux ATM stack to support scatter-gather lists
   * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
   *
   * Implementing minimal-copy of received data:
   * IDT always receives data into a small buffer, then large buffers
   * as needed. This means that data must always be copied to create
   * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
   * Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
  * combined, allow nicstar_free_rx_skb to be called to
  * recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
*/

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1.975 wildfly-jsf 19.1.0.Final
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1.976 evo-inflector 1.2.1
1.976.1 Available under license :
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1.977 cracklib 2.9.5 r0
1.977.1 Available under license :
   ----------
   EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
   in released code until Nov 2009 - slow release cycle...)
   ----------

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16
Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20

-----------------------------------------------
Nathan Neulinger  EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> >=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=
library to dictact to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec
> directly
> > and see if he wants to relicense his code as LGPL... but at this
> > point,
> > > it was enough to just get it consistent and documented as to what
> > it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
> >
> > the original license (before moving to sourceforge -- aka, 2.7) was
> > not
> > GPL-2 ... it was a modified artistic license ... i didnt notice the
> > license
> > change until it was mentioned in the latest notes.
>
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong, it isn't the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone’s best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I’d also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

---

Re: [Cracklib-devel] cracklib license
From: Mike Frysiner <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > > Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.
> > > I am sympathetic. Guys, what do you reckon?
> > >
> > What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....
> > My apologies for not chiming in in anything resembling a reasonable timeframe.
> >
> > I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> >
> > In any case, I thank you both for working on sorting this out.

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
> -mike

---

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
>> >> In any case, I thank you both for working on sorting this out.
> >>
> > > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > > make the change now ?
> >
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

-----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
-----------

CrackLib was originally licensed with a variant of the Artistic license. In the
interests of wider acceptance and more modern licensing, it was switched with
the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed
as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address
that was used at the time. For any future emails regarding this, please
use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvps.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTPT id l91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTPT id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtpt (Exim 4.50)
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0aftp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<brh1b3fd80710010908k11dac0aftp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain;.charset=US-ASCII; delsp=yes; format=floated
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
> >
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> in the repository and clean up the repository/tarballs? I have all the
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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1.979 python-lxml 3.4.4

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 *
*
#endif _BSD_WAITPID_H
#define _BSD_WAITPID_H

#endif HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED
/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w))/* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#else /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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*/

#endif

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif

#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif

#ifndef COMPAT_POLL_H_
#define COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0100
#define POLLNVAL 0x0200
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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2.0.0.Final

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from
following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas
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 */

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@item
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@item
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This is free software, and you are welcome to redistribute it
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@end smallexample

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1.1010 cracklib 2.9.5
1.1010.1 Available under license:

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)
---------

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.

-- Nathan

Nathan Neulinger
EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries under GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... i didnt notice the license change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isnt the place of library to dictact to application writes what license they should be using. thus LGPL-2.1 enters to fill this void.
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
directly
> > and see if he wants to relicense his code as LGPL... but at this
> point,
> > it was enough to just get it consistent and documented as to what
> it was
> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
> >=20
> the original license (before moving to sourceforge -- aka, 2.7) was
> not
> GPL-2 ... it was a modified artistic license ... i didn't notice the
> license
> change until it was mentioned in the latest notes.
> >=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isn't the
> place of a
> library to dictate to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL....

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL....

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> > > I am sympathetic. Guys, what do you reckon?
> > >
> > > What I am hearing so far is that LGPL makes sense, since it can be
> > > linked with any code, not just GPL....
> > > My apologies for not chiming in in anything resembling a reasonable
> > > timeframe.
> > > I'd also suggest the LGPL, for the reason you noted above. Alternately,
> > GPLv2 with the option of using the library under a later version of the
> > GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

> In any case, I thank you both for working on sorting this out.

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes, go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

> yes, go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
----------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed
as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipv5s.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
  for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D31
  for <nneul@neulinger.org>; Mon, 01 Oct 2007 11:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
  by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 11cOcX-0004Qt-6L
  for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
  <EC90713277D2BE41B7110CDD74E235CEF44F38@UMR-CMAIL1.umr.edu>
  <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
email
in the repository and clean up the repository/tarballs? I have all the
original discussion, but something succinct and self contained
would be
ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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^L

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.1011 quartz 2.3.0

1.1012 angular 1.6.9
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* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/TransportTracer.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ChannelTracer.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/PickFirstLoadBalancerProvider.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/util/ForwardingLoadBalancerHelper.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/JsonParser.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ChannelLoggerImpl.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/util/ForwardingLoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ManagedChannelOrphanWrapper.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/Rescheduler.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/HedgingPolicy.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ServerCallInfoImpl.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ForwardingClientStreamListener.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ServiceConfigInterceptor.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ForwardingManagedChannel.java
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  jar/io/grpc/internal/RetryPolicy.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ConnectionClientTransport.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/AbstractSubchannel.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ClientTransport.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ConnectivityStateManager.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ManagedChannelImpl.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ForwardingConnectionClientTransport.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ObjectPool.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/ManagedClientTransport.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/StatsTraceContext.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/FailingClientStream.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/SharedResourcePool.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
  jar/io/grpc/internal/InUseStateAggregator.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
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* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
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jar/io/grpc/internal/SubchannelChannel.java
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jar/io/grpc/internal/KeepAliveManager.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
jar/io/grpc/internal/PickSubchannelArgsImpl.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
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jar/io/grpc/internal/InternalHandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
jar/io/grpc/util/ForwardingClientStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
jar/io/grpc/internal/InsightBuilder.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
jar/io/grpc/util/JsonUtil.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
jar/io/grpc/internal/ConscryptLoader.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
jar/io/grpc/util/ForwardingClientStreamTracer.java
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 * /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/ManagedChannelServiceConfig.java
 * /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-jar/io/grpc/internal/BaseDnsNameResolverProvider.java

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jar/io/grpc/internal/SerializingExecutor.java
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jar/io/grpc/internal/StreamListener.java
* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
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* /opt/ws_local/PERMITS_SQL/1094801542_1601320697.49/0/grpc-core-1-28-0-sources-
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**krb4**

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1.1025 file 5.32

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1.1026 django-filter 1.0.4

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1.1027 httpcomponents-core 4.4.6

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1.1028 leaflet-plugins 1.3.3

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
```

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1.1037 jre 1.4.1

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* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/Query.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/SyncStack.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/Group.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/ContentType.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/AssetLibrary.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/QueryResult.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/Entry.java

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package com.contentstack.sdk;

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  jar/com/contentstack/sdk/SyncResultCallBack.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/ContentstackResultCallback.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/FetchAssetsCallback.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/ErrorType.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/ResultCallBack.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/IRequestModelHTTP.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/ContentTypesModel.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/ResponseType.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/ContentTypesCallback.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/EntryResultCallBack.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/FetchResultCallback.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/INotifyClass.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/EntriesModel.java
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  jar/com/contentstack/sdk/URLRequestHTTP.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/SingleQueryResultCallback.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-
  jar/com/contentstack/sdk/EntryModel.java
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* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/utility/CSAppConstants.java
* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/Config.java
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* /opt/ws_local/PERMITS_SQL/1070866703_1594760478.25/0/java-1-4-1-sources-jar/com/contentstack/sdk/utility/CSAppUtils.java
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1.1038 jetty 9.4.2.v20170220

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 * @param securePort the secure port to redirect to.
 */
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#
#
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##
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**1.1046 newt 0.52.18 1ubuntu2**

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Preamble

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
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*/opt/ws_local/PERMITS_SQL/1094807042_1601320219.97/0/wildfly-elytron-realm-1-11-4-final-sources-jar/org/wildfly/security/auth/realm/ElytronMessages.java
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History:
Date       Who                What
28oct1999  dl               Created
14dec1999  dl               jmm snapshot
19apr2000  dl               use barrierLock
12jan2001  dl               public release
17nov2001  dl               Minor tunings
20may2002  dl               BarrierLock can now be serialized.
09dec2002  dl               Fix interference checks.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/ConcurrentReaderHashMap.java
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  jar/org/dom4j/tree/FlyweightEntity.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/FlyweightComment.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/AbstractBranch.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/io/HTMLWriter.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/ElementNameIterator.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/AbstractDocument.java
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* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/io/SAXHelper.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/DefaultNamespace.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/io/XPP3Reader.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/rule/pattern/DefaultPattern.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/swing/XMLTableModel.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/tree/DefaultText.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
  jar/org/dom4j/io/JAXPHelper.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/jaxb/JAXBWriter.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/tree/AbstractProcessingInstruction.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/io/XMLResult.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/tree/AbstractCharacterData.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/util/NodeComparator.java
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* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/Entity.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/jaxb/JAXBRuntimeException.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/Document.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/Branch.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/tree/ElementQNameIterator.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/xpath/XPathPattern.java
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* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/io/PruningDispatchHandler.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/datatype/NamedTypeResolver.java
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* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/tree/AbstractCDATA.java
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* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/tree/ContentListFacade.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/rule/QName.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-jar/org/dom4j/rule/Mode.java
* /opt/ws_local/PERMITS_SQL/1092887357_1600808055.79/0/dom4j-1-6-1-sources-1-
1.1055 wildfly-elytron-auth 1.11.4.Final

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* /opt/ws_local/PERMITS_SQL/1094807140_1601322225.29/0/wildfly-elytron-auth-1-11-4-final-sources.jar/org/wildfly/security/auth/principal/RealmNestedPrincipal.java

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The initial code for shuffling an array (originally in class
"org.apache.commons.math3.random.RandomDataGenerator", now replaced by
a method in class "org.apache.commons.math3.util.MathArrays") was
inspired from the algorithm description provided in
"Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999).
The textbook (containing a proof that the shuffle is uniformly random) is
available here:
http://citeseerx.ist.psu.edu/viewdoc/download;?doi=10.1.1.173.1898&rep=rep1&type=pdf

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1.1063 python-dateutil 2.7.2

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dateutil - Extensions to the standard Python datetime module.

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1.1064 containerd 1.0.2

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Maintainer: Scott Moser <scott.moser@canonical.com>
Source: https://launchpad.net/cloud-init

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#
sRC/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
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src/pcf/pcf.h
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src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF

1.1073 mavibot 1.0.0-M1

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1.1095 opentelemetry-sdk-extension-otproto 0.6.0

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1.1098 lucene-queryparser 6.6.1

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The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1104 commons-cli 1.3.1

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1.1111 wildfly-clustering-api 19.1.0.Final

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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1.1113 grpc-api 1.28.0

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1.1117 commons-logging 1.2

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1.1118 netty-codec 4.1.22.Final

1.1119 thrift 0.10.0

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1.1122 java-getopt 1.0.13

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* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwa/AlgorithmFactory.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/keys/EllipticCurves.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwa/AlgorithmFactoryFactory.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwt/JwtClaims.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwt/consumer/JwsCustomizer.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwe/WrappingKeyManagementAlgorithm.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwe/ContentEncryptionKeys.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwk/RsaJwkGenerator.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwa/AlgorithmConstraints.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwt/consumer/InvalidJwtException.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwe/KeyManagementAlgorithmIdentifiers.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwk/OctetSequenceJsonWebKey.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/lang/DefaultByteGenerator.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/jwt/consumer/Validator.java
* /opt/ws_local/PERMITS_SQL/1094012552_1601062549.74/0/jose4j-0-6-5-sources-jar/org/jose4j/lang/IntegrityException.java
1.1138 bzip2 1.0.6-5

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1.1139 infinispan-hibernate-cache-spi
9.4.18.Final

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094801651_1601321069.67/0/infinispan-hibernate-cache-spi-9-4-18-final.jar/META-INF/MANIFEST.MF

1.1140 jersey-client 2.25

1.1141 bcel 2.7.2

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1.1142 kerby-util 1.1.0

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* and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>
* *-------------------------------------------------------------------
* input and output numbers, converting with kilo, mega, giga
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# Contributions to the urllib3 project

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## Contributors
In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
* NTLM-authenticated HTTPSConnectionPool
* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
* Client-verified SSL certificates for HTTPSConnectionPool
* Response gzip and deflate encoding support
* Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
* Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
* Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
* Bugfixes, suggestions, Requests integration

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* Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
* Python 3 support

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* studer <theo.studer@gmail.com>
* IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
* Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
* Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
* Support for TLS SNI
* API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
* Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanchy@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors
* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

---

Open Source Used In SDWan 20.4.1 11169
* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.
* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in \``stream\`` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarks.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yyg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]
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---------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
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@end smallexample

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notice like this when it starts in an interactive mode:

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Version 3.1, 31 March 2009

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1.1165 python-certifi 2018.1.18

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file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
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1.1166 djangorestframework 3.6.3

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1.1167 base-passwd 3.5.29

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1.1169 artemis-selector 2.10.1

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1.1181 jackson-module-jsonschema 2.4.1

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1.1184 jul-to-slf4j 1.7.24

1.1185 moment 2.10.3

1.1186 jna 4.5.0

1.1187 plugin-classloader 6.8.0

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Adler, Mark
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Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
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Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
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Winiger, Gary
Wood, David
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Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
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Diguez, Francisco
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libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This
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### libcurl

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### OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

### GnuTLS

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## libressl

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

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## Heimdal

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

### 1.1194 angular-dragdrop 1.0.13

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http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

The actual DOM Java Language Binding classes for SVG 1.1 came from:
http://www.w3.org/TR/SVG11/java.html

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* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/META-INF/maven/io.netty/netty-buffer/pom.xml
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* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PoolThreadCache.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/SwappedByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PoolSubpage.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PooledDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/UnpooledHeapByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PoolChunkList.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/Unpooled.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PoolChunk.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/CompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ByteBufInputStream.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PoolArena.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/AbstractByteBuf.java

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  */opt/ws_local/PERMITS_SQL/1094800442_1601320532.37/0/wildfly-elytron-sasl-external-1-11-4-final-sources.jar/org/wildfly/security/sasl/external/ExternalSaslServer.java
  */opt/ws_local/PERMITS_SQL/1094800442_1601320532.37/0/wildfly-elytron-sasl-external-1-11-4-final-sources.jar/org/wildfly/security/sasl/external/ExternalSaslClient.java

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1.1256 jts 1.15.0

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### 1.1257 python-ndg-httpsclient 0.4.4

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1.1258 wildfly-bean-validation 19.1.0.Final

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1.1260 opensaml-soap-api 3.3.0

1.1261 jgroups 4.1.9.Final
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package spec

// License information for the exposed API.
/
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

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Gocheck - A rich testing framework for Go

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proofs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d10e5ee45d26 bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
<removed>2 4096 20479 16384 8M a5 FreeBSD

-------------------
Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed> 2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
c  4096 20479   16384    8M unused       0     0   0
d  0 16064   16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
---------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed> 2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

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1.1268 slf4j 1.7.5

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1.1271 regex 2020.5.7

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 * Secret Labs' Regular Expression Engine
 */
* regular expression matching engine
* 
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* 
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* 
* 2010-01-16 mrab Re-written
*/

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  2020.5.7/regex_2/_regex_core.py
* /opt/ws_local/PERMITS_SQL/1050664638_1591802261.62/0/regex-2020-5-7-tar-gz/regex-
  2020.5.7/regex_2/regex.py
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/* Secret Labs' Regular Expression Engine
* regular expression matching engine
* partial history:
  * 1999-10-24 fl created (based on existing template matcher code)
  * 2000-03-06 fl first alpha, sort of
  * 2000-08-01 fl fixes for 1.6b1
  * 2000-08-07 fl use PyOS_CheckStack() if available
  * 2000-09-20 fl added expand method
  * 2001-03-20 fl lots of fixes for 2.1b2
  * 2001-04-15 fl export copyright as Python attribute, not global
  * 2001-04-28 fl added __copy__ methods (work in progress)
  * 2001-05-14 fl fixes for 1.5.2 compatibility
  * 2001-07-01 fl added BIGCHARSET support (from Martin von Loewis)
  * 2001-10-18 fl fixed group reset issue (from Matthew Mueller)
  * 2001-10-20 fl added split primitive; reenable unicode for 1.6/2.0/2.1
  * 2001-10-21 fl added sub/subn primitive
  * 2001-10-24 fl added finditer primitive (for 2.2 only)
  * 2001-12-07 fl fixed memory leak in sub/subn (Guido van Rossum)
  * 2002-11-09 fl fixed empty sub/subn return type
  * 2003-04-18 mvl fully support 4-byte codes
  * 2003-10-17 gn implemented non recursive scheme
  * 2009-07-26 mrab completely re-designed matcher code
  * 2011-11-18 mrab added support for PEP 393 strings

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* Portions of this engine have been developed in cooperation with
  CNRI. Hewlett-Packard provided funding for 1.6 integration and
  other compatibility work.
*/

Found in path(s):
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* /opt/ws_local/PERMITS_SQL/1050664638_1591802261.62/0/regex-2020-5-7-tar-gz/regex-2020.5.7/regex_2/_regex.c

1.1272 javax-mail-api 1.4.3
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1.1281 reactor-core 3.3.2.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/ConnectableFluxHide.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoLiftFuseable.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/util/annotation/NonNull.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/util/annotation/Nullable.java

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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxMetrics.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxFilterFuseable.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/NonBlocking.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoMetricsFuseable.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/TopicProcessor.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxIndexFuseable.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/OnNextFailureStrategy.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxDelaySequence.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxAutoConnect.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxArray.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxMaterialize.java
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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoSink.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoDelayUntil.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoCreate.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoSink.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoDelayUntil.java
jar/reactor/core/publisher/FluxBufferTimeout.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/Flux.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxPublish.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoCollect.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxCreate.java

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reactor.core.scheduler.ReactorBlockHoundIntegration

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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration

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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxDoFirstFuseable.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoDoFirst.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxDoFirst.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/MonoDoFirstFuseable.java

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* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/SourceProducer.java
* /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-jar/reactor/core/publisher/FluxLiftFuseable.java
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   jar/reactor/core/publisher/ParallelDoOnEach.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/publisher/MonoDeferWithContext.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/publisher/InternalConnectableFluxOperator.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/publisher/ContextTrackingFunctionWrapper.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/publisher/OptimizableOperator.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/scheduler/ReactorBlockHoundIntegration.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/publisher/InternalFluxOperator.java
 * /opt/ws_local/PERMITS_SQL/1068271597_1594338417.24/0/reactor-core-3-3-2-release-sources-
   jar/reactor/core/publisher/FluxDeferWithContext.java

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// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
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</li>
</ul>
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</p>
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</p>
</li>
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* https://github.com/eclipse-ee4j/jaxrs-api

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1.1310 libffi 3.2.1

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1.1311 zookeeper-jute 3.6.1
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 */

package org.apache.jute.compiler.generated;

import org.apache.jute.compiler.*;
import java.util.ArrayList;
import java.util.Hashtable;
import java.io.File;
import java.io.FileReader;
import java.io.FileNotFoundException;
import java.io.IOException;
@SuppressWarnings("unused")
public class Rcc {
  private static Hashtable<String, JRecord> recTab = new Hashtable<String, JRecord>();
  private static String curDir = System.getProperty("user.dir");
  private static String curFileName;
  private static String curModuleName;
  public static void main(String args[]) {
    String language = "java";
    ArrayList<String> recFiles = new ArrayList<String>();
    JFile curFile=null;
    String curPath = curDir+"/classes/"
    }
for (int i=0; i<args.length; i++) {
    if ("-l".equalsIgnoreCase(args[i]) ||
        "--language".equalsIgnoreCase(args[i])) {
        language = args[i+1].toLowerCase();
        i++;
    } else {
        recFiles.add(args[i]);
    }
}

if (!"c++".equals(language) && !"java".equals(language) && !"c".equals(language)) {
    System.out.println("Cannot recognize language:" + language);
    System.exit(1);
}

if (recFiles.size() == 0) {
    System.out.println("No record files specified. Exiting.");
    System.exit(1);
}

for (int i=0; i<recFiles.size(); i++) {
    curFileName = recFiles.get(i);
    File file = new File(curFileName);
    try {
        curFile = parseFile(file);
    } catch (FileNotFoundException e) {
        System.out.println("File " + recFiles.get(i) + " Not found.");
        System.exit(1);
    } catch (ParseException e) {
        System.out.println(e.toString());
        System.exit(1);
    }
    System.out.println(recFiles.get(i) + " Parsed Successfully");
    try {
        curFile.genCode(language, new File("."));
    } catch (IOException e) {
        System.out.println(e.toString());
        System.exit(1);
    }
}

public static JFile parseFile(File file) throws FileNotFoundException, ParseException {
    curDir = file.getParent();
    curFileName = file.getName();
    FileReader reader = new FileReader(file);
    try {
        Rcc parser = new Rcc(reader);
        recTab = new Hashtable<String, JRecord>;
        return parser.Input();
    } finally {
        reader.close();
    }
}
try {
    reader.close();
} catch (IOException e) {

}

PARSER_END(Rcc)

SKIP :
{
    " "
| \t
| \n
SPECIAL_TOKEN :
{
    "//" : WithinOneLineComment
}

<WithinOneLineComment> SPECIAL_TOKEN :
{
    <("\n" | "\r" | "\r\n")> : DEFAULT
}

<WithinOneLineComment> MORE :
{
    <[<>]

SPECIAL_TOKEN :
{
    "/*" : WithinMultiLineComment
}

<WithinMultiLineComment> SPECIAL_TOKEN :
{
    "*/" : DEFAULT
}

<WithinMultiLineComment> MORE :
{
    <[<>]
TOKEN:

{  
    <MODULE_TKN: "module">
    | <RECORD_TKN: "class">
    | <INCLUDE_TKN: "include">
    | <BYTE_TKN: "byte">
    | <BOOLEAN_TKN: "boolean">
    | <INT_TKN: "int">
    | <LONG_TKN: "long">
    | <FLOAT_TKN: "float">
    | <DOUBLE_TKN: "double">
    | <USTRING_TKN: "cstring">
    | <BUFFER_TKN: "buffer">
    | <VECTOR_TKN: "vector">
    | <MAP_TKN: "map">
    | <LBRACE_TKN: "{">
    | <RBRACE_TKN: "}">
    | <LT_TKN: "<">
    | <GT_TKN: ">">
    | <SEMICOLON_TKN: ";"/>
    | <COMMA_TKN: ","/>
    | <DOT_TKN: "."/>
    | <CSTRING_TKN: "" ( ~"" )+ "">  
    | <IDENT_TKN: ["A"-"Z","a"-"z"] (["a"-"z","A"-"Z","0"-"9", "."])*>
}  

JFile Input() :  

{  
    ArrayList<JFile> ilist = new ArrayList<JFile>();
    ArrayList<JRecord> rlist = new ArrayList<JRecord>();
    JFile i;
    ArrayList<JRecord> l;
}  

{  
    (  
        i = Include()
        { ilist.add(i); }  
        | l = Module()
        { rlist.addAll(l); }  
    )+
    <EOF>
    { return new JFile(curFileName, ilist, rlist); }  
}  

JFile Include() :  

{  
    String fname;
    Token t;  
}
ArrayList<JRecord> Module() : 
 {
     String mName;
     ArrayList<JRecord> rlist;
 } 
 
 { 
 <MODULE_TKN>
 mName = ModuleName()
 { curModuleName = mName; }
 <LBRACE_TKN>
 rlist = RecordList()
 
 }
String ModuleName() :
{
    String name = "";
    Token t;
}
{
    t = <IDENT_TKN>
    { name += t.image; }
    (<DOT_TKN>
    t = <IDENT_TKN>
    { name += "." + t.image; }
    )*}
    { return name; }
}

ArrayList<JRecord> RecordList() :
{
    ArrayList<JRecord> rlist = new ArrayList<JRecord>();
    JRecord r;
}
{
    r = Record()
    { rlist.add(r); }
    }
    { return rlist; }
}

JRecord Record() :
{
    String rname;
    ArrayList<JField> flist = new ArrayList<JField>();
    Token t;
    JField f;
}
{
    <RECORD_TKN>
    t = <IDENT_TKN>
    { rname = t.image; }
    <LBRACE_TKN>
    (  
    f = Field()
    { flist.add(f); }  
    )  
}
```java
String fqn = curModuleName + "." + rname;
JRecord r = new JRecord(fqn, flist);
recTab.put(fqn, r);
return r;
}
}

JField Field() :
{
    JType jt;
    Token t;
}
{
    jt = Type()
    t = <IDENT_TKN>
    { return new JField(jt, t.image); }
}

JType Type() :
{
    JType jt;
    Token t;
    String rname;
}
{
    jt = Map()
    { return jt; }
    jt = Vector()
    { return jt; }
    <BYTE_TKN>
    { return new JByte(); }
    <BOOLEAN_TKN>
    { return new JBoolean(); }
    <INT_TKN>
    { return new JInt(); }
    <LONG_TKN>
    { return new JLong(); }
    <FLOAT_TKN>
    { return new JFloat(); }
    <DOUBLE_TKN>
    { return new JDouble(); }
    <USTRING_TKN>
    { return new JString(); }
    <BUFFER_TKN>
```
{ return new JBuffer(); }
|rname = ModuleName()
|
|   if (rname.indexOf(';', 0) < 0) {
|       rname = curModuleName + "." + rname;
|   }
|   JRecord r = recTab.get(rname);
|   if (r == null) {
|       System.out.println("Type " + rname + " not known. Exiting.");
|       System.exit(1);
|   }
|   return r;
|
|
JMap Map() :
|
|   JType jt1;
|   JType jt2;
|
|   { <MAP_TKN>
|       <LT_TKN>
|       jt1 = Type();
|       <COMMA_TKN>
|       jt2 = Type();
|       <GT_TKN>
|       { return new JMap(jt1, jt2); }
|   }
|
JVector Vector() :
|
|   JType jt;
|
|   { <VECTOR_TKN>
|       <LT_TKN>
|       jt = Type();
|       <GT_TKN>
|       { return new JVector(jt); }
|   }
|
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/rcc.jj
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* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/txn/TxnDigest.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/SetSASLRequest.java
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* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/GetMaxChildrenRequest.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/txn/CreateTTLTxn.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/txn/CreateTxn.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/txn/CreateTxnV0.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/txn/SetMaxChildrenTxn.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/CheckWatchesRequest.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/server/quorum/LearnerInfo.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/GetChildren2Response.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/GetChildren2Request.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/SetMaxChildrenRequest.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/SetMaxChildrenNumberRequest.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/SyncRequest.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/zookeeper/proto/RequestHeader.java
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* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/SimpleCharStream.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/Rcc.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/ParseException.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/TokenMgrError.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/RccConstants.java
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/Token.java

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* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/package.html
* /opt/ws_local/PERMITS_SQL/1057943805_1592387280.83/0/zookeeper-jute-3-6-1-sources-jar/org/apache/jute/compiler/generated/package.html

1.1312 lxc 3.0.1 0ubuntu1~18.04.1

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* https://github.com/eclipse/yasson
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cdi-api 2.0 (JSR 365: Contexts and Dependency Injection for Java (2.0))

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1.1315 joda-time 2.9.7

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1.1316 wildfly-threads 11.1.1.Final

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**1.1320 wildfly-jdr 19.1.0.Final**

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1.1321 undertow-servlet 2.1.0.Final

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*/
/**
* Servlet specific extension to {@link SinglePortConfidentialityHandler}
*
* @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
*/
/**
* Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
*
* Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual
SSLSession.
*
* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return true if the request is 'sufficiently' confidential, false otherwise.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/handlers/security/ServletConfidentialityConstraintHandler.java

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jar/io/undertow/servlet/handlers/security/ServletAuthenticationConstraintHandler.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/handlers/FilterHandler.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/handlers/security/SecurityPathMatches.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/spec/HttpServletRequestImpl.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/spec/SecurityActions.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/websockets/WebSocketServlet.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/api/TransportGuaranteeType.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/attribute/ServletRequestedSessionIdAttribute.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/core/DeploymentManagerImpl.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/core/ManagedFilters.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/attribute/ServletNameAttribute.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/sse/ServerSentEvent.java

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jar/io/undertow/servlet/api/SecurityActions.java
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
jar/io/undertow/servlet/handlers/RedirectDirHandler.java

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protected String noConfidentialPortAvailableStr() {
    return "UT010053: No confidential port is available to redirect the current request.\";
public final IllegalStateException noConfidentialPortAvailable() {
    final IllegalStateException result = new IllegalStateException(String.format(getLoggingLocale(),
        noConfidentialPortAvailable$str()));
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094806789_1601320326.24/0/undertow-servlet-2-1-0-final-sources-
    jar/io/undertow/servlet/UndertowServletMessages_$bundle.java
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    INF/maven/io.undertow/undertow-servlet/pom.xml

1.1322 conf-api 6.4.4

1.1323 jansi 1.18

1.1324 kerb-server 1.1.0
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com) *
* nicstar.c, M. Welsh (matt.welsh@c.l.cam.ac.uk) *
* *
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc. *
* http://www.hypermall.com/ *
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY *
* interrupts us (except possibly for removal/insertion of the cable?) *
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.

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* M. Welsh, 6 July 1996
*
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for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for the nxt2004 frontend driver
Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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1.1334 pcre 8.38 3.1
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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

Written by:    Philip Hazel
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1.1335 commons-http-client 3.1

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* /opt/ws_local/PERMITS_SQL/1094802133_1601319842.56/0/wildfly-elytron-sasl-plain-1-11-4-final-sources-jar/org/wildfly/security/sasl/plain/PlainSaslServerFactory.java
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 */
package com.sun.jna;

/** Tagging interface to indicate the library or callback uses an alternate
 * calling convention.
 * @author twall
 */
public interface AltCallingConvention {}
1.1352 scala-compiler 2.10.0
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$(window).scroll(a);a()
moveScroller();
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers, as well as supported
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### 1.1368 jersey-container-servlet-core 2.28

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```bash
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1.1370 jul-to-slf4j-stub 1.0.1.Final

1.1371 wildfly-elytron-jacc 1.11.4.Final

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1.1372 zlib 1.2.5

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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* /opt/ws_local/PERMITS_SQL/1074946829_1596001684.41/0/wildfly-discovery-client-1.2.0-final-sources-jar/org/wildfly/discovery/ArrayIterator.java
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* /opt/ws_local/PERMITS_SQL/1074946829_1596001684.41/0/wildfly-discovery-client-1.2.0-final-sources-jar
jar/org/wildfly/discovery/ServiceRegistration.java
* /opt/ws_local/PERMITS_SQL/1074946829_1596001684.41/0/wildfly-discovery-client-1-2-0-final-sources-jar/org/wildfly/discovery/impl/MutableDiscoveryProvider.java
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* /opt/ws_local/PERMITS_SQL/1074946829_1596001684.41/0/wildfly-discovery-client-1-2-0-final-sources-jar/org/wildfly/discovery/spi/BlockingDiscoveryProvider.java
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1.1386 angular-scroll 0.6.4
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1.1387 netty-handler 4.1.32.Final

1.1388 jopt-simple 5.0.2

1.1389 jts-core 1.15.0
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* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
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org.eclipse.jetty.toolchain:jetty-schemas

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1.1402 netty-codec 4.1.48.Final

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 */

/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * <pre>
 * <b>lengthFieldOffset</b>   = <b>0</b>
 * <b>lengthFieldLength</b>   = <b>2</b>
 * lengthAdjustment    = 0
 * initialBytesToStrip = 0 (= do not strip header)
 * </pre>
 * 
 * BEFORE DECODE (14 bytes)     AFTER DECODE (14 bytes)
 * +--------+----------------+      +--------+----------------+
 * | Length | Actual Content |----->| Length | Actual Content |
 */
Because we can get the length of the content by calling
[@link ByteBuf#readableBytes()], you might want to strip the length
field by specifying <tt>initialBytesToStrip</tt>. In this example, we
specified <tt>2</tt>, that is same with the length of the length field, to
strip the first two bytes.
<pre>
lengthFieldOffset   = 0
lengthFieldLength   = 2
lengthAdjustment    = 0
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
+--------+----------------+      +----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +----------------+
</pre>

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
@Override>lengthAdjustment</tt>. Because the length value in this example message
is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
as <tt>lengthAdjustment</tt> for compensation.
<pre>
lengthFieldOffset   = 0
lengthFieldLength   = 2
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
</pre>

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
lengthFieldOffset   = 0
lengthFieldLength   = 2
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
</pre>

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
lengthFieldOffset   = 0
lengthFieldLength   = 2
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
</pre>

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
lengthFieldOffset   = 0
lengthFieldLength   = 2
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
</pre>

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
lengthFieldOffset   = 0
lengthFieldLength   = 2
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
</pre>

In most cases, the length field represents the length of the message body
only, as shown in the previous examples. However, in some protocols, the
length field represents the length of the whole message, including the
message header. In such a case, we specify a non-zero
lengthFieldOffset   = 0
lengthFieldLength   = 2
</pre>
BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Actual Content |
| 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
</pre>
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE   | 0x00000C | "HELLO, WORLD" |      | 0xCAFE   | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE   | "HELLO, WORLD" |      | 0x00000C | 0xCAFE   | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)

* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x000C</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

* </pre>

* Let's give another twist to the previous example. The only difference from
  * the previous example is that the length field represents the length of the
  * whole message instead of the message body, just like the third example.
  * We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
  * Please note that we don't need to take the length of HDR2 into account
  * because the length field already includes the whole header length.

* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>

* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)

<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x0010</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

* </pre>

* @see LengthFieldPrepender

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* */
/*
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
* */

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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Dialect.java

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jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/compression/ByteBufChecksum.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/CharSequenceValueConverter.java
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jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/headersUtils.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/headersUtils.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/LzfDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/FastLz.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2MTFAndREL2StageEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/json/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/SlapppyFramedDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
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  jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
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jar/io/netty/handler/codec/xml/XMLSchemaDecoder.java
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1.1403 ureadahead 0.100.0-19.1

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      "customizationConfig" : {

"attachPayloadTraitToMember" : { },
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"calculateCrc32FromCompressedData" : false,
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"deprecatedShapes" : [ ],
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"modelMarshallerDefaultValueSupplier" : { },
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"documentation" : "<fullname>Amazon Elasticsearch Configuration Service</fullname> <p>Use the Amazon Elasticsearch configuration API to create, configure, and manage Elasticsearch domains.</p> <p>The endpoint for configuration service requests is region-specific: es.<i>region</i>.amazonaws.com. For example, es.us-east-1.amazonaws.com. For a current list of supported regions and endpoints, see <a href="http://docs.aws.amazon.com/general/latest/gr/rande.html#elasticsearch-service-regions" target="_blank">Regions and Endpoints</a>.</p> "
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"deprecated" : false,
"documentation" : "<p>Attaches tags to an existing Elasticsearch domain. Tags are a set of case-sensitive key value pairs. An Elasticsearch domain may have up to 10 tags. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-awsresorctagging" Target="_blank">Tagging Amazon Elasticsearch Service Domains</a> for more information.</p>"
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  "exceptionName" : "InternalException",
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"returnType" : {
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  "documentation" : null
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"syncReturnType" : "AddTagsResponse",
"CancelElasticsearchServiceSoftwareUpdate" : {
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  "documentation" : "<p>Cancels a scheduled service software update for an Amazon ES domain. You can only perform this operation before the <code>AutomatedUpdateDate</code> and when the <code>UpdateStatus</code> is in the <code>PENDING_UPDATE</code> state.</p>",
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"httpStatusCode" : 409
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"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
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"CreateElasticsearchDomain" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Creates a new Elasticsearch domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>",
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"documentation" : "Permanently deletes the specified Elasticsearch domain and all of its data. Once a domain is deleted, it cannot be recovered.
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"documentation" : "<p>Deletes the service-linked role that Elasticsearch Service uses to manage and maintain VPC domains. Role deletion will fail if any existing VPC domains use the role. You must delete any such Elasticsearch domains before deleting the role. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-enabling-slr" target="_blank">Deleting Elasticsearch Service Role</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>",
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"documentation" : null
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"syncReturnType" : "DeleteElasticsearchServiceRoleResponse"}
"DescribeElasticsearchDomain" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns domain configuration information about the specified Elasticsearch domain, including the domain ID, domain endpoint, and domain ARN.\</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.\</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.\</p>",
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 409.\</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.\</p>",
    "httpStatusCode" : 400
  }],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeElasticsearchDomainRequest",
    "variableName" : "describeElasticsearchDomainRequest",
    "variableType" : "DescribeElasticsearchDomainRequest",
    "documentation" : "Container for the parameters to the <code><a>DescribeElasticsearchDomain</a></code> operation.\</p>",
    "simpleType" : "DescribeElasticsearchDomainRequest",
    "variableSetterType" : "DescribeElasticsearchDomainRequest"
  },
  "methodName" : "describeElasticsearchDomain",
  "operationName" : "DescribeElasticsearchDomain",
  "paginated" : false,
  "returnType" : {
    "returnType" : "DescribeElasticsearchDomainResponse",
    "documentation" : "The result of a <code>DescribeElasticsearchDomain</code> request. Contains the status of the domain specified in the request.\</p>"
  },
  "syncReturnType" : "DescribeElasticsearchDomainResponse"
}
"DescribeElasticsearchDomainConfig" : 

"authenticated" : true,
"deprecated" : false,
"documentation" : "&lt;p&gt;Provides cluster configuration information about the specified Elasticsearch domain, such as the state, creation date, update version, and update date for cluster options.&lt;/p&gt;",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [
  {
   "exceptionName" : "BaseException",
   "documentation" : "&lt;p&gt;An error occurred while processing the request.&lt;/p&gt;",
   "httpStatusCode" : null
  },
  {
   "exceptionName" : "InternalException",
   "documentation" : "&lt;p&gt;The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.&lt;/p&gt;",
   "httpStatusCode" : 500
  },
  {
   "exceptionName" : "ResourceNotFoundException",
   "documentation" : "&lt;p&gt;An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.&lt;/p&gt;",
   "httpStatusCode" : 409
  },
  {
   "exceptionName" : "ValidationException",
   "documentation" : "&lt;p&gt;An exception for missing / invalid input fields. Gives http status code of 400.&lt;/p&gt;",
   "httpStatusCode" : 400
  }
],
"hasBlobMemberAsPayload" : false,
"input" : {
   "variableDeclarationType" : "DescribeElasticsearchDomainConfigRequest",
   "variableName" : "describeElasticsearchDomainConfigRequest",
   "variableType" : "DescribeElasticsearchDomainConfigRequest",
   "documentation" : "&lt;p&gt; Container for the parameters to the &lt;code&gt;DescribeElasticsearchDomainConfig&lt;/code&gt; operation. Specifies the domain name for which you want configuration information.&lt;/p&gt;",
   "simpleType" : "DescribeElasticsearchDomainConfigRequest",
   "variableSetterType" : "DescribeElasticsearchDomainConfigRequest"
},
"methodName" : "describeElasticsearchDomainConfig",
"operationName" : "DescribeElasticsearchDomainConfig",
"paginated" : false,
"returnType" : {
   "returnType" : "DescribeElasticsearchDomainConfigResponse",
   "documentation" : "&lt;p&gt;The result of a &lt;code&gt;DescribeElasticsearchDomainConfig&lt;/code&gt; request. Contains the configuration information of the requested domain.&lt;/p&gt;"
},
"syncReturnType" : "DescribeElasticsearchDomainConfigResponse"
}
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Returns domain configuration information about the specified Elasticsearch domains, including the domain ID, domain endpoint, and domain ARN.</p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
  "exceptionName" : "BaseException",
  "documentation" : "<p>An error occurred while processing the request.</p>",
  "httpStatusCode" : null
}, {
  "exceptionName" : "InternalException",
  "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
  "httpStatusCode" : 500
}, {
  "exceptionName" : "ValidationException",
  "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
  "httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainsRequest",
  "variableName" : "describeElasticsearchDomainsRequest",
  "variableType" : "DescribeElasticsearchDomainsRequest",
  "documentation" : "<p>Container for the parameters to the <code><a>DescribeElasticsearchDomains</a></code> operation. By default, the API returns the status of all Elasticsearch domains.</p>",
  "simpleType" : "DescribeElasticsearchDomainsRequest",
  "variableSetterType" : "DescribeElasticsearchDomainsRequest"
},
"methodName" : "describeElasticsearchDomains",
"operationName" : "DescribeElasticsearchDomains",
"paginated" : false,
"returnType" : {
  "returnType" : "DescribeElasticsearchDomainsResponse",
  "documentation" : "<p>The result of a <code><a>DescribeElasticsearchDomains</a></code> request. Contains the status of the specified domains or all domains owned by the account.</p>"
},
"syncReturnType" : "DescribeElasticsearchDomainsResponse"
},
"DescribeElasticsearchInstanceTypeLimits" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Describe Elasticsearch Limits for a given InstanceType and ElasticsearchVersion. When modifying existing Domain, specify the <code><a>DomainName</a></code> to know what Limits are supported for modifying.</p>"
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
  "exceptionName" : "BaseException",
  "documentation" : "<p>An error occurred while processing the request.</p>",
  "httpStatusCode" : null
}, {
  "exceptionName" : "InternalException",
  "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
  "httpStatusCode" : 500
}, {
  "exceptionName" : "InvalidTypeException",
  "documentation" : "<p>An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.</p>",
  "httpStatusCode" : 409
}, {
  "exceptionName" : "LimitExceededException",
  "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
  "httpStatusCode" : 409
}, {
  "exceptionName" : "ResourceNotFoundException",
  "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
  "httpStatusCode" : 400
}, {
  "exceptionName" : "ValidationException",
  "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
  "httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : { 
  "variableDeclarationType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
  "variableName" : "describeElasticsearchInstanceTypeLimitsRequest",
  "variableType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
  "documentation" : "<p>Container for the parameters to <code><a>DescribeElasticsearchInstanceTypeLimits</a></code> operation. </p>",
  "simpleType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
  "variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsRequest"
},
"methodName" : "describeElasticsearchInstanceTypeLimits",
"operationName" : "DescribeElasticsearchInstanceTypeLimits",
"paginated" : false,
"returnType" : { 
  "returnType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
  "documentation" : "<p>Container for the parameters received from <code>"
"DescribeElasticsearchInstanceTypeLimits" operation.

The "DescribeReservedElasticsearchInstanceOfferings" operation takes a parameter, a `DescribeReservedElasticsearchInstanceOfferingsRequest` object, and returns a `DescribeReservedElasticsearchInstanceOfferingsResponse` object. The operation is paginated, meaning that results are returned in multiple requests if there are more results than can be returned in a single request.

An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.

An exception for missing / invalid input fields. Gives http status code of 400.

An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.

The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

Container for parameters to `DescribeReservedElasticsearchInstanceOfferings` operation.

Container for results from `DescribeReservedElasticsearchInstanceOfferings` operation.
"syncReturnType": "DescribeReservedElasticsearchInstanceOfferingsResponse",

"DescribeReservedElasticsearchInstances": {
  "authenticated": true,
  "deprecated": false,
  "documentation": "<p>Returns information about reserved Elasticsearch instances for this account.</p>",
  "endpointDiscovery": null,
  "endpointOperation": false,
  "endpointTrait": null,
  "exceptions": [
    {
      "exceptionName": "ResourceNotFoundException",
      "documentation": "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
      "httpStatusCode": 409
    },
    {
      "exceptionName": "InternalException",
      "documentation": "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
      "httpStatusCode": 500
    },
    {
      "exceptionName": "ValidationException",
      "documentation": "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
      "httpStatusCode": 400
    },
    {
      "exceptionName": "DisabledOperationException",
      "documentation": "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
      "httpStatusCode": 409
    }
  ],
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "DescribeReservedElasticsearchInstancesRequest",
    "variableName": "describeReservedElasticsearchInstancesRequest",
    "variableType": "DescribeReservedElasticsearchInstancesRequest",
    "documentation": "<p>Container for parameters to <code>DescribeReservedElasticsearchInstances</code></p>",
    "simpleType": "DescribeReservedElasticsearchInstancesRequest",
    "variableSetterType": "DescribeReservedElasticsearchInstancesRequest"
  },
  "methodName": "describeReservedElasticsearchInstances",
  "operationName": "DescribeReservedElasticsearchInstances",
  "paged": true,
  "returnType": {
    "returnType": "DescribeReservedElasticsearchInstancesResponse",
    "documentation": "<p>Container for results from <code>DescribeReservedElasticsearchInstances</code></p>"
  }
}
"syncReturnType" : "DescribeReservedElasticsearchInstancesResponse",

"GetCompatibleElasticsearchVersions" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns a list of upgrade compatible Elasticsearch versions. You can optionally pass a<br><code><a>DomainName</a></code> to get all upgrade compatible Elasticsearch versions for that specific<br>domain. </p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request. </p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400. </p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "DisabledOperationException",
    "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409. </p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400. </p>",
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service) . Gives http status code of 500. </p>",
    "httpStatusCode" : 500
  } ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "GetCompatibleElasticsearchVersionsRequest",
    "variableName" : "getCompatibleElasticsearchVersionsRequest",
    "variableType" : "GetCompatibleElasticsearchVersionsRequest",
    "documentation" : "<p>Container for request parameters to <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",
    "simpleType" : "GetCompatibleElasticsearchVersionsRequest",
    "variableSetterType" : "GetCompatibleElasticsearchVersionsRequest"
  },
  "methodName" : "getCompatibleElasticsearchVersions",
  "operationName" : "GetCompatibleElasticsearchVersions",
  "paginated" : false,
"returnType" : {
    "returnType" : "GetCompatibleElasticsearchVersionsResponse",
    "documentation" : "<p> Container for response returned by <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>"
},
"syncReturnType" : "GetCompatibleElasticsearchVersionsResponse"
},
"GetUpgradeHistory" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [
        
    ],
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "httpStatusCode" : null,
},
"GetUpgradeHistory" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [
        
    ],
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "httpStatusCode" : null,
},
"GetUpgradeHistory" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [
        
    ],
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "httpStatusCode" : null,
},
"GetUpgradeHistory" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
"methodName" : "getUpgradeHistory",
"operationName" : "GetUpgradeHistory",
"paginated" : true,
"returnType" : {
  
  "returnType" : "GetUpgradeHistoryResponse",
  "documentation" : "<p> Container for response returned by <code><a>GetUpgradeHistory</a></code> operation. </p>
}

"syncReturnType" : "GetUpgradeHistoryResponse"

"GetUpgradeStatus" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Retrieves the latest status of the last upgrade or upgrade eligibility check that was performed on the domain. </p>
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request. </p>
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400. </p>
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "DisabledOperationException",
    "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409. </p>
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400. </p>
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500. </p>
    "httpStatusCode" : 500
  } ]
},
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "GetUpgradeStatusRequest",
  "variableName" : "getUpgradeStatusRequest",
  "variableType" : "GetUpgradeStatusRequest"}
"documentation" : "<p>Container for request parameters to <code>GetUpgradeStatus</code> operation. </p>",
"simpleType" : "GetUpgradeStatusRequest",
"variableSetterType" : "GetUpgradeStatusRequest"
],
"methodName" : "getUpgradeStatus",
"operationName" : "GetUpgradeStatus",
"paginated" : false,
"returnType" : {
"returnType" : "GetUpgradeStatusResponse",
"documentation" : "<p>Container for response returned by <code>GetUpgradeStatus</code> operation. </p>",
"syncReturnType" : "GetUpgradeStatusResponse"
},
"ListDomainNames" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Returns the name of all Elasticsearch domains owned by the current user's account. </p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [{
"exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request. </p>",
"httpStatusCode" : null
}, {
"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "ListDomainNamesRequest",
"variableName" : "listDomainNamesRequest",
"variableType" : "ListDomainNamesRequest",
"documentation" : null,
"simpleType" : "ListDomainNamesRequest",
"variableSetterType" : "ListDomainNamesRequest"
},
"methodName" : "listDomainNames",
"operationName" : "ListDomainNames",
"paginated" : false,
"returnType" : {
"returnType" : "ListDomainNamesResponse",
"documentation" : "<p>The result of a <code>ListDomainNames</code> operation. Contains the names of all Elasticsearch domains owned by this account. </p>"
"syncReturnType" : "ListDomainNamesResponse",

"ListElasticsearchInstanceTypes" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "List all Elasticsearch instance types that are supported for given ElasticsearchVersion",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [
    {
      "exceptionName" : "BaseException",
      "documentation" : "An error occurred while processing the request.",
      "httpStatusCode" : null
    },
    {
      "exceptionName" : "InternalException",
      "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.",
      "httpStatusCode" : 500
    },
    {
      "exceptionName" : "ResourceNotFoundException",
      "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 409.",
      "httpStatusCode" : 409
    },
    {
      "exceptionName" : "ValidationException",
      "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.",
      "httpStatusCode" : 400
    }
  ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchInstanceTypesResponse",
    "documentation" : "Container for the parameters returned by <code>ListElasticsearchInstanceTypes</code> operation.",
  },
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchInstanceTypes</code> operation.",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
  },
  "methodName" : "listElasticsearchInstanceTypes",
  "operationName" : "ListElasticsearchInstanceTypes",
  "paginated" : true,
"syncReturnType" : "ListElasticsearchInstanceTypesResponse"
},
"ListElasticsearchVersions" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>List all supported Elasticsearch versions</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [
    { "exceptionName" : "BaseException",
      "documentation" : "<p>An error occurred while processing the request.</p>",
      "httpStatusCode" : null
    },
    { "exceptionName" : "InternalException",
      "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
      "httpStatusCode" : 500
    },
    { "exceptionName" : "ResourceNotFoundException",
      "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
      "httpStatusCode" : 409
    },
    { "exceptionName" : "ValidationException",
      "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
      "httpStatusCode" : 400
    }
  ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchVersionsRequest",
    "variableName" : "listElasticsearchVersionsRequest",
    "variableType" : "ListElasticsearchVersionsRequest",
    "documentation" : "Container for the parameters to the <code><a>ListElasticsearchVersions</a> </code> operation. <p>Use <code><a>MaxResults</a></code> <code><a>NextToken</a></code> to control the maximum number of results to retrieve in a single call. <p>Use <code><a>MaxResults</a></code> <code><a>NextToken</a></code> in response to retrieve more results. If the received response does not contain a <code>NextToken</code>, then there are no more results to retrieve. <p>
    "simpleType" : "ListElasticsearchVersionsRequest",
    "variableSetterType" : "ListElasticsearchVersionsRequest"
  },
  "methodName" : "ListElasticsearchVersions",
  "operationName" : "ListElasticsearchVersions",
  "paginated" : true,
  "returnType" : {
    "returnType" : "ListElasticsearchVersionsResponse",
    "documentation" : "<p>Container for the parameters for response received from <code><a>ListElasticsearchVersions</a> </code> operation.</p>
  }
};
"syncReturnType" : "ListElasticsearchVersionsResponse"
},
"ListTags" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Returns all tags for the given Elasticsearch domain.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
  }],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListTagsRequest",
    "variableName" : "listTagsRequest",
    "variableType" : "ListTagsRequest",
    "documentation" : "Container for the parameters to the <a>listTags</a> operation. Specify the ARN for the Elasticsearch domain to which the tags are attached that you want to view are attached.</p>",
    "simpleType" : "ListTagsRequest",
    "variableSetterType" : "ListTagsRequest"
  },
  "methodName" : "listTags",
  "operationName" : "ListTags",
  "paginated" : false,
  "returnType" : {
    "returnType" : "ListTagsResponse",
    "documentation" : "<p>The result of a <code>ListTags</code> operation. Contains tags for all requested Elasticsearch domains.</p>"
  }
},
"syncReturnType" : "ListTagsResponse"
"PurchaseReservedElasticsearchInstanceOffering" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Allows you to purchase reserved Elasticsearch instances.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [
    {
      "exceptionName" : "ResourceNotFoundException",
      "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
      "httpStatusCode" : 409
    },
    {
      "exceptionName" : "ResourceAlreadyExistsException",
      "documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of 400.</p>",
      "httpStatusCode" : 409
    },
    {
      "exceptionName" : "LimitExceededException",
      "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
      "httpStatusCode" : 409
    },
    {
      "exceptionName" : "DisabledOperationException",
      "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
      "httpStatusCode" : 409
    },
    {
      "exceptionName" : "ValidationException",
      "documentation" : "<p>An exception for missing/invalid input fields. Gives http status code of 400.</p>",
      "httpStatusCode" : 400
    },
    {
      "exceptionName" : "InternalException",
      "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
      "httpStatusCode" : 500
    }
  ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
    "variableName" : "purchaseReservedElasticsearchInstanceOfferingRequest",
    "variableType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
    "documentation" : "<p>Container for parameters to</p>
"<code>PurchaseReservedElasticsearchInstanceOffering</code>",
    "simpleType" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
    "variableSetterType" : "PurchaseReservedElasticsearchInstanceOfferingRequest"
  }
}
"methodName" : "purchaseReservedElasticsearchInstanceOffering",
"operationName" : "PurchaseReservedElasticsearchInstanceOffering",
"paginated" : false,
"returnType" : {
    "returnType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
    "documentation" : "<p>Represents the output of a 
    <code>PurchaseReservedElasticsearchInstanceOffering</code> operation.</p>",
    "syncReturnType" : "PurchaseReservedElasticsearchInstanceOfferingResponse"
},
"RemoveTags" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Removes the specified set of tags from the specified Elasticsearch domain.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [ {
        "exceptionName" : "BaseException",
        "documentation" : "<p>An error occurred while processing the request.</p>",
        "httpStatusCode" : null
    }, {
        "exceptionName" : "ValidationException",
        "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
        "httpStatusCode" : 400
    }, {
        "exceptionName" : "InternalException",
        "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
        "httpStatusCode" : 500
    }],
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "RemoveTagsRequest",
        "variableName" : "removeTagsRequest",
        "variableType" : "RemoveTagsRequest",
        "documentation" : "<p>Container for the parameters to the <code><a>RemoveTags</a></code> operation.
Specify the <code><a>ARN</a></code> for the Elasticsearch domain from which you want to remove the specified <code><a>TagKey</a></code>.</p>"},
    "methodName" : "removeTags",
    "operationName" : "RemoveTags",
    "paginated" : false,
    "returnType" : {
        "returnType" : "RemoveTagsResponse",
        "documentation" : null
    }
}
"StartElasticsearchServiceSoftwareUpdate" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Schedules a service software update for an Amazon ES domain."
},
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
  "exceptionName" : "BaseException",
  "documentation" : "An error occurred while processing the request.",
  "httpStatusCode" : null
}, {
  "exceptionName" : "InternalException",
  "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.",
  "httpStatusCode" : 500
}, {
  "exceptionName" : "ResourceNotFoundException",
  "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.",
  "httpStatusCode" : 409
}, {
  "exceptionName" : "ValidationException",
  "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.",
  "httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "variableName" : "startElasticsearchServiceSoftwareUpdateRequest",
  "variableType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "documentation" : "Container for the parameters to the
  <code><a>StartElasticsearchServiceSoftwareUpdate</a></code> operation. Specifies the name of the Elasticsearch domain that you wish to schedule a service software update on."
},
"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
  "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update."
"syncReturnType": "StartElasticsearchServiceSoftwareUpdateResponse",

"UpdateElasticsearchDomainConfig" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances. </p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [{
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "<p>An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
  }
},

"hasBlobMemberAsPayload" : false,

"input" : {
  "variableDeclarationType" : "UpdateElasticsearchDomainConfigRequest",
  "variableName" : "updateElasticsearchDomainConfigRequest",
  "variableType" : "UpdateElasticsearchDomainConfigRequest",
  "documentation" : "Container for the parameters to the <code><a>UpdateElasticsearchDomain</a></code> operation. Specifies the type and number of instances in the domain cluster."},

"simpleType" : "UpdateElasticsearchDomainConfigRequest",

"variableSetterType" : "UpdateElasticsearchDomainConfigRequest"
"methodName" : "updateElasticsearchDomainConfig",
"operationName" : "UpdateElasticsearchDomainConfig",
"paginated" : false,
"returnType" : {
  "returnType" : "UpdateElasticsearchDomainConfigResponse",
  "documentation" : "<p>The result of an <code>UpdateElasticsearchDomain</code> request. Contains the status of the Elasticsearch domain being updated.</p>"
},
"syncReturnType" : "UpdateElasticsearchDomainConfigResponse"
},
"UpgradeElasticsearchDomain" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible Elasticsearch version.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>"
  }, {
    "exceptionName" : "ResourceAlreadyExistsException",
    "documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of 400.</p>"
  }, {
    "exceptionName" : "DisabledOperationException",
    "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>"
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>"
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>"
  } ]
}.
"hasBlobMemberAsPayload" : false,
"input" : {
    "variableDeclarationType" : "UpgradeElasticsearchDomainRequest",
    "variableName" : "upgradeElasticsearchDomainRequest",
    "variableType" : "UpgradeElasticsearchDomainRequest",
    "documentation" : "Container for request parameters to <code> <a>UpgradeElasticsearchDomain</a> </code> operation. </p>
},
"simpleType" : "UpgradeElasticsearchDomainRequest",
"variableSetterType" : "UpgradeElasticsearchDomainRequest"
},
"methodName" : "upgradeElasticsearchDomain",
"operationName" : "UpgradeElasticsearchDomain",
"paginated" : false,
"returnType" : {
    "returnType" : "UpgradeElasticsearchDomainResponse",
    "documentation" : "Container for response returned by <code> <a>UpgradeElasticsearchDomain</a> </code> operation. </p>
},
"syncReturnType" : "UpgradeElasticsearchDomainResponse"
}

"shapes" : {
"AccessPoliciesStatus" : {
    "c2jName" : "AccessPoliciesStatus",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "The configured access rules for the domain's document and search endpoints, and the current status of those rules."
},
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ { 
    "beanStyleGetterMethodName" : "getOptions",
} ]
}
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder()}. When the { @link String.Builder#build()} is called immediately and its result is passed to { @link options(String)}.\n\n@see #options(String)",
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\n@see #options(String)",
"fluentSetterMethodName" : "options",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Options",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Options",
" sensitive": false,
"setterDocumentation": "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.</p>
@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.",
"setterMethodName": "setOptions",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "options",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "options",
"variableType": "String",
"documentation": null,
"documentation": "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.",
"setterMethodName": "setOptions",
"setterModel": {
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"variableName": "options",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
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"variableName": "options",
"variableType": "String",
"documentation": null,
"documentation": "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.",
"setterMethodName": "setOptions",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "options",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
] },
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link options(String)}, a consumer that will call methods on {@link String.Builder} and return Returns a reference to this object so that method calls can be chained together.\n@see options(String)",
"deprecated" : false,
"documentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\n@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\n@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\n@return The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n\ngetterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Options",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Options",
"sensitive": false,


"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "options",
  "variableType": "String",
  "documentation": "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.&lt;/p&gt;",
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Options",
"sensitive": false,
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p><p>This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}.

When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus.Status} a consumer that will call methods on {@link OptionStatus.Builder}.

@return Returns a reference to this object so that method calls can be chained together.</p>

@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
"endpointDiscoveryId" : false,
"enumType" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.</p>

@see #status(OptionStatus)",
"getterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.</p>

@see #status(OptionStatus)",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
(setterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>"param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included."
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "The status of the access policy for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included."
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
"nonStreamingMembers" : [
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "PolicyDocument"

This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [@link String.Builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #options(String)].

@returns Returns a reference to this object so that method calls can be chained together."

"deprecated": false,


This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [@link String.Builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #options(String)].

@returns Returns a reference to this object so that method calls can be chained together.";

"endpointDiscoveryId": false,

"enumType": null,

"eventHeader": false,

"eventPayload": false,

"fluentEnumGetterMethodName": null,

"fluentEnumSetterMethodName": null,

"fluentGetterMethodName": "options",

"fluentSetterMethodName": "options",


@returns The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies\" target="_blank\"> Configuring Access Policies</a> for more information.

@returns Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName": "options",


@returns The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies\" target="_blank\"> Configuring Access Policies</a> for more information.

@returns Returns a reference to this object so that method calls can be chained together.",

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"status_code" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"sensitive" : false,
@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
", "simpleType" : "String",}
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. This is a convenience that creates an instance of the [ @link OptionStatus.Builder ] avoiding the need to create one manually via [ @link OptionStatus#builder() ]. When the [ @link Consumer ] completes, [ @link OptionStatus.Builder#build() ] is called immediately and its result is passed to [ @link status(OptionStatus) ]. param status a consumer that will call methods on [ @link OptionStatus.Builder ] @return Returns a reference to this object so that method calls can be chained together.@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. ",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. @return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. ",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"map" : false,
"mapModel" : null,
"marshallIngType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : ["Options", "Status"],
"shapeName" : "AccessPoliciesStatus",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
"variable" : {
  "variableDeclarationType" : "AccessPoliciesStatus",
  "variableName" : "accessPoliciesStatus",
  "variableType" : "AccessPoliciesStatus",
  "documentation" : null,
  "simpleType" : "AccessPoliciesStatus",
  "variableSetterType" : "AccessPoliciesStatus"
},
"wrapper" : false
},
"AddTagsRequest" : {
  "c2jName" : "AddTagsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for the parameters to the <code>AddTags</code> operation. Specify the tags that you want to attach to the Elasticsearch domain.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "AddTags",
    "locationName" : null,
    "requestUri" : "/2015-01-01/tags",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : ":<p>Specify the <code>ARN</code> for which you want to
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `arn(String)`.

`@param arn a consumer that will call methods on `String.Builder`.

@return Returns a reference to this object so that method calls can be chained together.

@see #arn(String)".

```

"deprecated" : false,
"documentation" : "<p> Specify the `<code>ARN</code>` for which you want to add the tags.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the `<code>ARN</code>` for which you want to add the tags.</p>

@return Specify the `<code>ARN</code>` for which you want to add the tags.

@getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ARN",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ARN",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",

```
"name": "ARN",
"sensitive": false,
"setterDocumentation": "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
@param arn Specify the <code>ARN</code> for which you want to add the tags.",
"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getTagList",
"beanStyleSetterMethodName": "setTagList",
"c2jName": "TagList",
"c2jShape": "TagList",
"defaultConsumerFluentSetterDocumentation": "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
This is a convenience that creates an instance of the {@link List<Tag>.Builder} avoiding the need to create one manually via {@link List<Tag>#builder()}. When the {@link Consumer} completes, {@link List<Tag>.Builder#build()} is called immediately and its result is passed to {@link #tagList(List<Tag>)}. Returns a reference to this object so that method calls can be chained together. 
@see #tagList(List<Tag>)",
  "deprecated": false,
  "documentation": "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "tagList",
  "fluentSetterMethodName": "tagList",
  "fluentSetterDocumentation": "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
@return Returns a reference to this object so that method calls can be chained together.
@see #tagList(List<Tag>)"
"getterDocumentation": "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return List of <code>Tag</code> that need to be added for the Elasticsearch domain.\n\" ",
"getterModel": {
"returnType": "java.util.List<Tag>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "TagList",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "TagList",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
"implType": "java.util.ArrayList",
"interfaceType": "java.util.List",
"listMemberModel": {
"beanStyleGetterMethodName": "getMember",
"beanStyleSetterMethodName": "setMember",
"c2jName": "member",
"c2jShape": "Tag",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag#builder()].\n\nWhen the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link #member(Tag)]\n\n@see #member(Tag)"
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
\n\n@param member The new value for the Member property for this object.
\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
\n@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
\n\n@param member The new value for the Member property for this object.
\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag"}
"variableSetterType" : "Tag",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"sensitive" : false,
"setterDocumentation" : "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain.</p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
  "simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>",
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
"ARN" : {
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultValue" : <p> Specify the <code>ARN</code> for which you want to add the tags. </p>
This is a convenience that creates an instance of the <code>{@link String.Builder}</code> avoiding the need to create one manually via <code>{@link String.Builder}().</code> When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #arn(String)}</code>. <p> Specify the <code>ARN</code> for which you want to add the tags. </p>
@return Returns a reference to this object so that method calls can be chained together. 
@see #arn(String)",
"deprecated" : false,
"documentation" : <p> Specify the <code>ARN</code> for which you want to add the tags. </p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>
@param arn Specify the <code>ARN</code> for which you want to add the tags.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>
@return Specify the <code>ARN</code> for which you want to add the tags.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt; Specify the &lt;code&gt;ARN&lt;/code&gt; for which you want to add the tags.&lt;/p&gt;&lt;param name="arn"&gt;Specify the &lt;code&gt;ARN&lt;/code&gt; for which you want to add the tags.&lt;/p&gt;",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "&lt;p&gt; Specify the &lt;code&gt;ARN&lt;/code&gt; for which you want to add the tags.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TagList" : {
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
  "c2jName" : "TagList",
  "c2jShape" : "TagList",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; that need to be added for the Elasticsearch domain. &lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the { @link List&lt;Tag&gt; .Builder} avoiding the need to create one manually via { @link List&lt;Tag&gt;#builder()} . When the { @link Consumer} completes, { @link List&lt;Tag&gt; .Builder#build()} is called immediately and its result is passed to { @link #tagList(List&lt;Tag&gt;)} . &lt;param name="tagList"&gt;a consumer that will call methods on { @link List&lt;Tag&gt; .Builder} .&lt;/param&gt; &lt;returns&gt; a reference to this object so that method calls can be chained together.&lt;/returns&gt; &lt;see&gt; #tagList(List&lt;Tag&gt;)&lt;/see&gt;",
  "deprecated" : false,
"documentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain. \p",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "tagList",
"fluentSetterDocumentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain. \p\n@param tagList List of \code<Tag> that need to be added for the Elasticsearch domain.\p\n@return Returns a reference to this object so that method calls can be chained together.\p",
"fluentSetterMethodName": "tagList",
"getterDocumentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain.\p
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n\p\n@return List of \code<Tag> that need to be added for the Elasticsearch domain.\p",
"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TagList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TagList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
", "$documentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain. \p",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "tagList",
"fluentSetterDocumentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain. \p\n@param tagList List of \code<Tag> that need to be added for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\p",
"fluentSetterMethodName": "tagList",
"getterDocumentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain.\p
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n\p\n@return List of \code<Tag> that need to be added for the Elasticsearch domain.\p",
"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TagList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TagList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
", "$documentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain. \p",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "tagList",
"fluentSetterDocumentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain. \p\n@param tagList List of \code<Tag> that need to be added for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\p",
"fluentSetterMethodName": "tagList",
"getterDocumentation": "\p List of \code<Tag> that need to be added for the Elasticsearch domain.\p
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n\p\n@return List of \code<Tag> that need to be added for the Elasticsearch domain.\p",
"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TagList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TagList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
"
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag#builder()]. When the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link member(Tag)]().

@see #member(Tag)

@return Returns a reference to this object so that method calls can be chained together.
@see #member(Tag)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(Tag)

@see #member(Tag)

return
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

"getterModel" : {
    "returnType" : "Tag",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : 
"Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"sensitive" : false,
"setterDocumentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain.

@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>"}
"documentation" : null,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<Tag>",
"variableName" : "tagList",
"variableType" : "java.util.List<Tag>",
"documentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain.
</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
}
,"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultConsumerFluentSetterDocumentation" : "Specify the <code>ARN</code> for which you want to add the tags.
This is a convenience that creates an instance of the <code>String.Builder</code> avoiding the need to create one manually via <code>String#builder()</code>. When the <code>Consumer</code> completes, <code>String.Builder#build()</code> is called immediately and its result is passed to <code>String#format(String)</code>. A consumer that will call methods on <code>String.Builder</code> returns a reference to this object so that method calls can be chained together. See <code>#arn(String)</code>
,"deprecated" : false,
"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "Specify the <code>ARN</code> for which you want to add the tags.
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "Specify the <code>ARN</code> for which you want to add the tags.
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
"http": {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ARN",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ARN",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p><p>@param arn Specify the <code>ARN</code> for which you want to add the tags.</p>.
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>.
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"defaultConsumerFluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
When the {@link Consumer} completes, {@link List<Tag>}.Builder#build() is called immediately and its result is passed to {@link #tagList(List<Tag>)}.\n@inheritdoc tagList a consumer that will call methods on {@link List<Tag>}.Builder}\n@inheritdoc tagList a reference to this object so that method calls can be chained together;\n@see #tagList(List<Tag>)",

deprecated" : false,
"documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #tagList(List<Tag>)",

"getterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return List of <code>Tag</code> that need to be added for the Elasticsearch domain.\n@see #tagList(List<Tag>)",

"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link Tag.Builder} avoiding the need to create one manually via { @link Tag.Builder#build()}. When the { @link Consumer} completes, { @link Tag.Builder#build()} is called immediately and its result is passed to { @link #member(Tag)}. @param member a consumer that will call methods on { @link Tag.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #member(Tag)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(Tag)
@see #member(Tag)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.

@see #member(Tag)
@see #member(Tag)
@see #member(Tag)
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "streamingConsumerFactoryDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link Tag.Builder} avoiding the need to create one manually via { @link Tag.Builder#build()}. When the { @link Consumer} completes, { @link Tag.Builder#build()} is called immediately and its result is passed to { @link #member(Tag)}. @param member a consumer that will call methods on { @link Tag.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #member(Tag)",
  "streamingSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link Tag.Builder} avoiding the need to create one manually via { @link Tag.Builder#build()}. When the { @link Consumer} completes, { @link Tag.Builder#build()} is called immediately and its result is passed to { @link #member(Tag)}. @param member a consumer that will call methods on { @link Tag.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #member(Tag)",
  "streamingSetterMethodNames" : null,
  "streamingSetterTypes" : null
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"敏感" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "TagList",
"sensitive": false,
"setterDocumentation": "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain.</p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.",
"setterMethodName": "setTagList",
"setterModel": {
  "variableDeclarationType": "java.util.List<Tag>",
  "variableName": "tagList",
  "variableType": "java.util.List<Tag>",
  "documentation": null,
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<Tag>",
  "variableName": "tagList",
  "variableType": "java.util.List<Tag>",
  "documentation": "<p>List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>
  "variableSetterType": "java.util.Collection<Tag>"
},
"xmlNameSpaceUri": null
}

"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "ARN", "TagList" ],
"shapeName": "AddTagsRequest",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "AddTagsRequest",
  "variableName": "addTagsRequest",
  "variableType": "AddTagsRequest",
  "documentation": null,
  "simpleType": "AddTagsRequest",
  "variableSetterType": "AddTagsRequest"
},
"wrapper": false
},
"AddTagsResponse": {
  "c2jName": "AddTagsResponse",
  "customization": {
    "artificialResultWrapper": null,
  }
}
"staxTargetDepthOffset" : 0,
"deprecated" : false,
"documentation" : "<p> List of limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt; </code> etc. &lt;br/&gt; Attributes and their details: &lt;br/&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported &lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;li&gt;MaximumNumberOfDataNodesWithoutMasterNode &lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;\nWhen the [@link Consumer] completes, [@link String.Builder&#35;build()] is called immediately and its result is passed to [@link #limitName(String)].\n@returns a reference to this object so that method calls can be chained together.\n@see #limitName(String)",
"deprecated" : false,
"documentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt; </code> etc. &lt;br/&gt; Attributes and their details: &lt;br/&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported &lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;li&gt;MaximumNumberOfDataNodesWithoutMasterNode &lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder#build()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #limitName(String)].\n@param limitName a consumer that will call methods on [@link String.Builder]\n@returns a reference to this object so that method calls can be chained together.\n@see #limitName(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"fluentSetterDocumentation": "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <br/> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>

@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it’s <code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <br/> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName": "limitName",

"getterDocumentation": "<p> Name of Additional Limit is specific to a given InstanceType and for each of it’s <code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <br/> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>

@return Name of Additional Limit is specific to a given InstanceType and for each of it’s <code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <br/> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LimitName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LimitName",
  "uri": false
},

---

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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "LimitName",
"sensitive": false,
"setterDocumentation": "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: <br/><ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul>
@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: <br/><ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul>\",
"setterMethodName": "setLimitName",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "limitName",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "limitName",
"variableType": "String",
"documentation": "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: <br/><ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul>\"",
"variableSetterType": "String"
This is a convenience that creates an instance of the `List<String>.Builder` avoiding the need to create one manually via `List<String>#builder()`. When the `List<String>.Builder#build()` is called immediately and its result is passed to `List<String>.limitValues(List<String>)` a consumer that will call methods on `List<String>.Builder` function. Returns a reference to this object so that method calls can be chained together.  

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`.  

The `LimitValues` documentation:

- **Value for given `<code> <a>AdditionalLimit$LimitName</a> </code>**
  
- **Returns a reference to this object so that method calls can be chained together.**

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`. Returns a reference to this object so that method calls can be chained together.  

The `LimitValues` documentation:

- **Value for given `<code> <a>AdditionalLimit$LimitName</a> </code>**
  
- **Returns a reference to this object so that method calls can be chained together.**
"uri" : false,

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {

"implType" : "java.util.ArrayList",

"interfaceType" : "java.util.List",

"listMemberModel" : {

"beanStyleGetterMethodName" : "getMember",

"beanStyleSetterMethodName" : "setMember",

"c2jName" : "member",

"c2jShape" : "LimitValue",

"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@param member a consumer that will call methods on {@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",

"deprecated" : false,

"documentation" : "",

"endpointDiscoveryId" : false,

"enumType" : null,

"eventType" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "member",

"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "member",

"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {

"returnType" : "String",

"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n@n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",

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"templateType" : "java.util.List<String>",

"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .

@Un.param limitValues Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .",
"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .

@SimpleType "List<String>"

@variableSetterType "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "LimitName" : {
    "beanStyleGetterMethodName" : "getLimitName",
    "beanStyleSetterMethodName" : "setLimitName",
    "c2jName" : "LimitName",
    "c2jShape" : "LimitName",
    "defaultConsumerFluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given
InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. Attribute and their details:

<ul>
  <li>MaximumNumberOfDataNodesSupported</li>
  This attribute will be present in Master node only to
  specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as
  master node.

  <li>MaximumNumberOfDataNodesWithoutMasterNode</li>
  This attribute will be present in Data
  node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which
  you don't need any master nodes to govern them.
</ul>

This is a convenience that creates an instance of the
{@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the
{@link Consumer} completes, it calls immediately and its result is passed to
{@link #limitName(String)}. Returns a reference to this object so that method calls can be chained together.

@see #limitName(String)
" depreciated" : false,
"documentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. &lt;br&gt; Attributes and their details: &lt;br&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;/li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;",

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br&gt; Attributes and their details: &lt;br&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;/li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;\n@limitName Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br&gt; Attributes and their details: &lt;br&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;/li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;\n@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "limitName",

"getterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br&gt; Attributes and their details: &lt;br&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;/li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;\n@return Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br&gt; Attributes and their details: &lt;br&gt; &lt;ul&gt; &lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;/li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;\n"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitName",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"sensitive" : false,
"setterDocumentation" : "\<p\> Name of Additional Limit is specific to a given InstanceType and for each of it's <\code\> \<a\>InstanceRole\</a\> <\code\> etc. <br/> Attributes and their details: <br/> <ul>
\<li\>MaximumNumberOfDataNodesSupported\</li\> This attribute will be present in Master node only to specify how much data nodes upto which given <\code\> \<a\>ESPartitionInstanceType\</a\> <\code\> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <\code\> \<a\>ESPartitionInstanceType\</a\> <\code\> upto which you don't need any master nodes to govern them. <ul><p>@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> etc. <br/> Attributes and their details: <br/> <ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul></ul><p>

"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
Name of Additional Limit is specific to a given InstanceType and for each of it's e.g. InstanceRole specific to ESPartitionInstanceType can support as master node.

- MaximumNumberOfDataNodesSupported
  - This attribute will be present in Master node only to specify how much data nodes of given InstanceType can support as master node.
  - MaximumNumberOfDataNodesWithoutMasterNode
    - This attribute will be present in Data node only to specify how much data nodes of given InstanceType upto which you don't need any master nodes to govern them.

```
"simpleType" : "String",
"variableSetterType" : "String"
```

Values for given AdditionalLimit$LimitName:

```
"defaultConsumerFluentSetterDocumentation" : "<p> Value for given <code>AdditionalLimit$LimitName</code>.

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the [ @link Consumer] completes, [ @link List<String>.Builder#build()] is called immediately and its result is passed to [ @link #limitValues(List<String>)].

@see #limitValues(List<String>)"
```

```
"getterDocumentation" : "<p> Value for given <code>AdditionalLimit$LimitName</code>.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException."
```

```
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LimitValues",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LimitValues",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "LimitValue",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "member",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.\nThe new value for the Member property for this object\n\n@param member The new value for the Member property for this object\n\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "member",
    "implType": "java.lang.String",
    "interfaceType": "java.lang.String",
    "listMemberModel": {
      "beanStyleGetterMethodName": "getMember",
      "beanStyleSetterMethodName": "setMember",
      "c2jName": "member",
      "c2jShape": "LimitValue",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
      "deprecated": false,
      "documentation": "",
      "endpointDiscoveryId": false,
      "enumType": null,
      "eventHeader": false,
      "eventPayload": false,
      "fluentEnumGetterMethodName": null,
      "fluentEnumSetterMethodName": null,
      "fluentGetterMethodName": "member",
      "fluentSetterDocumentation": "Sets the value of the Member property for this object.\nThe new value for the Member property for this object\n\n@param member The new value for the Member property for this object\n\n@return Returns a reference to this object so that method calls can be chained together."
    },
    "implType": "java.lang.String",
    "interfaceType": "java.lang.String",
    "listMemberModel": {
      "beanStyleGetterMethodName": "getMember",
      "beanStyleSetterMethodName": "setMember",
      "c2jName": "member",
      "c2jShape": "LimitValue",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
      "deprecated": false,
      "documentation": "",
      "endpointDiscoveryId": false,
      "enumType": null,
      "eventHeader": false,
      "eventPayload": false,
      "fluentEnumGetterMethodName": null,
      "fluentEnumSetterMethodName": null,
      "fluentGetterMethodName": "member",
      "fluentSetterDocumentation": "Sets the value of the Member property for this object.\nThe new value for the Member property for this object\n\n@param member The new value for the Member property for this object\n\n@return Returns a reference to this object so that method calls can be chained together."
    }},
    "implType": "java.lang.String",
    "interfaceType": "java.lang.String",
    "listMemberModel": {
      "beanStyleGetterMethodName": "getMember",
      "beanStyleSetterMethodName": "setMember",
      "c2jName": "member",
      "c2jShape": "LimitValue",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
      "deprecated": false,
      "documentation": "",
      "endpointDiscoveryId": false,
      "enumType": null,
      "eventHeader": false,
      "eventPayload": false,
      "fluentEnumGetterMethodName": null,
      "fluentEnumSetterMethodName": null,
      "fluentGetterMethodName": "member",
      "fluentSetterDocumentation": "Sets the value of the Member property for this object.\nThe new value for the Member property for this object\n\n@param member The new value for the Member property for this object\n\n@return Returns a reference to this object so that method calls can be chained together."
    }},
    "implType": "java.lang.String",
    "interfaceType": "java.lang.String",
    "listMemberModel": {
      "beanStyleGetterMethodName": "getMember",
      "beanStyleSetterMethodName": "setMember",
      "c2jName": "member",
      "c2jShape": "LimitValue",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@see #member(String)",
      "deprecated": false,
      "documentation": "",
      "endpointDiscoveryId": false,
      "enumType": null,
"getterDocumentation": "Returns the value of the Member property for this object. \n\n@return The value of the Member property for this object. ",
"getterModel": [
    "returnType": "String",
    "documentation": null
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"http": [
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "member",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "member",
    "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object. \n\n@param member The new value for the Member property for this object. ",
"setterMethodName": "setMember",
"setterModel": [
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    "variableName": "member",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
],
"simple": true,
"timestampFormat": null,
"variable": [
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
]
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> . </p>
@param limitValues Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
"setterMethodName" : "setLimitValues",
"setterModel" : {
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    "variableName" : "limitValues",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "limitValues",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> . </p>
    <p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> . </p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getLimitName",
}]}
"beanStyleSetterMethodName" : "setLimitName",
"c2jName" : "LimitName",
"c2jShape" : "LimitName",
"defaultConsumerFluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> InstanceRole </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> InstanceType </code> can support as master node. </ul> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> InstanceType </code> upto which you don't need any master nodes to govern them. </p>
This is a convenience that creates an instance of the <code> String.Builder </code> avoiding the need to create one manually via <code> String#builder() </code>. When the <code> Consumer </code> completes, <code> String.Builder#build() </code> is called immediately and its result is passed to <code> #limitName(String) </code>. 

@deprecated 
@returns a reference to this object so that method calls can be chained together.

"documentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> InstanceRole </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> InstanceType </code> can support as master node. </ul> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> InstanceType </code> upto which you don't need any master nodes to govern them. </p>
<br/>
@endpointDiscoveryId 
@endenumType 
@eventHeader 
@eventPayload 
@fluentEnumGetterMethodName 
@fluentEnumSetterMethodName 
@fluentGetterMethodName "limitName",
@fluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> InstanceRole </code> etc. <br/> Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> InstanceType </code> can support as master node. </ul> <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> InstanceType </code> upto which you don't need any master nodes to govern them. </p>
<br/>
@endlimitName(String)

@returns a reference to this object so that method calls can be chained together.

"name" : "LimitName",
"newType" : null,
"optional" : false,
"path" : null,
"type" : null,
"unparsedObject" : null,
"writable" : true,
node. MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul> </p>

**@return** Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: 

<ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. 
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul>

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitName",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "LimitName",

"setterDocumentation" : "Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: 

<ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> can support as master node. 
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. 
```

@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: 

<ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> can support as master node. 
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. 
```
specify how much data nodes up to which given `<code>` `<a>`ESPartitionInstanceType`</a>` can support as master node. `<li>`MaximumNumberOfDataNodesWithoutMasterNode`</li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `<a>`ESPartitionInstanceType`</a>` up to which you don't need any master nodes to govern them. `<ul>`

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes up to which given `<code>` `<a>`ESPartitionInstanceType`</a>` can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given `<code>` `<a>`ESPartitionInstanceType`</a>` up to which you don't need any master nodes to govern them.

</ul>
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@return Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "limitValues",
"getterDocumentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
<p>
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
</p>
@return Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitValues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitValues",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "LimitValue",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object.\n\nThis is a convenience that creates an instance of the {
@link String.Builder} avoiding the need to create
one manually via {
@link String#builder()}.\n\nWhen the {
@link Consumer} completes, {
@link String.Builder#build()} is called immediately and its result is passed to {
@link #member(String)}\n\n@param member a consumer that will call methods on {
@link String.Builder}\n\n@returns Returns a reference to this object so
that method calls can be chained together.\n@see #member(String)

"deprecated" : false,
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"fluentEnumSetterMethodName" : null,
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"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {
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    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
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"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
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    "documentation" : null
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"uriModel" : null,
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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"variable" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
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"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@param limitValues Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .",
"setterMethodName" : "setLimitValues",
"setterModel" : {
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  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "limitValues",
  "variableType": "java.util.List<String>",
  "documentation": "<p> Value for given <code>&lt;a&gt;AdditionalLimit$LimitName&lt;/a&gt;</code> . </p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "AdditionalLimit",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
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"variable": {
  "variableDeclarationType": "AdditionalLimit",
  "variableName": "additionalLimit",
  "variableType": "AdditionalLimit",
  "documentation": null,
  "simpleType": "AdditionalLimit",
  "variableSetterType": "AdditionalLimit"
},
"wrapper": false
},
"AdvancedOptionsStatus": {
  "c2jName": "AdvancedOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p> Status of the advanced options for the specified Elasticsearch domain. Currently, the following advanced options are available: </p> <ul> <li>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. </li> <li>Option to specify the percentage of heap space that is allocated to field data. By default, this setting is unbounded. </li> </ul> <p>For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ { 
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\n\nThis is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link Map<String,String>#builder()}.\n\nWhen the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String,String>)}.\n@see #options(Map<String,String>)", 
"deprecated" : false,
"documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@see #options(Map<String,String>)", 

"documentation" : null,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
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"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\n@param options Specifies the status of advanced options for the specified Elasticsearch domain.\n@see #options(Map<String,String>)", 
"getterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@see #options(Map<String,String>)", 
"getterModel" : { 
"returnType" : "java.util.Map<String,String>",
"documentation" : null }
},
"http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #key(String)}\n\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@see #key(String)\n\n@return Returns a reference to this object so that method calls can be chained together."
  }
}
"fluentSetterMethodName": "key",
"getterDocumentation": "Returns the value of the Key property for this object.\n@return The value of the Key property for this object.",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "key",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "key",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.",
"setterMethodName": "setKey",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "key",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {"variableDeclarationType": "String"}
"variableName": "key",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
"beanStyleGetterMethodName": "getValue",
"beanStyleSetterMethodName": "setValue",
"c2jName": "value",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #value(String) \}.\n\n@see #value(String)"
,  
"deprecated": false,
"documentation": "",
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"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object.\n\n@see #value(String)"
,  
"getterDocumentation": "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object."
,  
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>",
"marshallingType" : "MAP",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
@param options Specifies the status of advanced options for the specified Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>",
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>",
},
"xmlNameSpaceUri": null,
},
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link OptionStatus#status(OptionStatus)}.
@see #status(OptionStatus)",
"deprecated": false,
"documentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@see #status(OptionStatus)",
"fluentSetterMethodName": "status",
"getterDocumentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@see #status(OptionStatus)",
"fluentSetterMethodName": "status",
"getterDocumentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@see #status(OptionStatus)",
"getters": [],
"simple": false,
"timestampFormat": null,
"variables": [{
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "options",
  "variableType": "java.util.Map<String,String>",
  "documentation": "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>",
  "simple": false,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>",
},
"xmlNameSpaceUri": null,
specified Elasticsearch domain.

@return Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

"getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
" sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>

@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

"setterMethodName" : "setStatus",
"setterModel" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : null,
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "OptionStatus"
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p> ",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "AdvancedOptions",
"defaultValue documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p> 
This is a convenience that creates an instance of the { @link Map&lt;String, String&gt;}.Builder avoiding the need to create one manually via { @link Map&lt;String, String&gt;#builder()}. When the { @link Consumer} completes, { @link Map&lt;String, String&gt;#builder()} is called immediately and its result is passed to { @link Map&lt;String, String&gt;#builder()}.

When the { @link Consumer} completes, { @link Map&lt;String, String&gt;#builder()} is called immediately and its result is passed to { @link Map&lt;String, String&gt;#builder()}.

This is a convenience that creates an instance of the { @link Map&lt;String, String&gt;}.Builder avoiding the need to create one manually via { @link Map&lt;String, String&gt;#builder()}. When the { @link Consumer} completes, { @link Map&lt;String, String&gt;#builder()} is called immediately and its result is passed to { @link Map&lt;String, String&gt;#builder()}.

When the { @link Consumer} completes, { @link Map&lt;String, String&gt;#builder()} is called immediately and its result is passed to { @link Map&lt;String, String&gt;#builder()}.
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultValue" : false,
"documentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String.Builder#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #key(String))

@param key a consumer that will call methods on @link String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"deprecated" : false,
"endpointDiscoveryId" : "",
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "getKey",
"fluentEnumSetterMethodName" : "setKey",
"fluentGetterMethodName" : "key",
"fluentSetterMethodName" : "String",
"defaultValue" : false,
"documentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"getterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.",
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultValue" : false,
"documentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String.Builder#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #key(String))

@param key a consumer that will call methods on @link String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"deprecated" : false,
"endpointDiscoveryId" : "",
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "getKey",
"fluentEnumSetterMethodName" : "setKey",
"fluentGetterMethodName" : "key",
"fluentSetterMethodName" : "String",
"defaultValue" : false,
"documentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"getterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.",
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object."

"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #value(String)].

@see #value(String)
@param value a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #value(String)
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

The new value for the Value property for this object.

@see #value(String)
@return Returns a reference to this object so that method calls can be chained together.
,"fluentSetterMethodName" : "value",
"getDocumentation" : "Returns the value of the Value property for this object.

The value of the Value property for this object.

@see #value(String)
"
,"getterModel" : {
  "returnType" : "String",
  "documentation" : null
 },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false,
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."

"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
},
"marshallingType" : "MAP",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>

@param options Specifies the status of advanced options for the specified Elasticsearch domain."

"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,String>"
"variableName" : "options",
"variableType" : "java.util.Map<String,String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "options",
"variableType" : "java.util.Map<String,String>",
"documentation" : "&lt;p&gt; Specifies the status of advanced options for the specified Elasticsearch domain.&lt;/p&gt;",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>",
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt; Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.&lt;/p&gt;&lt;ul&gt;This is a convenience that creates an instance of the [OptionStatus.Builder] avoiding the need to create one manually via [OptionStatus#builder()].&lt;ul&gt;When the [Consumer] completes, [OptionStatus.Builder#build()] is called immediately and its result is passed to [OptionStatus] a consumer that will call methods on [OptionStatus.Builder]&lt;ul&gt;@return Returns a reference to this object so that method calls can be chained together.@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "&lt;p&gt; Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.&lt;/p&gt;&lt;ul&gt;
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "&lt;p&gt; Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.&lt;/p&gt;&lt;ul&gt;@param status Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "status",
"getterDocumentation" : "&lt;p&gt; Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.&lt;/p&gt;&lt;ul&gt;@return Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced
options for the specified Elasticsearch domain.

"getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,

"setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>

@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.",

"setterMethodName" : "setStatus",
"setterModel" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : null,
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "getterModel" : {
        "returnType" : "OptionStatus",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Status",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Status",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "SDK_POJO",
    "name" : "Status",
    "sensitive" : false,
    "setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.",

    "setterMethodName" : "setStatus",
    "setterModel" : {
        "variableDeclarationType" : "OptionStatus",
        "variableName" : "status",
        "variableType" : "OptionStatus",
        "documentation" : null,
        "simpleType" : "OptionStatus",
        "variableSetterType" : "OptionStatus"
    },
    "simple" : false,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "OptionStatus",
        "variableName" : "status",
        "getterModel" : {
            "returnType" : "OptionStatus",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "Status",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "Status",
            "uri" : false
        },
        "idempotencyToken" : false,
        "isBinary" : false,
        "jsonValue" : false,
        "list" : false,
        "listModel" : null,
        "map" : false,
        "mapModel" : null,
        "marshallingType" : "SDK_POJO",
        "name" : "Status",
        "sensitive" : false,
        "setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.",

        "setterMethodName" : "setStatus",
        "setterModel" : {
            "variableDeclarationType" : "OptionStatus",
            "variableName" : "status",
            "variableType" : "OptionStatus",
            "documentation" : null,
            "simpleType" : "OptionStatus",
            "variableSetterType" : "OptionStatus"
        },
        "simple" : false,
        "timestampFormat" : null,
        "variable" : {
            "variableDeclarationType" : "OptionStatus",
            "variableName" : "status",
            "getterModel" : {
                "returnType" : "OptionStatus",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocation" : "PAYLOAD",
                "marshallLocationName" : "Status",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "Status",
                "uri" : false
            },
            "idempotencyToken" : false,
            "isBinary" : false,
            "jsonValue" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
            "marshallingType" : "SDK_POJO",
            "name" : "Status",
            "sensitive" : false,
            "setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.",

            "setterMethodName" : "setStatus",
            "setterModel" : {
                "variableDeclarationType" : "OptionStatus",
                "variableName" : "status",
                "variableType" : "OptionStatus",
                "documentation" : null,
                "simpleType" : "OptionStatus",
                "variableSetterType" : "OptionStatus"
            },
            "simple" : false,
            "timestampFormat" : null,
            "variable" : {
                "variableDeclarationType" : "OptionStatus",
                "variableName" : "status",
                "getterModel" : {
                    "returnType" : "OptionStatus",
                    "documentation" : null
                },
                "http" : {
                    "additionalMarshallingPath" : null,
                    "additionalUnmarshallingPath" : null,
                    "flattened" : false,
                    "greedy" : false,
                    "header" : false,
                    "isPayload" : false,
                    "isStreaming" : false,
                    "location" : null,
                    "marshallLocation" : "PAYLOAD",
                    "marshallLocationName" : "Status",
                    "queryString" : false,
                    "statusCode" : false,
                    "unmarshallLocationName" : "Status",
                    "uri" : false
                },
                "idempotencyToken" : false,
                "isBinary" : false,
                "jsonValue" : false,
                "list" : false,
                "listModel" : null,
                "map" : false,
                "mapModel" : null,
                "marshallingType" : "SDK_POJO",
                "name" : "Status",
                "sensitive" : false,
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link Map<String,String>#builder()}. When the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String,String>)}. @param options a consumer that will call methods on { @link Map<String,String>.Builder}. @return Returns a reference to this object so that method calls can be chained together.@see #options(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
@param options Specifies the status of advanced options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.
@param options Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Specifies the status of advanced options for the specified Elasticsearch domain."
,"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Options",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the \{\@link String.Builder\} avoiding the need to create one manually via \{\@link String#builder()\}. When the \{\@link Consumer\} completes, \{\@link String.Builder#build()\} is called immediately and its result is passed to \{\@link #key(String)\}.\n\n@see #key(String)"
  },
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "key",
  "fluentSetterDocumentation": "Sets the value of the Key property for this object.\n\n@see #key(String)"
},
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "key",
"fluentSetterDocumentation": "Sets the value of the Key property for this object.\n\n@see #key(String)"
}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableSetterType" : "String",
],
"xmlnsNameSpaceUri" : null
],
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #value(String)}.  @param value a consumer that will call methods on { @link String.Builder} @return Returns a reference to this object so that method calls can be chained together.  
  @see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.  The new value for the Value property for this object. @param value The value of the Value property for this object. @return Returns a reference to this object so that method calls can be chained together.  
  @param value a consumer that will call methods on { @link String.Builder} @return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.  
  @return The value of the Value property for this object.
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "value",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>

@param options Specifies the status of advanced options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
    "variableDeclarationType" : "java.util.Map<String,String>",
    "variableName" : "options",
    "xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"}
"variableType" : "java.util.Map<String,String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain. </p>",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
  "xmlNameSpaceUri" : null,
  },
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. This is a convenience that creates an instance of the [{@link OptionStatus.Builder}] avoiding the need to create one manually via [{@link OptionStatus.Builder#builder()}]. When the [{@link Consumer}] completes, [{@link OptionStatus.Builder#build()}] is called immediately and its result is passed to [{@link #status(OptionStatus)}].
@param status a consumer that will call methods on [{@link OptionStatus.Builder}]
@return Returns a reference to this object so that method calls can be chained together."
},
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterMethodName" : "status",
  "fluentGetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@link OptionStatus#status(OptionStatus)
@return Returns a reference to this object so that method calls can be chained together."
},
  "getterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@link OptionStatus#status(OptionStatus)
@return Returns the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain."
},
  "getterModel" : {
    "returnType" : "OptionStatus",
    "getters" : [
      { "getterName" : "status",
        "getterType" : "OptionStatus"
      }
    ]
  }
}
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Status",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"simple": false,
"setterDocumentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain."
,"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>"
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "AdvancedOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "AdvancedOptionsStatus",
"variableName" : "advancedOptionsStatus",
"variableType" : "AdvancedOptionsStatus",
"documentation" : null,
"simpleType" : "AdvancedOptionsStatus",
"variableSetterType" : "AdvancedOptionsStatus"
}
,"wrapper" : false
},
"BaseException" : {
"c2jName" : "BaseException",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "&lt;p&gt;An error occurred while processing the request.&lt;/p&gt;",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : "BaseException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "BaseException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "BaseException",
  "variableName" : "baseException",
  "variableType" : "BaseException",
  "documentation" : null,
  "simpleType" : "BaseException",
  "variableSetterType" : "BaseException"
},
"wrapper" : false
},
"CancelElasticsearchServiceSoftwareUpdateRequest" : {
  "c2jName" : "CancelElasticsearchServiceSoftwareUpdateRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for the parameters to the \n&lt;code&gt;&lt;a href="/2015-01-01/es/serviceSoftwareUpdate/cancel"&gt;CancelElasticsearchServiceSoftwareUpdate&lt;/a&gt;&lt;/code&gt; operation. Specifies the name of the Elasticsearch domain that you wish to cancel a service software update on.&lt;/p&gt;&quot;,
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "CancelElasticsearchServiceSoftwareUpdate",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/serviceSoftwareUpdate/cancel",
    "target" : null,
    "verb" : "POST"
"xmlnsNameSpaceUri" : null,
],
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultValueConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link #builder()].
When the [link #Consumer] completes, [link #build()] is called immediately and its result is passed to [link #domainName(String)]

  "deprecated" : false,
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@param domainName The name of the domain that you want to stop the latest service software update on.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@return The name of the domain that you want to stop the latest service software update on.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "The name of the domain that you want to stop the latest service software update on."
@param domainName The name of the domain that you want to stop the latest service software update on.

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the domain that you want to stop the latest service software update on."
},
"xmlNameSpaceUri" : null
}]

"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "The name of the domain that you want to stop the latest service software update on."
  }
}

This is a convenience that creates an instance of the [String.Builder]
avoiding the need to create one manually via [String.Builder().].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [domainName(String)].

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String.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

deprecated": false,
"documentation": "<p>The name of the domain that you want to stop the latest service software update on.</p>
@endparam domainName The name of the domain that you want to stop the latest service software update on.

@return The name of the domain that you want to stop the latest service software update on.

getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@param domainName The name of the domain that you want to stop the latest service software update on.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes,{@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.
@param domainName a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterMethodName" : "domainName",
  "name" : "DomainName",
  "type" : "DomainName",
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}];
"domainName" : {
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, @{link String.Builder#build()} is called immediately and its result is passed to @{link #domainName(String)}.
@param domainName a consumer that will call methods on @{link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterMethodName" : "domainName",
"name" : "DomainName",
"type" : "DomainName",
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}];
"domainName" : {
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, @{link String.Builder#build()} is called immediately and its result is passed to @{link #domainName(String)}.
@param domainName a consumer that will call methods on @{link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.@see #domainName(String)",
"deprecated" : false,
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.<\/p>\n@param domainName The name of the domain that you want to stop the latest service software update on.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.<\/p>\n@return The name of the domain that you want to stop the latest service software update on.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"敏感" : false,
"setterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.<\/p>\n@param domainName The name of the domain that you want to stop the latest service software update on.\n",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "The name of the domain that you want to stop the latest service software update on.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "CancelElasticsearchServiceSoftwareUpdateRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
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    "variableName" : "cancelElasticsearchServiceSoftwareUpdateRequest",
    "variableType" : "CancelElasticsearchServiceSoftwareUpdateRequest",
    "documentation" : null,
    "simpleType" : "CancelElasticsearchServiceSoftwareUpdateRequest",
    "variableSetterType" : "CancelElasticsearchServiceSoftwareUpdateRequest"
},
"wrapper" : false
},
"CancelElasticsearchServiceSoftwareUpdateResponse" : {
    "c2jName" : "CancelElasticsearchServiceSoftwareUpdateResponse",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "The result of a <code>CancelElasticsearchServiceSoftwareUpdate</code> operation.
Contains the status of the update.
"}
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch service software update.\nThis is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {@link ServiceSoftwareOptions.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to {@link #serviceSoftwareOptions(ServiceSoftwareOptions)}.\n@see #serviceSoftwareOptions(\n@return Returns a reference to this object so that method calls can be chained together.\n@deprecated"
  "documentation" : "The current status of the Elasticsearch service software update."

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch service software update.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
  "fluentSetterMethodName" : "serviceSoftwareOptions",
  "getterDocumentation" : "The current status of the Elasticsearch service software update.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "ServiceSoftwareOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ServiceSoftwareOptions",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.

@servicename:ServiceSoftwareOptions

"setterMethodname": "setServiceSoftwareOptions",

"setterModel": {

"variableDeclarationType": "ServiceSoftwareOptions",

"variableName": "serviceSoftwareOptions",

"variableType": "ServiceSoftwareOptions",

"documentation": null,

"simpleType": "ServiceSoftwareOptions",

"variableSetterType": "ServiceSoftwareOptions"
},

"simple": false,

"timestampFormat": null,

"variable": {

"variableDeclarationType": "ServiceSoftwareOptions",

"variableName": "serviceSoftwareOptions",

"variableType": "ServiceSoftwareOptions",

"documentation": "<p>The current status of the Elasticsearch service software update.</p>

@servicename:ServiceSoftwareOptions

"simpleType": "ServiceSoftwareOptions",

"variableSetterType": "ServiceSoftwareOptions"
},

"xmlNameSpaceUri": null

}" membersAsMap": {

"ServiceSoftwareOptions": {

"beanStyleGetterMethodName": "getServiceSoftwareOptions",

"beanStyleSetterMethodName": "setServiceSoftwareOptions",

"c2jName": "ServiceSoftwareOptions",

"c2jShape": "ServiceSoftwareOptions",

"defaultConsumerFluentSetterDocumentation": "<p>The current status of the Elasticsearch service software update.</p>

This is a convenience that creates an instance of the [ServiceSoftwareOptions.Builder]
avoiding the need to create one manually via [ServiceSoftwareOptions.Builder].
When the [ServiceSoftwareOptions.Builder.build()] completes, [ServiceSoftwareOptions.Builder.build()] is called immediately and its result is passed to [ServiceSoftwareOptions.Builder.build()]

@servicename:ServiceSoftwareOptions

"defaultConsumerFluentSetterDocumentation": "<p>The current status of the Elasticsearch service software update.</p>"
consumer that will call methods on [@link ServiceSoftwareOptions.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)\n\n"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.\n@return The current status of the Elasticsearch service software update."

"getterModel" : {

"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>\n@param serviceSoftwareOptions The current status of the Elasticsearch service software update.\n@return The current status of the Elasticsearch service software update."
serviceSoftwareOptions The current status of the Elasticsearch service software update.

"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : <p>The current status of the Elasticsearch service software update.</p>,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
}]

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
This is a convenience that creates an instance of the {<link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {<link ServiceSoftwareOptions#builder()}. When the {<link Consumer} completes, {<link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to {<link ServiceSoftwareOptions(ServiceSoftwareOptions)} a consumer that will call methods on {<link ServiceSoftwareOptions.Builder} return Returns a reference to this object so that method calls can be chained together.<see #serviceSoftwareOptions(ServiceSoftwareOptions)>
  "deprecated" : false,
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "serviceSoftwareOptions",
  "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@see #serviceSoftwareOptions(ServiceSoftwareOptions) The current status of the Elasticsearch service software update return Returns a reference to this object so that method calls can be chained together.
  "fluentSetterMethodName" : "serviceSoftwareOptions"}
"getterDocumentation": "<p>The current status of the Elasticsearch service software update.</p>\n\n@return
The current status of the Elasticsearch service software update.",
"getterModel": {
"returnType": "ServiceSoftwareOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ServiceSoftwareOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ServiceSoftwareOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ServiceSoftwareOptions",
"sensitive": false,
"setterDocumentation": "<p>The current status of the Elasticsearch service software update.</p>\n\n@param
serviceSoftwareOptions The current status of the Elasticsearch service software update.",
"setterMethodName": "setServiceSoftwareOptions",
"setterModel": {
"variableDeclarationType": "ServiceSoftwareOptions",
"variableName": "serviceSoftwareOptions",
"variableType": "ServiceSoftwareOptions",
"documentation": null,
"simpleType": "ServiceSoftwareOptions",
"variableSetterType": "ServiceSoftwareOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "ServiceSoftwareOptions",
"variableName": "serviceSoftwareOptions"}
"variableType" : "ServiceSoftwareOptions",
"documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
"simpleType" : "ServiceSoftwareOptions",
"variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
}
]}
requestSignerAware" : false,
requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CancelElasticsearchServiceSoftwareUpdateResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CancelElasticsearchServiceSoftwareUpdateResponse",
"variableName" : "cancelElasticsearchServiceSoftwareUpdateResponse",
"variableType" : "CancelElasticsearchServiceSoftwareUpdateResponse",
"documentation" : null,
"simpleType" : "CancelElasticsearchServiceSoftwareUpdateResponse",
"variableSetterType" : "CancelElasticsearchServiceSoftwareUpdateResponse"
},
"wrapper" : false
},
"CognitoOptions" : {
"c2jName" : "CognitoOptions",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  {
    "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.\nThis is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}.\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link enabled(Boolean)}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #enabled(Boolean)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.\n</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "enabled",
    "fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.\n</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #enabled(Boolean)",
    "fluentSetterMethodName" : "enabled",
    "getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.\n</p>
@return Specifies the option to enable Cognito for Kibana authentication.\n@see #enabled(Boolean)",
    "getterModel" : {
      "returnType" : "Boolean",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "Enabled",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "Enabled",
      "uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"sensitive": false,
"setterDocumentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>\n@param enabled Specifies the option to enable Cognito for Kibana authentication.",
"setterMethodName": "setEnabled",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getUserPoolId",
"beanStyleSetterMethodName": "setUserPoolId",
"c2jName": "UserPoolId",
"c2jShape": "UserPoolId",
"defaultValueFluentSetterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #userPoolId(String)}.\n@param userPoolId a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #userPoolId(String)",
"deprecated": false,
"documentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "userPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "userPoolId",
"getterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@return Specifies the Cognito user pool ID for Kibana authentication.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UserPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserPoolId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UserPoolId",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.",
"setterMethodName" : "setUserPoolId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "userPoolId",
"variableType" : "String"}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "userPoolId",
 "variableType" : "String",
 "documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"
{"beanStyleGetterMethodName" : "getIdentityPoolId",
"beanStyleSetterMethodName" : "setIdentityPoolId",
"c2jName" : "IdentityPoolId",
"c2jShape" : "IdentityPoolId",
"defaultValueSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #identityPoolId(String)}. Returns a reference to this object so that method calls can be chained together.<p>@see #identityPoolId(String)"",
"deprecated" : false,
"documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "identityPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.
@see #identityPoolId(String)",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "IdentityPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IdentityPoolId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "IdentityPoolId",
"_sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@param
identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.

"setterMethodName" : "setIdentityPoolId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "identityPoolId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "identityPoolId",
  "variableType" : "String",
  "documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getRoleArn",
  "beanStyleSetterMethodName" : "setRoleArn",
}
"c2jName" : "RoleArn",
"c2jShape" : "RoleArn",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #roleArn(String)].

@return Returns a reference to this object so that method calls can be chained together.

@see #roleArn(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "roleArn",
"fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
@return Returns a reference to this object so that method calls can be chained together.

@see #roleArn(String)",
"fluentSetterMethodName" : "roleArn",
"getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.

@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.

getterModel" :{
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "RoleArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RoleArn",
"uri" : false
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"idempotencyToken" : false,
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"mapModel": null,
"marshallingType": "STRING",
"name": "RoleArn",
"sensitive": false,
"setterDocumentation": "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources."
"setterMethodName": "setRoleArn",
"setterModel": {
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  "variableType": "String",
  "documentation": "Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"membersAsMap": {
  "Enabled": {
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    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
    <p>This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to create one manually via { @link Boolean#builder() }. When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link #enabled(Boolean) }. If @param enabled is set to false a consumer that will call methods on { @link Boolean.Builder } is returned. Returns a reference to this object so that method calls can be chained together.</p>
    "deprecated": false,
    "documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
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"eventPayload" : false,
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"fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>@param enabled Specifies the option to enable Cognito for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "enabled",
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"getterModel" : {
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 "statusCode" : false,
 "unmarshallLocationName" : "Enabled",
 "uri" : false
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 "marshallingType" : "BOOLEAN",
 "name" : "Enabled",
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 "setterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>@param enabled Specifies the option to enable Cognito for Kibana authentication.
@return Enables or disables the use of Cognito authentication for Kibana.",
 "setterMethodName" : "setEnabled",
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  "documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
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  "variableSetterType": "Boolean"
  },
"xmlNameSpaceUri": null
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"IdentityPoolId": {
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  "c2jName": "IdentityPoolId",
  "c2jShape": "IdentityPoolId",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
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  "fluentEnumGetterMethodName": null,
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  "fluentSetterDocumentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
  "fluentSetterMethodName": "identityPoolId",
  "getterDocumentation": "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
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    "documentation": null
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"isStreaming" : false,
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"sensitive" : false,
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@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication."
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    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
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"variable" : {
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    "variableName" : "identityPoolId",
    "variableType" : "String",
    "documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"RoleArn" : {
    "beanStyleGetterMethodName" : "getRoleArn",
    "beanStyleSetterMethodName" : "setRoleArn",
    "c2jName" : "RoleArn",
    "c2jShape" : "RoleArn",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #roleArn(String)}.<n>@param roleArn a consumer that will call methods on { @link String.Builder}<n>@return Returns a reference to this object so that method calls can be chained together.<n>@see #roleArn(String)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
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    "enumType" : null,
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    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
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    "fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
    @param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.<n>@return Returns a reference to this object so that method calls can be chained together.
    "fluentSetterMethodName" : "roleArn",
    "getDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
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        "additionalUnmarshallingPath" : null,
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        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "RoleArn",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "RoleArn",
        "uri" : false
    }
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"listModel" : null,
"map" : false,
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,"setterMethodName" : "setRoleArn",
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  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
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  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.<p/>
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"UserPoolId" : {
  "beanStyleGetterMethodName" : "getUserPoolId",
  "beanStyleSetterMethodName" : "setUserPoolId",
  "c2jName" : "UserPoolId",
  "c2jShape" : "UserPoolId",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #userPoolId(String) \}.\n\n@see #userPoolId(String)\n  "deprecated" : false,
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"eventPayload": false,
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"fluentEnumSetterMethodName": null,
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@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "userPoolId",
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@return Specifies the Cognito user pool ID for Kibana authentication.",
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  "documentation": null
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  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "marshallLocationName": "UserPoolId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UserPoolId",
  "uri": false
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"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
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@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
setterMethod Name": "setUserPoolId",
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"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder}. When the {@link Consumer} completes, (@link Boolean.Builder#build()) is called immediately and its result is passed to (@link #enabled(Boolean)).

@see #enabled(Boolean)"
,  "deprecated" : false,
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  "enumType" : null,
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  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@see #enabled(Boolean)"
,  "getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>"",
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  }
}];
"documentation": null
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "marshallLocationName": "Enabled",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Enabled",
  "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"simple": true,
"timestampFormat": null,
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  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
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"setterDocumentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p><p>@param enabled Specifies the option to enable Cognito for Kibana authentication.</p>",
"setterMethodName": "setEnabled",
"setterModel": {
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  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"}
"xmlNameSpaceUri" : null,
}

"beanStyleGetterMethodName" : "getUserPoolId",
"beanStyleSetterMethodName" : "setUserPoolId",
"c2jName" : "UserPoolId",
"c2jShape" : "UserPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #userPoolId(String)}.<p>
Getters:

- UserPoolId(): Specifies the Cognito user pool ID for Kibana authentication.
</p>

- UserPoolId(): Specifies the Cognito user pool ID for Kibana authentication.
</p>

"documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #userPoolId(String)}.<p>
Getters:

- UserPoolId(): Specifies the Cognito user pool ID for Kibana authentication.
</p>

- UserPoolId(): Specifies the Cognito user pool ID for Kibana authentication.
</p>

"endpointDiscoveryId" : false,
"enumType" : null,
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"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "userPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.
@see #userPoolId(String)",
"fluentSetterMethodName" : "userPoolId",
"getterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@return Specifies the Cognito user pool ID for Kibana authentication.
"getterModel" : {

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"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UserPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserPoolId",
"uri" : false
},

"deprecated" : false,
"idempotencyToken" : false,
"isBinary" : false,
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"map" : false,
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"marshallingType" : "STRING",
"name" : "UserPoolId",
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"setterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.\nsetterMethodName" : "setUserPoolId",
"setterModel" : {
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  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
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  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getIdentityPoolId",
"beanStyleSetterMethodName" : "setIdentityPoolId",
"c2jName" : "IdentityPoolId",
"c2jShape" : "IdentityPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #identityPoolId(String)].\n@param identityPoolId a consumer that will call methods on [@link String.Builder]\n@see #identityPoolId(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
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"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethod" : "identityPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "identityPoolId",
"getterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@return Specifies the Cognito identity pool ID for Kibana authentication.",
"getterModel" : {
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  "documentation" : null
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  "greedy" : false,
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  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "IdentityPoolId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "IdentityPoolId",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"marshallingType" : "STRING",
"name" : "IdentityPoolId",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.
@return Specifies the Cognito identity pool ID for Kibana authentication.",
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  "variableName" : "identityPoolId",
  "variableType" : "String",
  "documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "identityPoolId",
"variableType" : "String",
"documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getRoleArn",
"beanStyleSetterMethodName" : "setRoleArn",
"c2jName" : "RoleArn",
"c2jShape" : "RoleArn",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #roleArn(String)}.

Returns a reference to this object so that method calls can be chained together. @see #roleArn(String)",
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"documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>",
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"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "roleArn",
"fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.

Returns a reference to this object so that method calls can be chained together.</p>.

@see #roleArn(String)",
"getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>

@see #roleArn(String)",
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"documentation" : null
},
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "RoleArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RoleArn",
"uri" : false,
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"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RoleArn",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing
Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for
accessing Cognito resources."
"setterMethodName" : "setRoleArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito
resources.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CognitoOptions",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"wrapper": false
},
"CognitoOptionsStatus": {
  "c2jName": "CognitoOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Status of the Cognito options for the specified Elasticsearch domain.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshaller": null,
  "members": [
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options"
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link CognitoOptions.Builder} avoiding the need to create one manually via { @link CognitoOptions#builder()}. When the { @link Consumer} completes, { @link CognitoOptions.Builder#build()} is called immediately and its result is passed to { @link #options(CognitoOptions)}. 

@return Returns a reference to this object so that method calls can be chained together.

@see #options(CognitoOptions)",
"deprecated" : false,
"documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options a consumer that will call methods on { @link CognitoOptions.Builder} when it completes.

@return Returns a reference to this object so that method calls can be chained together.
@link CognitoOptions.Builder#build()",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options Specifies the Cognito options for the specified Elasticsearch domain.

@return Specifies the Cognito options for the specified Elasticsearch domain.
@link CognitoOptions.Builder#build()",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options Specifies the Cognito options for the specified Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null,
{
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder } avoiding the need to create one manually via { @link OptionStatus#builder() }. When the { @link Consumer } completes, { @link OptionStatus.Builder#build() } is called immediately and its result is passed to { @link #status(OptionStatus) }. @return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>"},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.

@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "status",
"getterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.

@return Specifies the status of the Cognito options for the specified Elasticsearch domain.",
"getterModel": {
   "returnType": "OptionStatus",
   "documentation": null
 },
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "Status",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "Status",
   "uri": false
 },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"sensitive": false,
"setterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.

@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setStatus",
"setterModel": {
   "variableDeclarationType": "OptionStatus",
   "variableName": "status",
   "variableType": "OptionStatus",
   "documentation": null,
   "simpleType": "OptionStatus",
   "variableSetterType": "OptionStatus"
 },
"simple": false,
<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>

This is a convenience that creates an instance of the {link CognitoOptions.Builder} avoiding the need to create one manually via {link CognitoOptions#builder()}. When the {link Consumer} completes, {link CognitoOptions.Builder#build()} is called immediately and its result is passed to {link CognitoOptions#options(Consumer)}, {link Consumer#return} returns a reference to this object so that method calls can be chained together.

@see #options(CognitoOptions)

| Deprecated | false |
| EndpointDiscoveryId | false |
| EventHeader | false |
| EventPayload | false |
| FluentEnumGetterMethodName | null |
| FluentEnumSetterMethodName | null |
| FluentGetterMethodName | "options" |
| FluentSetterDocumentation | "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>" |
| FluentSetterMethodName | "options" |
| GetterDocumentation | "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>" |
| GetterModel | { "returnType" : "CognitoOptions" , "documentation" : null } |
| Http | { "additionalMarshallingPath" : null , "additionalUnmarshallingPath" : null , "flattened" : false } |

"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : ":<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
} ]
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "CognitoOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>"
  }
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>\n@param options Specifies the Cognito options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "options",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "options",
"variableType" : "CognitoOptions",
"documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus"}
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. @param status a consumer that will call methods on {@link OptionStatus.Builder}@return Returns a reference to this object so that method calls can be chained together. @see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@return Specifies the status of the Cognito options for the specified Elasticsearch domain.",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "CognitoOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link CognitoOptions.Builder} avoiding the need to create one manually via { @link CognitoOptions#builder()}. When the { @link Consumer} completes, { @link CognitoOptions.Builder#build()} is called immediately and its result is passed to { @link Consumer}. Returns a reference to this object so that method calls can be chained together.
@param options a consumer that will call methods on { @link CognitoOptions.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #options(CognitoOptions)"
  },
  {
    "deprecated" : false,
    "documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.<br/>
@return Specifies the Cognito options for the specified Elasticsearch domain.
<br/>
@return Returns a reference to this object so that method calls can be chained together.
".

"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.<br/>
@return Specifies the Cognito options for the specified Elasticsearch domain.
<br/>
@return Specifies the Cognito options for the specified Elasticsearch domain.
"

"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
}
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}. @param status a consumer that will call methods on { @link OptionStatus.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
Specifies the status of the Cognito options for the specified Elasticsearch domain.@return Returns a reference to this object so that method calls can be chained together. ",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"setterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain."
,"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
"simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "CognitoOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "CognitoOptionsStatus",
   "variableName" : "cognitoOptionsStatus",
   "variableType" : "CognitoOptionsStatus",
   "documentation" : null,
   "simpleType" : "CognitoOptionsStatus",
   "variableSetterType" : "CognitoOptionsStatus"
},
"wrapper" : false
},
"CompatibleVersionsMap" : {
   "c2jName" : "CompatibleVersionsMap",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false,
      "staxTargetDepthOffset" : 0
   },
   "deprecated" : false,
   "documentation" : "<p> A map from an <code> <a>ElasticsearchVersion</a> </code> to a list of compatible <code> <a>ElasticsearchVersion</a> </code> s to which the domain can be upgraded. </p>",
   "endpointDiscovery" : null,
   "enums" : null,
   "errorCode" : null,
   "event" : false,
   "eventStream" : false,
   "explicitEventPayloadMember" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
   "httpStatusCode" : null,
   "marshaller" : null,
   "members" : [ {
      "beanStyleGetterMethodName" : "getSourceVersion",
      "beanStyleSetterMethodName" : "setSourceVersion",
      "c2jName" : "SourceVersion",
      "c2jShape" : "ElasticsearchVersionString"} ]
}
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The current version of Elasticsearch on which a domain is.&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #sourceVersion(String)].\n@param sourceVersion a consumer that will call methods on [@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #sourceVersion(String)",
"deprecated" : false,
"documentation" : "&lt;p&gt;The current version of Elasticsearch on which a domain is.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "sourceVersion",
"fluentSetterDocumentation" : "&lt;p&gt;The current version of Elasticsearch on which a domain is.&lt;/p&gt;\n@param sourceVersion The current version of Elasticsearch on which a domain is.\n@return Returns a reference to this object so that method calls can be chained together.,
"fluentSetterMethodName" : "sourceVersion",
"getterDocumentation" : "&lt;p&gt;The current version of Elasticsearch on which a domain is.&lt;/p&gt;\n@return The current version of Elasticsearch on which a domain is.",
"getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SourceVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "SourceVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
@param sourceVersion The current version of Elasticsearch on which a domain is.",
"setterMethodName" : "setSourceVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getTargetVersions",
  "beanStyleSetterMethodName" : "setTargetVersions",
  "c2jName" : "TargetVersions",
  "c2jShape" : "ElasticsearchVersionList",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object.
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, the method calls are chained together.
@see #targetVersions(List<String>)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "targetVersions",
  "fluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object.
@see #targetVersions(List<String>)",
  "deprecacted" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "targetVersions",
  "fluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object.
@see #targetVersions(List<String>)".

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object so that method calls can be chained together.

"fluentSetterMethodName" : "targetVersions",
"getterDocumentation" : "Returns the value of the TargetVersions property for this object.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

The value of the TargetVersions property for this object.

"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TargetVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TargetVersions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{
  @link String#builder() \}.\n
When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}.\n
@param member a consumer a method that will call methods on \{ @link String.Builder \}\n
@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.\n\n@param targetVersions The new value for the TargetVersions property for this object."
,"setterMethodName" : "setTargetVersions",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "targetVersions",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "targetVersions",
"variableType" : "java.util.List<String>",
"documentation" : "",}
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"SourceVersion" : {
"beanStyleGetterMethodName" : "getSourceVersion",
"beanStyleSetterMethodName" : "setSourceVersion",
"c2jName" : "SourceVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultValueFluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one
manually via [String.Builder]. When the [Consumer] completes, String.Builder#build() is called immediately and its result is passed to [SourceVersion(String)].
@param sourceVersion a consumer that will call methods on String.Builder\n@return Returns a reference to this object so that method calls can be chained together.
@see #sourceVersion(String)",
"deprecated" : false,
"documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "sourceVersion",
"fluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
@<p>
@return The current version of Elasticsearch on which a domain is.</p>
@see #sourceVersion(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SourceVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "SourceVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
@param
sourceVersion The current version of Elasticsearch on which a domain is.",
"setterMethodName" : "setSourceVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetVersions" : {
  "beanStyleGetterMethodName" : "getTargetVersions",
  "beanStyleSetterMethodName" : "setTargetVersions",
  "c2jName" : "TargetVersions",
  "c2jShape" : "ElasticsearchVersionList",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the TargetVersions property for this
object. This is a convenience that creates an instance of the [List<String>.Builder] avoiding the need to
create one manually via [List<String>#builder()]. When the [Consumer] completes, [List<String>#build()] is called immediately and its result is passed to [List<String>].Builder#build()]
@return Returns a reference to this object so that method calls can be chained
together.

@see #targetVersions(List<String>)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersions",
"fluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object.

@param targetVersions The new value for the TargetVersions property for this object.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodFullName" : "targetVersions",
"getterDocumentation" : "Returns the value of the TargetVersions property for this object.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The value of the TargetVersions property for this object."
,"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "TargetVersions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "TargetVersions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member""}
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder().], When the [Consumer] completes, [String.Builder().build()] is called immediately and its result is passed to [String#member(String)].

@see #member(String)

@param member a consumer that will call methods on [String.Builder]
@returns a reference to this object so that method calls can be chained together.

-dismissible" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"statusCode" : false,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"isLocation" : false,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"stringValue" : false,
"map" : null,
"listModel" : null,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}.
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.
@param targetVersions The new value for the TargetVersions property for this object."
,"setterMethodName" : "setTargetVersions",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "targetVersions",}.
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null

"nonStreamingMembers" : [ { 
  "beanStyleGetterMethodName" : "getSourceVersion",
  "beanStyleSetterMethodName" : "setSourceVersion",
  "c2jName" : "SourceVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "\n  \n  The current version of Elasticsearch on which a domain is.
  \n  This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String.Builder\#builder() \}.\n  \n  When the \{ @link Consumer \} completes, \{ @link String.Builder\#build() \} is called immediately and its result is passed to \{ @link #sourceVersion(String) \}.\n  \n  @param sourceVersion a consumer that will call methods on \{ @link String.Builder\}\n  \n  @return Returns a reference to this object so that method calls can be chained together.\n  \n  see #sourceVersion(String)"
},
"deprecated" : false,
"documentation" : "\n  The current version of Elasticsearch on which a domain is.\n  \n  This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String.Builder\#builder() \}.\n  \n  When the \{ @link Consumer \} completes, \{ @link String.Builder\#build() \} is called immediately and its result is passed to \{ @link #sourceVersion(String) \}.\n  \n  @param sourceVersion a consumer that will call methods on \{ @link String.Builder\}\n  \n  @return Returns a reference to this object so that method calls can be chained together.\n  \n  see #sourceVersion(String)"
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "sourceVersion",
"fluentSetterDocumentation" : "\n  \n  The current version of Elasticsearch on which a domain is.\n  \n  The current version of Elasticsearch on which a domain is.\n  \n  @return Returns a reference to this object so that method calls can be chained together.\n  \n  see #sourceVersion(String)"
},
"getterDocumentation" : "\n  \n  The current version of Elasticsearch on which a domain is.\n  \n  The current version of Elasticsearch on which a domain is.\n  \n  @return Returns a reference to this object so that method calls can be chained together.\n  \n  see #sourceVersion(String)"
},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "SourceVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SourceVersion",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "SourceVersion",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "sourceVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "sourceVersion",
  "variableType": "String",
  "documentation": "The current version of Elasticsearch on which a domain is.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"setterDocumentation": "The current version of Elasticsearch on which a domain is.",
"setterMethodName": "setSourceVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "sourceVersion",
  "variableType": "String",
  "documentation": "The current version of Elasticsearch on which a domain is.",
  "simpleType": "String",
  "variableSetterType": "String"
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the @link String.Builder avoiding the need to create
one manually via @link String#builder(). When the @link Consumer completes, @link
String.Builder#build() is called immediately and its result is passed to @link #member(String)).
@return Returns a reference to this object so that method calls can be chained together.@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
    When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link
    #member(String). @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.
    The new value for the Member property for this object.
    @return Returns a reference to this object so that method calls can be chained together.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
    },
  },
},
"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.

@param targetVersions The new value for the TargetVersions property for this object.".
"setterMethodName" : "setTargetVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
}.
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CompatibleVersionsMap",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "compatibleVersionsMap",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"wrapper" : false
},
"CreateElasticsearchDomainRequest" : {

"c2jName" : "CreateElasticsearchDomainRequest",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : ",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
    "action" : "CreateElasticsearchDomain",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/domain",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [
    {
        "beanStyleGetterMethodName" : "getDomainName",
        "beanStyleSetterMethodName" : "setDomainName",
        "c2jName" : "DomainName",
        "c2jShape" : "DomainName",
        "defaultConsumerFluentSetterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen). This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually. When the Consumer completes, the String.Builder is called immediately and its result is passed to the of the DomainName(String).\n\n@see DomainName(String)"
    }
],
"deprecated" : false,
"documentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n@see DomainName(String)"
"endpointDiscoveryId" : false,
"enumType" : null,
The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<p>@param domainName The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<p>@return Returns a reference to this object so that method calls can be chained together.


"sensitive": false,
"setterDocumentation": "<p>The name of the Elasticsearch domain that you are creating. Domain names are
unique across the domains owned by an account within an AWS region. Domain names must start with a letter or
number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName
The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by
an account within an AWS region. Domain names must start with a letter or number and can contain the following
characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique
across the domains owned by an account within an AWS region. Domain names must start with a letter or number
and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
"simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "<p>String of format X.Y to specify version for the
Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see &lt;a
href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains\" target="_blank">Creating Elasticsearch Domains</a> in the &lt;i&gt;Amazon Elasticsearch Service
Developer Guide&lt;/i&gt;.&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the { @link String.Builder } avoiding
the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link
String.Builder#build() } is called immediately and its result is passed to { @link
#elasticsearchVersion(String) }.</p>
@see #elasticsearchVersion(String)",
"deprecated": false,
"documentation": "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or
\"2.3\". For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains\" target="_blank">Creating
Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>. "endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.<p>\n@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>. \n@return String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ElasticsearchVersion",
"sensitive": false,
"setterDocumentation": "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.",
"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
},
"beanStyleGetterMethodName": "getElasticsearchClusterConfig",
"beanStyleSetterMethodName": "setElasticsearchClusterConfig",
"c2jName": "ElasticsearchClusterConfig",
"c2jShape": "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation": "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
This is a convenience that creates an instance of the {@link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchClusterConfig#builder()}.\n\nWhen the {@link Consumer} completes, {@link
ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to {link ElasticsearchClusterConfig(ElasticsearchClusterConfig)}.\n\n@param elasticsearchClusterConfig a consumer that will call methods on {link ElasticsearchClusterConfig.Builder} \n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)";
"deprecated" : false,
"documentation" :
"<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" :
"<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>

:param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.\n\n@return Returns a reference to this object so that method calls can be chained together."
"
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" :
"<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>"

:return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster."
"
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>\n@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via [@link EBSOptions#builder()]{@link EBSOptions#builder()}. When the [ @link Consumer] completes, [ @link EBSOptions.Builder#build()]{@link EBSOptions.Builder#build()}) is called immediately and its result is passed to [ @link #ebsOptions(EBSOptions)]{@link #ebsOptions(EBSOptions)}.
@returns a reference to this object so that method calls can be chained together.@see #ebsOptions(EBSOptions)"
"deprecated" : false,
"documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>"},
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>"};
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.\n@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.\n@return Returns a reference to this object so that method calls can be chained together.\n</p>\n@return Options to enable, disable and specify the type and size of EBS storage volumes.\n"setterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.\n@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.\n"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.
  </p>",
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link accessPolicies(String)}\n@see accessPolicies(String)\n\n@deprecated" : false,
"documentation" : "<p> IAM access policy as a JSON-formatted string.\n</p>\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.\n</p>\n",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.\n</p>\n",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
}

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies
IAM access policy as a JSON-formatted string,",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "<p> IAM access policy as a JSON-formatted string.\n</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated
This is a convenience that creates an instance of the `SnapshotOptions.Builder` avoiding the need to create one manually via `SnapshotOptions#builder()`.

When the `Consumer` completes, `SnapshotOptions.Builder#build()` is called immediately and its result is passed to `SnapshotOptions(SnapshotOptions)`.

```
@override
@see SnapshotOptions(SnapshotOptions)
```

This method returns a reference to this object so that method calls can be chained together.

```
@override
@see SnapshotOptions(SnapshotOptions)
```

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```
Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-vpc).

When the [Consumer] completes, the result is passed to the [VPCOptions] object and its [build] method is called immediately. If the [build] method is called before the [build] method completes, it will be called again after the [build] method completes.

@ see #vpcOptions(VPCOptions)
Creating a VPC in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

- "endpointDiscoveryId": false,
- "enumType": null,
- "eventHeader": false,
- "eventPayload": false,
- "fluentEnumGetterMethodName": null,
- "fluentEnumSetterMethodName": null,
- "fluentGetterMethodName": "vpcOptions",
- "fluentSetterDocumentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.
- @return Returns a reference to this object so that method calls can be chained together."
- "fluentSetterMethodName": "vpcOptions",
- "getterDocumentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.
- @return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.
- "getterModel": {
  "returnType": "VPCOptions",
  "documentation": null
},
- "http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "VPCOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VPCOptions",
  "uri": false
},
- "idempotencyToken": false,
- "isBinary": false,
- "jsonValue": false,
Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>. Creating a VPC in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

This is a convenience that creates an instance of the CognitoOptions.Builder avoiding the need to create one manually via CognitoOptions.Builder(). When the Consumer completes, CognitoOptions.Builder#build() is called immediately and its result is passed to CognitoOptions.
@param cognitoOptions a consumer that will call methods on \{ @link CognitoOptions.Builder\}@n@return Returns a reference to this object so that method calls can be chained together.@n@see \#cognitoOptions(CognitoOptions)

"deprecated" : false,
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<<<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<<<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>.

"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<<<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>.

"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana.

@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana.

.setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana.

.setterMethodName" : "getEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "Specifies the Encryption At Rest Options. This is a convenience that creates an instance of the EncryptionAtRestOptions.Builder avoiding the need to create one manually via EncryptionAtRestOptions.builder(). When the Consumer completes, EncryptionAtRestOptions.Builder#build() is called immediately and its result is passed to EncryptionAtRestOptions a consumer that will
call methods on [@link EncryptionAtRestOptions.Builder]\n@return Returns a reference to this object so that
method calls can be chained together.\n@see #encryptionAtRestOptions(EncryptionAtRestOptions)"
  "deprecated" : false,
  "documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "encryptionAtRestOptions",
  "fluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>\n@param encryptionAtRestOptions Specifies the Encryption At Rest Options.\n@return Returns a reference to this object so that
method calls can be chained together."
  "fluentSetterMethodName" : "encryptionAtRestOptions",
  "getterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>\n@param
"getterModel" : {
  "returnType" : "EncryptionAtRestOptions",
  "documentation" : null
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EncryptionAtRestOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EncryptionAtRestOptions",
    "uri" : false
},
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "EncryptionAtRestOptions",
  "sensitive" : false,
  "setterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>\n@param
encryptionAtRestOptions Specifies the Encryption At Rest Options.

"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "Specifies the Encryption At Rest Options.",
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},


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NodeToNodeEncryptionOptions.

"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions"
"documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
This is a convenience that creates an instance of the [ @link Map<String,String>.Builder] avoiding the need to create one manually via [ @link Map<String,String>#builder()].

When the [ @link Consumer] completes, [ @link Map<String,String>.Builder#build()] is called immediately and its result is passed to [ @link Map<String,String>.Builder#build()].

@returns Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
@param advancedOptions Option to allow references to indices in an HTTP request body. Must be <code>true</code> when configuring access to individual sub-resources. By default, the value is <code>false</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(Map<String,String>)",
"fluentSetterMethodName" : "advancedOptions",
"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
@returns Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(Map<String,String>)",
"xmlNameSpaceUri" : null}
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

```

getterModel : {
  "returnType" : "java.util.Map<String,String">
},

http : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

idempotencyToken : false,

isBinary : false,

isBinary : false,

isStreaming : false,

isStreaming : false,

jivaModel : {
  " KeyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@see #key(String)"
  }
}

```

"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@see #key(String)".

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"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.
@return The value of the Key property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setKey",
"setterModel" : null,
"沫沫" : false,
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #value(String)}. @return Returns a reference to this object so that method calls can be chained together.

@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.

new value for the Value property for this object. @param value The new value for the Value property for this object. @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.

The value of the Value property for this object.",
  "getterModel" : 
}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
"setterDocumentation": "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": "Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

"variableSetterType": "java.util.Map<String,String>"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName": "setLogPublishingOptionsWithStrings",
"c2jName": "LogPublishingOptions",
"c2jShape": "LogPublishingOptions"
This is a convenience that creates an instance of the [Map<String,LogPublishingOption>.Builder] avoiding the need to create one manually via [Map<String,LogPublishingOption>#builder()]. When the [Consumer] completes, [Map<String,LogPublishingOption>.Builder#build()] is called immediately and its result is passed to [logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)].

When the [Consumer] completes, [Map<String,LogPublishingOption>.Builder#build()] is called immediately and its result is passed to [logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)].

@deprecated
@returns a reference to this object so that method calls can be chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)

@returns a reference to this object so that method calls can be chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)

@returns a reference to this object so that method calls can be chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@returns Map of LogType and LogPublishingOption, each containing options to publish a given type of Elasticsearch log.

@returns Map of LogType and LogPublishingOption, each containing options to publish a given type of Elasticsearch log.
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
   "beanStyleGetterMethodName" : "getValue",
   "beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.
This is a convenience that creates an instance of the { @link LogPublishingOption.Builder} avoiding the need to create one manually via { @link LogPublishingOption#builder()}. When the { @link Consumer} completes, { @link LogPublishingOption.Builder#build()} is called immediately and its result is passed to { @link #value(LogPublishingOption)}.
@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.
@see #value(LogPublishingOption)",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},
"marshallingType": "MAP",
"name": "LogPublishingOptions",
"sensitive": false,
"setterDocumentation": "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."
"setterMethodName": "setLogPublishingOptionsWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>",
  "variableName": "logPublishingOptions",
  "variableType": "java.util.Map<String,LogPublishingOption>",
  "documentation": null,
  "simpleType": "Map<String,LogPublishingOption>",
  "variableSetterType": "java.util.Map<String,LogPublishingOption>"
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"simple": false,
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>",
  "variableName": "logPublishingOptions",
  "variableType": "java.util.Map<String,LogPublishingOption>",
  "documentation": "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
  "AccessPolicies": {
    "beanStyleGetterMethodName": "getAccessPolicies",
    "beanStyleSetterMethodName": "setAccessPolicies",
    "c2jName": "AccessPolicies",
    "c2jShape": "PolicyDocument",
    "defaultConsumerFluentSetterDocumentation": "<p> IAM access policy as a JSON-formatted string.<p>\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.\n@see #accessPolicies(String)"
  },
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "accessPolicies",
  "fluentSetterDocumentation": "<p> IAM access policy as a JSON-formatted string.<p>\n@param accessPolicies IAM access policy as a JSON-formatted string.\n@return Returns a reference to this object so that method calls can be chained together."
  },
  "getterDocumentation": "<p> IAM access policy as a JSON-formatted string.<p>\n@return IAM access policy as a JSON-formatted string."
},
"getterModel": {
  "returnType": "String",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
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"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
" sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
  "beanStyleGetterMethodName" : "getAdvancedOptions",
  "beanStyleSetterMethodName" : "setAdvancedOptions",
}
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. </p>

This is a convenience that creates an instance of the [ @link Map<String,String>.Builder] avoiding the need to create one manually via [ @link Map<String,String>#builder()]. When the [ @link Map<String,String>.Builder#build()] is called immediately and its result is passed to [ @link Map<String,String>].

When the [ @link Map<String,String>].Builder#build() is called immediately and its result is passed to [ @link Map<String,String>].Builder] a consumer that will call methods on [ @link Map<String,String>].Builder] a reference to this object so that method calls can be chained together.

@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

Attempts to modify the collection returned by this method will result in an <code>UnsupportedOperationException</code>. When the [ @link Map<String,String>].Builder#build() is called immediately and its result is passed to [ @link Map<String,String>].Builder] a reference to this object so that method calls can be chained together.

@see #advancedOptions(Map<String,String>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

@see #advancedOptions(Map<String,String>)",
"getterDocumentation" : "Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

Attempts to modify the collection returned by this method will result in an <code>UnsupportedOperationException</code>. When the [ @link Map<String,String>].Builder#build() is called immediately and its result is passed to [ @link Map<String,String>].Builder] a reference to this object so that method calls can be chained together.

@see #advancedOptions(Map<String,String>)",
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"documentation" : null
},
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #key(String)}.

@see #key(String)",
  "deprecated" : false,
  "documentation" : ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
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"fluentSetterDocumentation": "Sets the value of the Key property for this object.

@returns Returns a reference to this object so that method calls can be chained together."
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"fluentSetterMethodName": "key",
"getterDocumentation": "Returns the value of the Key property for this object.

@returns The value of the Key property for this object.",

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"marshallingType": "STRING",
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"setterDocumentation": "Sets the value of the Key property for this object.

@returns The new value for the Key property for this object.",

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"variableSetterType": "String"
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  "variableName" : "key",
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  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
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"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this
object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #value(String)}.\n\n@see #value(String)"
, "deprecation" : false,
  "documentation" : "",
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  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
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  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\nReturns a reference to this object so that
method calls can be chained together."
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  "getterDocumentation" : "Returns the value of the Value property for this object."
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  "documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
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"mapModel" : null,
"marshallingType" : "STRING",
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"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object."
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  "variableName" : "value",
  "variableType" : "String",
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  "variableSetterType" : "String"
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  "variableSetterType" : "String"
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"xmlNameSpaceUri" : null
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"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
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"marshallingType" : "MAP"
"name": "AdvancedOptions",
"sensitive": false,
"setterDocumentation": "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p><p></p>
@param advancedOptions Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>",
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>",
},
"xmlNameSpaceUri": null
},
"CognitoOptions": {
  "beanStyleGetterMethodName": "getCognitoOptions",
  "beanStyleSetterMethodName": "setCognitoOptions",
  "c2jName": "CognitoOptions",
  "c2jShape": "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the [@link CognitoOptions.Builder] avoiding the need to create one manually via [@link CognitoOptions#builder()]. When the [@link Consumer] completes, [@link CognitoOptions.Builder#build()] is called immediately and its result is passed to [@link cognitoOptions(CognitoOptions)].

"param cognitoOptions a consumer that will call methods on [@link
CognitoOptions.Builder}
@return Returns a reference to this object so that method calls can be chained
together.

@see #cognitoOptions(CognitoOptions)

"deprecated" : false,
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For
more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana
authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana
authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>

"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication.
For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"getterModel" : {
 "returnType" : "CognitoOptions",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "CognitoOptions",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "CognitoOptions",
 "uri" : false
 },
 "idempotencyToken" : false,
<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>

```

```
String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.

@param domainName a consumer that will call methods on String.Builder

@return Returns a reference to this object so that method calls can be chained together.

See #domainName(String)

deprecated": false,

documentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

endpointDiscoveryId": false,

enumType": null,

eventName": false,

eventPayload": false,

fluentEnumGetterMethodName": null,

fluentEnumSetterMethodName": null,

fluentGetterMethodName": "domainName",

fluentSetterDocumentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

return Returns a reference to this object so that method calls can be chained together.

fluentSetterMethodName": "domainName",

getterDocumentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

return The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

getterModel": {

returnType": "String",

documentation": null
},

http": {

additionalMarshallingPath": null,

additionalUnmarshallingPath": null,

flattened": false,

greedy": false,

header": false,

isPayload": false,

isStreaming": false,

location": null,

marshallLocation": "PAYLOAD",

marshallLocationName": "DomainName",

queryString": false,

statusCode": false,

unmarshallLocationName": "DomainName",

uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"EBSOptions": {
  "beanStyleGetterMethodName": "getEbsOptions",
  "beanStyleSetterMethodName": "setEbsOptions",
  "c2jName": "EBSOptions",
  "c2jShape": "EBSOptions",
  "defaultConsumerFluentSetterDocumentation": "Options to enable, disable and specify the type and size of EBS storage volumes.
  
  When the @link Consumer\n  completes, @link Builder#build() is called immediately and its result is passed to @link
"
# ebsOptions(EBSOptions)

@override

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ebsOptions</td>
<td>a consumer that will call methods on EBSOptions.Builder</td>
</tr>
</tbody>
</table>

## Documentation

<p>Options to enable, disable and specify the type and size of EBS storage volumes.</p>

### Example

```java
EBSOptions ebsOptions = new EBSOptions()
    .withSize(Size.MEDIUM)
    .withType(Type.GENERAL_PURPOSE)
    .build();
```

### See Also

- https://docs.aws.amazon.com/AWSJavaSDK/latest/api/com/amazonaws/services/example/EBSOptions.html

### Notes

- **Deprecation:** false
- **Internal Name:** "ebsOptions"
- **EBSOptions**

## REST

- **HTTP Method:** POST
- **Request URL:** `/2023-05-29/elastic-block-storage`
- **Response Code:** Status code 200
- **Response:** EBSOptions

## Marshalling

- **Marshalling Type:** SDK_POJO
- **Flattened:** false
- **Greedy:** false
- **Header:** false
- **Is Payload:** false
- **Is Streaming:** false
- **Location:** PAYLOAD
- **Additional Marshalling Path:** null
- **Additional Unmarshalling Path:** null
- **URI:** false
- **Is Binary:** false
- **Additional Marshalling Method:** null

## Marshalling Parameters

- **idempotencyToken:** false
- **isBinary:** false
- **queryString:** false
- **statusCode:** false
- **map:** null
- **mapModel:** null
- **marshallingType:** "SDK_POJO"

## Marshalling Parameters

- **name:** "EBSOptions"
Options to enable, disable and specify the type and size of EBS storage volumes.

@elasticsearchClusterConfig(ElasticsearchClusterConfig)

@method elasticsearchClusterConfig(ElasticsearchClusterConfig)

@getter elasticsearchClusterConfig

@setter elasticsearchClusterConfig

@javaType ElasticsearchClusterConfig

The Elasticsearch Cluster Config is a configuration object used to specify the settings for an
Elasticsearch domain cluster. It includes options for instance type, number of instances,
and other configuration parameters.

Public Methods

The ElasticsearchClusterConfig class exposes several public methods to configure

- `elasticsearchClusterConfig(ElasticsearchClusterConfig)`: This method sets the ElasticsearchClusterConfig object. It takes an ElasticsearchClusterConfig instance as a parameter and sets it as

- `elasticsearchClusterConfig()`: This method returns the current ElasticsearchClusterConfig object.

Constructor

- `{ } = ElasticsearchClusterConfig()`: This constructor initializes a new ElasticsearchClusterConfig object.

Properties

- `ElasticsearchClusterConfig`: An instance of the ElasticsearchClusterConfig class.

Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.

This is a convenience that creates an instance of the ElasticsearchClusterConfig.Builder, avoiding the need to create one manually via ElasticsearchClusterConfig#builder().

When the ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to ElasticsearchClusterConfigBuilder#build().

@elasticsearchClusterConfig(ElasticsearchClusterConfig)

@method elasticsearchClusterConfig(ElasticsearchClusterConfig)

@getter elasticsearchClusterConfig

@setter elasticsearchClusterConfig

@javaType ElasticsearchClusterConfig

The Elasticsearch Cluster Config is a configuration object used to specify the settings for an
Elasticsearch domain cluster. It includes options for instance type, number of instances,
and other configuration parameters.

Public Methods

The ElasticsearchClusterConfig class exposes several public methods to configure

- `elasticsearchClusterConfig(ElasticsearchClusterConfig)`: This method sets the ElasticsearchClusterConfig object. It takes an ElasticsearchClusterConfig instance as a parameter and sets it as

- `elasticsearchClusterConfig()`: This method returns the current ElasticsearchClusterConfig object.

Constructor

- `{ } = ElasticsearchClusterConfig()`: This constructor initializes a new ElasticsearchClusterConfig object.

Properties

- `ElasticsearchClusterConfig`: An instance of the ElasticsearchClusterConfig class.

"fluentSetterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. \n@\n@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.\n@\n@return Returns a reference to this object so that method calls can be chained together. \n"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. \n@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.\n",
"getterModel" : {
    "returnType" : "ElasticsearchClusterConfig",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchClusterConfig",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchClusterConfig",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. \n@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.\n",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfig"}
"variableSetterType" : "ElasticsearchClusterConfig" },
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null,
"ElasticsearchVersion" : {
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>. This is a convenience that creates an instance of the @link String.Builder} avoiding the need to create one manually via @link String#builder()). When the @link Consumer} completes, @link String.Builder#build() is called immediately and its result is passed to @link ElasticsearchVersion(String).\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #elasticsearchVersion(String)",
  "deprecated" : false,
  "documentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.\n\n  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "getElasticsearchVersion",
  "fluentEnumSetterMethodName" : "setElasticsearchVersion",
  "fluentGetterMethodName" : "elasticsearchVersion",
  "fluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.\n\n  "Transparent\n\n  "variableSetterType" : "ElasticsearchClusterConfig" );
Creating Elasticsearch Domains

String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see [Creating Elasticsearch Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains) in the [Amazon Elasticsearch Service Developer Guide](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide).

Parameters:

- **elasticsearchVersion**
  - Type: String
  - Description: String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see [Creating Elasticsearch Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains) in the [Amazon Elasticsearch Service Developer Guide](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide).
Creating Elasticsearch Domains

```
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EncryptionAtRestOptions" : {
  "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
  "beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
  "c2jName" : "EncryptionAtRestOptions",
  "c2jShape" : "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
This is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}. When the {@link Consumer} completes, {@link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to {@link EncryptionAtRestOptions(EncryptionAtRestOptions)} a consumer that will call methods on {@link EncryptionAtRestOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #encryptionAtRestOptions(EncryptionAtRestOptions)"
,  "deprecated" : false,
  "documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "encryptionAtRestOptions",
  "fluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
"param encryptionAtRestOptions.EncryptionAtRestOptions)@n@}
```
encryptionAtRestOptions Specifies the Encryption At Rest Options.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>

@return Specifies the Encryption At Rest Options.

"getterModel" : {

"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
" sensitive" : false,
"setterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>

@param encryptionAtRestOptions Specifies the Encryption At Rest Options.

"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {

"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
  "beanStyleGetterMethodName" : "getLogPublishingOptionsAsString",
  "beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
This is a convenience that creates an instance of the [ @link Map<String,LogPublishingOption>.Builder ] avoiding the need to create one manually via [ @link Map<String,LogPublishingOption>.Builder#builder() ].
When the [ @link Consumer ] completes, [ @link Map<String,LogPublishingOption>.Builder#build() ] is called immediately and its result is passed to [ @link Map<String,LogPublishingOption>#builder() ].

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "deprecated" : false,
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
  "enumType" : false,
  "simpleType" : false,
  "eventHeader" : false,
  "endpointDiscoveryId" : null,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "logPublishingOptions",
  "fluentEnumSetterMethodName" : "logPublishingOptions",
  "fluentGetterMethodName" : "logPublishingOptionsAsStrings",
  "fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
"},
"getterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
"}
"getterModel" : {
  "returnType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null
}
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LogPublishingOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LogPublishingOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "interfaceType": "java.util.Map",
  "mapModel": {
    "implType": "java.util.HashMap",
    "keyLocationName": "key",
    "keyModel": {
      "beanStyleGetterMethodName": "getKeyAsString",
      "beanStyleSetterMethodName": "setKey",
      "c2jName": "key",
      "c2jShape": "LogType",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}.\n\nWhen the {@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link String.Builder#build(String)}\n\n@see #key(String)",
      "deprecated": false,
      "documentation": "",
      "endpointDiscoveryId": false,
      "enumType": "LogType",
      "eventHeader": false,
      "eventPayload": false,
      "fluentEnumGetterMethodName": "key",
      "fluentEnumSetterMethodName": "key",
      "fluentGetterMethodName": "keyAsString",
      "fluentSetterDocumentation": "Sets the value of the Key property for this object.\n\n@see #key(String)"
    }
  }
}

@see #key(String)

@deprecated "",
"documentation": "",
"endpointDiscoveryId": false,
"enumType": "LogType",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "key",
"fluentEnumSetterMethodName": "key",
"fluentGetterMethodName": "keyAsString",
"fluentSetterDocumentation": "Sets the value of the Key property for this object.\n\n@see #key(String)"

The new
value for the Key property for this object.

@see LogType

Returns a reference to this object so that method calls can be chained together.

@see LogType

"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object."

If the service returns an enum value that is not available in the current SDK version, it will return LogType#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from #keyAsString."

@return The value of the Key property for this object.

@see LogType

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object."

@param key The new value for the Key property for this object.

@see LogType

"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \[@link LogPublishingOption.Builder\] avoiding the need to create one manually via \[@link LogPublishingOption#builder()\]. When the \[@link Consumer\] completes, \[@link LogPublishingOption.Builder#build()\] is called immediately and its result is passed to \[@link #value(LogPublishingOption)\].\n@param value a consumer that will call methods on \[@link LogPublishingOption.Builder\]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(LogPublishingOption)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation": "Returns the value of the Value property for this object.\n@return The value of the Value property for this object.",
  "getterModel": {
    "returnType": "LogPublishingOption",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"isPayload" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"isPayload" : false,
"isBinary" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"isPayload" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"nameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String, LogPublishingOption>"
}
"marshallerType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
"@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>",
},
"xmlNameSpaceUri" : null,
}

"NodeToNodeEncryptionOptions" : {
  "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
  "c2jName" : "NodeToNodeEncryptionOptions",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "Specifies the NodeToNodeEncryptionOptions.
This is a convenience that creates an instance of the NodeToNodeEncryptionOptions.Builder avoiding the need to create one manually via NodeToNodeEncryptionOptions.Builder#builder().
When the Consumer completes, NodeToNodeEncryptionOptions.Builder#build() is called immediately and its result is passed to NodeToNodeEncryptionOptions.
A consumer that will call methods on NodeToNodeEncryptionOptions.Builder\n@see NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
  "deprecated" : false,
  "documentation" : "Specifies the NodeToNodeEncryptionOptions.
",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.
@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Returns a reference to this object so that method calls can be chained together.
</p>\n@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Specifies the NodeToNodeEncryptionOptions.
</p>\n@return Specifies the NodeToNodeEncryptionOptions.

"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NodeToNodeEncryptionOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.
@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
</p>\n@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Specifies the NodeToNodeEncryptionOptions.

"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}. When the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptions)}.

When the { @link Consumer} completes, { @link #snapshotOptions(SnapshotOptions)} a consumer that will call methods on { @link SnapshotOptions.Builder} a reference to this object so that method calls can be chained together. see #snapshotOptions(SnapshotOptions)",
"deprecated" : false,
"documentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.</p>
@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.
@return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"getterModel" : {
"returnType" : "SnapshotOptions",
"returnType" : "SnapshotOptions"}
documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
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  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
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  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName" : "setSnapshotOptions",
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  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
"setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions",
],
"xmlNameSpaceUri" : null,
],
"VPCOptions" : {
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}.&lt;/p&gt;&lt;p&gt;When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to the param vpcOptions a consumer that will call methods on the VPCOptions.Builder.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #vpcOptions(VPCOptions)\n\n"\n"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;\n\n@see #vpcOptions(VPCOptions)\n\n"\n"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;\n\n@see #vpcOptions(VPCOptions)\n\n"\n"getterModel" : {
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions",
],
"xmlNameSpaceUri" : null,
],
"VPCOptions" : {
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}.&lt;/p&gt;&lt;p&gt;When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to the param vpcOptions a consumer that will call methods on the VPCOptions.Builder.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #vpcOptions(VPCOptions)\n\n"\n"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;\n\n@see #vpcOptions(VPCOptions)\n\n"\n"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;\n\n@see #vpcOptions(VPCOptions)\n\n"\n"getterModel" : {
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions",
],
"xmlNameSpaceUri" : null,
],
"VPCOptions" : {
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}.&lt;/p&gt;&lt;p&gt;When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to the param vpcOptions a consumer that will call methods on the VPCOptions.Builder.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #vpcOptions(VPCOptions)\n\n"\n"deprecated" : false,
"returnType" : "VPCOptions",
"documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "VPCOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VPCOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc)",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
    "variableDeclarationType" : "VPCOptions",
    "variableName" : "vpcOptions",
    "variableType" : "VPCOptions",
    "documentation" : null,
    "simple" : false,
    "simpleSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {  

"variableDeclarationType" : "VPCOptions",
"variableName" : "vpcOptions",
"variableType" : "VPCOptions",
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more info\ninformation, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc\" target="_blank\">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service\nDomains</i></p>",
"simpleType" : "VPCOptions",
"variableSetterType" : "VPCOptions"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link String#build()}.\n\n@see { @link String#build()}\n  "deprecated" : false,
  "documentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
  @return Returns a reference to this object so that method calls can be chained together.\n  @see #domainName(String)",
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
  @return The name of
the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "DomainName",

"sensitive" : false,

"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>\n\n@param domainName The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",

"setterMethodName" : "setDomainName",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
}
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsNameSpaceUri": null

},

"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the [@link Consumer] completes, the [@link String.Builder#build()] is called immediately and its result is passed to the method. When the method completes, it returns a reference to this object so that method calls can be chained together.

@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)
"
calls can be chained together.

"getterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

@returns String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

@returns String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "ElasticsearchVersion",

"sensitive" : false,

"setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

@returns String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"setterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "ElasticsearchVersion",

"sensitive" : false,
options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain
cluster.\n\n@return Returns a reference to this object so that method calls can be chained together.,
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type
and number of instances in the domain cluster. </p>
@return Configuration options for an Elasticsearch domain. Specifies the instance type and
number of instances in the domain cluster.,
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and
number of instances in the domain cluster. </p>\n\n@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and
number of instances in the domain cluster.,
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchClusterConfig",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : null,
"simpleType" : "ElasticsearchClusterConfig",
"variableSetterType" : "ElasticsearchClusterConfig"}
"simple": false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to @link EBSOptions.EBSOptions(EBSOptions).\n@param ebsOptions a consumer that will call methods on @link EBSOptions.Builder\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #ebsOptions(EBSOptions)",
"deprecated" : false,
"documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.
@return Returns a reference to this object so that method calls can be chained together.\n".
"fluentSetterMethodName" : "ebsOptions",
"getterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. \n@returns Returns a reference to this object so that method calls can be chained together.\n"
"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
In param `ebsOptions` Options to enable, disable and specify the type and size of EBS storage volumes.

```java
@Param

@Param
```

Options to enable, disable and specify the type and size of EBS storage volumes.

```java

@Param

@Param
```

Options to enable, disable and specify the type and size of EBS storage volumes.

```java

@Param

@Param
```
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder()`. When the completion of the consumer is called immediately and its result is passed to `accessPolicies(String)`.

@see #accessPolicies(String)

@method accessPolicies

```
@accessPolicies(a<br/>

@returns Returns a reference to this object so that method calls can be chained together.
```
I AM access policy as a JSON-formatted string.

```java
setterMethodName": "setAccessPolicies",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": "IAM access policy as a JSON-formatted string.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getSnapshotOptions",
"beanStyleSetterMethodName": "setSnapshotOptions",
"c2jName": "SnapshotOptions",
"c2jShape": "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation": "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\nThis is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}\nWhen the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link SnapshotOptions(SnapshotOptions)\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #snapshotOptions(SnapshotOptions) torture.\n  "documentation": "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\n""",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,

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"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>@return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"getterModel" : {
 "returnType" : "SnapshotOptions",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "SnapshotOptions",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SnapshotOptions",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "SDK_POJO",
 "name" : "SnapshotOptions",
 "sensitive" : false,
 "setterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.@return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
 "setterMethodName" : "setSnapshotOptions",
 "setterModel" : {
 "variableDeclarationType" : "SnapshotOptions",
 "variableName" : "snapshotOptions",
 "variableType" : "SnapshotOptions",
 "documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. &lt;/p&gt;",
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank"&gt;Creating a VPC&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;

This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}. When the {@link Consumer} completes, {@link VPCOptions.Builder#build()}} is called immediately and its result is passed to {@link #vpcOptions(VPCOptions)}. A consumer that will call methods on {@link VPCOptions.Builder} return Returns a reference to this object so that method calls can be chained together.&lt;see #vpcOptions(VPCOptions)&gt;",
"deprecated" : false,
"documentation" : "&lt;p&gt;Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank"&gt;Creating a VPC&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "&lt;p&gt;Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank"&gt;Creating a VPC&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;\n\n\n@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank"&gt;Creating a VPC&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;\n\n\n@return Returns a reference to this object so that
method calls can be chained together.

"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>

@return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

"setterMethodName" : "setVpcOptions",
"setterModel" : {

"variableDeclarationType" : "VPCOptions",
"variableName" : "vpcOptions",
"variableType" : "VPCOptions",
"documentation" : null,
"simpleType" : "VPCOptions",
"variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "VPCOptions",
"variableName" : "vpcOptions",
"variableType" : "VPCOptions",
"documentation" : null,
"simpleType" : "VPCOptions",
"variableSetterType" : "VPCOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "\<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>\n\nThis is a convenience that creates an instance of the \{@link CognitoOptions.Builder\} avoiding the need to create one manually via \{@link CognitoOptions#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link CognitoOptions.Builder#build()\} is called immediately and its result is passed to \{@link CognitoOptionsBuilder\}.\n\n@see \cognitoOptions(CognitoOptions)\n\n\param cognitoOptions a consumer that will call methods on \{@link CognitoOptionsBuilder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see \cognitoOptions(CognitoOptions)\n\n\"deprecated" : false,
"documentation" : "\<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>\n\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : "null",
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "\<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>\n\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : "null",
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "\<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : "null",
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "\<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : "null",
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "\<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>";
Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
"}
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null,
}, {
  "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
  "beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
  "c2jName" : "EncryptionAtRestOptions",
  "c2jShape" : "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
This is a convenience that creates an instance of the [@link EncryptionAtRestOptions.Builder] avoiding the need to create one manually via [@link EncryptionAtRestOptions#builder()].
When the [@link Consumer] completes, [@link EncryptionAtRestOptions.Builder#build()] is called immediately and its result is passed to [@link #encryptionAtRestOptions(EncryptionAtRestOptions)].
@param encryptionAtRestOptions a consumer that will call methods on [@link EncryptionAtRestOptions.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "encryptionAtRestOptions",
  "fluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@param encryptionAtRestOptions Specifies the Encryption At Rest Options.
@return Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
  "getterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
  "setterMethodName" : "encryptionAtRestOptions",
  "setterModel" : {
    "variableDeclarationType" : "EncryptionAtRestOptions",
    "variableName" : "encryptionAtRestOptions",
    "variableType" : "EncryptionAtRestOptions",
    "documentation" : null,
    "simpleType" : "EncryptionAtRestOptions",
    "variableSetterType" : "EncryptionAtRestOptions"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "EncryptionAtRestOptions",
    "variableName" : "encryptionAtRestOptions",
    "variableType" : "EncryptionAtRestOptions",
    "documentation" : null,
    "simpleType" : "EncryptionAtRestOptions",
    "variableSetterType" : "EncryptionAtRestOptions"
  },
  "xmlNameSpaceUri" : null,
}
At Rest Options.

getterModel": {
"returnType": "EncryptionAtRestOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EncryptionAtRestOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EncryptionAtRestOptions",
"uri": false
},
idempotencyToken": false,
isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"敏感": false,
"setterDocumentation": "<p>Specifies the Encryption At Rest Options.<p>@param encryptionAtRestOptions Specifies the Encryption At Rest Options."

setterMethodName": "setEncryptionAtRestOptions",

setterModel": {
"variableDeclarationType": "EncryptionAtRestOptions",
"variableName": "encryptionAtRestOptions",
"variableType": "EncryptionAtRestOptions",
"documentation": null,
"simpleType": "EncryptionAtRestOptions",
"variableSetterType": "EncryptionAtRestOptions"
},
"simple": false,
timestampFormat": null,

variable": {
"variableDeclarationType": "EncryptionAtRestOptions",
"variableName": "encryptionAtRestOptions",
"variableType": "EncryptionAtRestOptions",
"variable": "EncryptionAtRestOptions",
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"variable": "EncryptionAtRestOptions",
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"variable": "EncryptionAtRestOptions",

getterModel": {
"returnType": "EncryptionAtRestOptions",
"documentation": null
},
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlnsSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}. When the {@link Consumer} completes, {@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to
{
@link #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}@param nodeToNodeEncryptionOptions a consumer that will call methods on

"deprecated" : false,
"documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
"endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Returns a reference to this object so that method calls can be chained together.
@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)"
,"nodeToNodeEncryptionOptions": "<p>Specifies the NodeToNodeEncryptionOptions.</p>
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
)}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param
nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getAdvancedOptions",
  "beanStyleSetterMethodName" : "setAdvancedOptions",
  "c2jName" : "AdvancedOptions",
  "c2jShape" : "AdvancedOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link
Map<String,String>#builder()

When the {@link Consumer} completes, {@link Map<String,String>.Builder#build()} is called immediately and its result is passed to {@link Map<String,String>.Builder#build()}.

"deprecated" : false,
"documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>.


"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>",

"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>"

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

@see #advancedOptions(Map<String,String>)"
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "AdvancedOptions",
"queryString": false,
"statuscode": false,
"unmarshallLocationName": "AdvancedOptions",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.\n\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #key(String) }.\n\n@param key a consumer that will call methods on { @link String.Builder }\n@returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "key",
  "fluentSetterDocumentation": "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n@returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "key",
  "getterDocumentation": "Returns the value of the Key property for this object.\n@returns The value of the Key property for this object."
}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : ": Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object."

            ,
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : ":",
  "simpleType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to value(String). param value a consumer that will call methods on String.Builder. return Returns a reference to this object so that method calls can be chained together. see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object. return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
}
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@\n\n@param value The new value for the Value property for this object."
,"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "AdvancedOptions",
"sensitive": false,
"setterDocumentation": "<p>Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>@\n\n@param advancedOptions Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developersguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultValueConsumerFluentSetterDocumentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log. This is a convenience that creates an instance of the {<link Map<String,LogPublishingOption>}.Builder} avoiding the need to create one manually via {<link Map<String,LogPublishingOption>#builder()}>. When the {<link Map<String,LogPublishingOption>}.Builder#build()} is called immediately and its result is passed to {<link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)>}. A @param logPublishingOptions a consumer that will call methods on {<link Map<String,LogPublishingOption>}.Builder}.

@returns Returns a reference to this object so that method calls can be chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.<br/>\n@returns Returns a reference to this object so that method calls can be chained together.
</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.<br/>\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.<br/>\n@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
"getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LogPublishingOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LogPublishingOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
    "implType" : "java.util.HashMap",
    "interfaceType" : "java.util.Map",
    "keyLocationName" : "key",
    "keyModel" : {
        "beanStyleGetterMethodName" : "getKeyAsString",
        "beanStyleSetterMethodName" : "setKey",
        "c2jName" : "key",
        "c2jShape" : "LogType",

"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String.Builder#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #keyAsString(String)}. @param key a consumer that will call methods on {link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #key(String)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType
@return Returns a reference to this object so that method calls can be chained together.@see LogType",

"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, {link #key} will return {link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {link #keyAsString}.@return The value of the Key property for this object.@see LogType",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the \n{@link LogPublishingOption.Builder} avoiding the need to create one manually via \n{@link LogPublishingOption.Builder#builder}).\n\nWhen the \n{@link Consumer} completes, \n{@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to \n{@link LogPublishingOption.Builder#build()}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(LogPublishingOption)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.
@returns or The new value for the Value property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.
@returns The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.
@returns The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
}
,"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."
,"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
 "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
 "variableName" : "logPublishingOptions",
 "variableType" : "java.util.Map<String,LogPublishingOption>",
 "documentation" : null,
 "simpleType" : "Map<String,LogPublishingOption>",
 "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
 "variableName" : "logPublishingOptions",
 "variableType" : "java.util.Map<String,LogPublishingOption>",
 "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>"
,"simpleType" : "Map<String,LogPublishingOption>",
 "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
}
,"xmlNameSpaceUri" : null
}]
"shapeName" : "CreateElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateElasticsearchDomainRequest",
  "variableName" : "createElasticsearchDomainRequest",
  "variableType" : "CreateElasticsearchDomainRequest",
  "documentation" : null,
  "simpleType" : "CreateElasticsearchDomainRequest",
  "variableSetterType" : "CreateElasticsearchDomainRequest"
},
"wrapper" : false
},
"CreateElasticsearchDomainResponse" : {
  "c2jName" : "CreateElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The result of a <code>CreateElasticsearchDomain</code> operation. Contains the status of the newly created Elasticsearch domain.",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    { "beanStyleGetterMethodName" : "getDomainStatus",
      "beanStyleSetterMethodName" : "setDomainStatus",
      "c2jName" : "DomainStatus",
      "c2jShape" : "ElasticsearchDomainStatus",
      "defaultConsumerFluentSetterDocumentation" : "The status of the newly created Elasticsearch domain."
    }
  ]
},
"defaultConsumerFluentSetterDocumentation" : "The status of the newly created Elasticsearch domain."

This is a convenience that creates an instance of the [@link ElasticsearchDomainStatus.Builder] avoiding the need to create one manually via [@link ElasticsearchDomainStatus#builder()].

When the [@link Consumer] completes, [@link ElasticsearchDomainStatus.Builder#build()] is called immediately and its result is passed to [@link #domainStatus(ElasticsearchDomainStatus)].

@return Returns a reference to this object so that method calls can be
chained together.

`@see #domainStatus(ElasticsearchDomainStatus)`,

"deprecated" : false,
"documentation" : "<p>The status of the newly created Elasticsearch domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@param domainStatus The status of the newly created Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@return The status of the newly created Elasticsearch domain.",
"getterModel" : {
 "returnType" : "ElasticsearchDomainStatus",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainStatus",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainStatus",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@param domainStatus The status of the newly created Elasticsearch domain."
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "The status of the newly created Elasticsearch domain.",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DomainStatus" : {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "The status of the newly created Elasticsearch domain.
This is a convenience that creates an instance of the {link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {link ElasticsearchDomainStatus#builder()}. When the {link Consumer} completes, {link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {link #domainStatus(ElasticsearchDomainStatus)}.
@param domainStatus a consumer that will call methods on {link ElasticsearchDomainStatus.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainStatus(ElasticsearchDomainStatus)",
    "deprecated" : false,
    "documentation" : "The status of the newly created Elasticsearch domain.",
    "endpointDiscoveryId" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainStatus",
    "fluentSetterDocumentation" : "The status of the newly created Elasticsearch domain.
\n@return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "domainStatus",
    "getterDocumentation" : "The status of the newly created Elasticsearch domain."
  }
}
of the newly created Elasticsearch domain.

getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainStatus",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>\n@param domainStatus The status of the newly created Elasticsearch domain.",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "domainStatus",
    "variableType" : "ElasticsearchDomainStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchDomainStatus",
    "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "domainStatus",
    "variableType" : "ElasticsearchDomainStatus"
"documentation" : "<p>The status of the newly created Elasticsearch domain. </p>",
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlnsSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the newly created Elasticsearch domain. 

This is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}. 

When the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {@link #domainStatus(ElasticsearchDomainStatus)}. 

@see #domainStatus(ElasticsearchDomainStatus)",
  "deprecated" : false,
  "documentation" : "<p>The status of the newly created Elasticsearch domain. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>

@param domainStatus The status of the newly created Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

@see #domainStatus(ElasticsearchDomainStatus)",
  "getterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>

@return The status of the newly created Elasticsearch domain.

@see #domainStatus(ElasticsearchDomainStatus)",
  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
  }
}]}
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. 
@n@param domainStatus The status of the newly created Elasticsearch domain."
,"setterMethodName" : "setDomainStatus",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : "<p>The status of the newly created Elasticsearch domain. 
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
}]},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CreateElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
}.}
"variable": {
  "variableDeclarationType": "CreateElasticsearchDomainResponse",
  "variableName": "createElasticsearchDomainResponse",
  "variableType": "CreateElasticsearchDomainResponse",
  "documentation": null,
  "simpleType": "CreateElasticsearchDomainResponse",
  "variableSetterType": "CreateElasticsearchDomainResponse"
},
"wrapper": false
},
"DeleteElasticsearchDomainRequest": {
  "c2jName": "DeleteElasticsearchDomainRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Container for the parameters to the <code>DeleteElasticsearchDomain</code> operation. Specifies the name of the Elasticsearch domain that you want to delete.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": {
    "action": "DeleteElasticsearchDomain",
    "locationName": null,
    "requestUri": "/2015-01-01/es/domain/{DomainName}"
  },
  "members": [
    {"beanStyleGetterMethodName": "getDomainName",
     "beanStyleSetterMethodName": "setDomainName",
     "c2jName": "DomainName",
     "c2jShape": "DomainName",
     "defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the
need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #domainName(String)\}.\n\n@param domainName a consumer that will call methods on \{@link String.Builder\} \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #domainName(String)
"sensitive": false,
"setterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.<\/p>\n@param domainName The name of the Elasticsearch domain that you want to permanently delete.\n"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "DomainName": {
    "beanStyleGetterMethodName": "getDomainName",
    "beanStyleSetterMethodName": "setDomainName",
    "c2jName": "DomainName",
    "c2jShape": "DomainName",
    "defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>\nThis is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String#builder()}.\n\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #domainName(String)}.
\n@<param domainName a consumer that will call methods on {\link String.Builder} that return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
    "deprecated": false,
    "documentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>\n  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "domainName",
  "fluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>\n@<param domainName The name of the Elasticsearch domain that you want to permanently delete.\n@return Returns a reference to this object so that method calls can be chained together."",}
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@return The name of the Elasticsearch domain that you want to permanently delete.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "uri",
    "marshallLocation" : "PATH",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.",
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"}
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"simple" : true,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "DeleteElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshalller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteElasticsearchDomainRequest",
"variableName" : "deleteElasticsearchDomainRequest",
"variableType" : "DeleteElasticsearchDomainRequest",
"documentation" : null,
"simpleType" : "DeleteElasticsearchDomainRequest",
"variableSetterType" : "DeleteElasticsearchDomainRequest"
},
"wrapper" : false
},
"DeleteElasticsearchDomainResponse" : {
"c2jName" : "DeleteElasticsearchDomainResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "The result of a <code>DeleteElasticsearchDomain</code> request. Contains the status of the pending deletion, or no status if the domain and all of its resources have been deleted.",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"endpointDiscoveryId" : false,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted.\nThis is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}.\nWhen the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()}) is called immediately and its result is passed to {@link #domainStatus(ElasticsearchDomainStatus)}\n@see ElasticsearchDomainStatus\n@see ElasticsearchDomainStatus.Builder\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #domainStatus(ElasticsearchDomainStatus)"
  }
],
"deprecated" : false,
"documentation" : "The status of the Elasticsearch domain being deleted.\nThis is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}.\nWhen the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()}) is called immediately and its result is passed to {@link #domainStatus(ElasticsearchDomainStatus)}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see ElasticsearchDomainStatus\n@see ElasticsearchDomainStatus.Builder\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #domainStatus(ElasticsearchDomainStatus)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainStatus",
"fluentSetterDocumentation": "<p>The status of the Elasticsearch domain being deleted.</p>
@param domainStatus The status of the Elasticsearch domain being deleted.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "domainStatus",
"getterDocumentation": "<p>The status of the Elasticsearch domain being deleted.</p>
@return The status of the Elasticsearch domain being deleted.",
"getterModel": {
"returnType": "ElasticsearchDomainStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainStatus",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainStatus",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "DomainStatus",
"sensitive": false,
"setterDocumentation": "<p>The status of the Elasticsearch domain being deleted.</p>
@param domainStatus The status of the Elasticsearch domain being deleted.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setDomainStatus",
"setterModel": {
"variableDeclarationType": "ElasticsearchDomainStatus",
"variableName": "domainStatus",
"variableType": "ElasticsearchDomainStatus"
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
"simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"}

"xmlNameSpaceUri" : null

"membersAsMap" : {
  "DomainStatus" : {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
  This is a convenience that creates an instance of the [link ElasticsearchDomainStatus.Builder] avoiding the need to create one manually via [link ElasticsearchDomainStatus#builder()].

When the [link Consumer] completes, [link ElasticsearchDomainStatus.Builder#build()] is called immediately and its result is passed to [link #domainStatus(ElasticsearchDomainStatus)].</p>
@param domainStatus a consumer that will call methods on [link ElasticsearchDomainStatus.Builder]
@return Returns a reference to this object so that method calls can be chained together.</p>
@see #domainStatus(ElasticsearchDomainStatus)
"
  "deprecated" : false,
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
  The status of the Elasticsearch domain being deleted.
  @return Returns a reference to this object so that method calls can be chained together.
  
  @param domainStatus The status of the Elasticsearch domain being deleted.
  @return The status of the Elasticsearch domain being deleted.
  
  @param Model" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  }

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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
@param domainStatus The status of the Elasticsearch domain being deleted.
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
  When the method completes, the ElasticsearchDomainStatus.Builder#build() is called immediately and its result is passed to ElasticsearchDomainStatus. The status of the Elasticsearch domain being deleted.
  @return Returns a reference to this object so that method calls can be chained together.
  <p>@see #domainStatus(ElasticsearchDomainStatus)</p>
  "deprecated" : false,
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>",
  "enumType" : null,
  "eventDiscoveryId" : false,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
  @return Returns a reference to this object so that method calls can be chained together.
  "getterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
  @return The status of the Elasticsearch domain being deleted.
  "getterModel" : {
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false}
The status of the Elasticsearch domain being deleted.

@param domainStatus

The status of the Elasticsearch domain being deleted.

@see ElasticsearchDomainStatus

{ "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "documentation" : "% The status of the Elasticsearch domain being deleted.
  
  @see ElasticsearchDomainStatus
  
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    "documentation" : null,
    "variableSetterType" : "DeleteElasticsearchDomainResponse"
  }
}

{ "xmlNameSpaceUri" : null
}

{ "requestSignerAware" : false,
  "requestSignerClassFqn" : null,
  "required" : null,
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  "simpleMethod" : false,
  "unmarshaller" : { 
    "flattened" : false,
    "resultWrapper" : null
  }
}

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    "variableName" : "deleteElasticsearchDomainResponse",
    "documentation" : null,
  }
}
"simpleType" : "DeleteElasticsearchDomainResponse",
"variableSetterType" : "DeleteElasticsearchDomainResponse"
}
,"wrapper" : false
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"DeleteElasticsearchServiceRoleRequest" : {
"c2jName" : "DeleteElasticsearchServiceRoleRequest",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
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"deprecated" : false,
"documentation" : null,
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
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 "requestUri" : "/2015-01-01/es/role",
 "target" : null,
 "verb" : "DELETE",
 "xmlNameSpaceUri" : null
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"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
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"required" : null,
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"unmarshaller" : null,
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 "variableType" : "DeleteElasticsearchServiceRoleRequest",
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"unmarshaller" : null,
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 "variableType" : "DeleteElasticsearchServiceRoleRequest",
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 "variableType" : "DeleteElasticsearchServiceRoleRequest",
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 "variableType" : "DeleteElasticsearchServiceRoleRequest",
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"documentation" : null,
"simpleType" : "DeleteElasticsearchServiceRoleRequest",
"variableSetterType" : "DeleteElasticsearchServiceRoleRequest"
},
"wrapper" : false
}.
"DeleteElasticsearchServiceRoleResponse" : {
"c2jName" : "DeleteElasticsearchServiceRoleResponse",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : null,
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
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"required" : null,
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"simpleMethod" : false,
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 "flattened" : false,
 "resultWrapper" : null
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 "variableSetterType" : "DeleteElasticsearchServiceRoleResponse"
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
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"deprecated" : false,
"documentation" : ",",
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"value" : "PENDING_UPDATE"
}, {
"name" : "IN_PROGRESS",
"value" : "IN_PROGRESS"
}, {
"name" : "COMPLETED",
"value" : "COMPLETED"
}, {
"name" : "NOT_ELIGIBLE",
"value" : "NOT_ELIGIBLE"
}, {
"name" : "ELIGIBLE",
"value" : "ELIGIBLE"
} ],
"errorCode" : null,
"event" : false,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
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"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
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"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeploymentStatus"
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeploymentStatus",
  "variableName" : "deploymentStatus",
  "variableType" : "DeploymentStatus",
  "documentation" : null,
  "simpleType" : "DeploymentStatus",
  "variableSetterType" : "DeploymentStatus"
},
"wrapper" : false
},
"DescribeElasticsearchDomainConfigRequest" : {
  "c2jName" : "DescribeElasticsearchDomainConfigRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for the parameters to the <code>DescribeElasticsearchDomainConfig</code> operation. Specifies the domain name for which you want configuration information. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
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    "locationName" : null,
    "requestUri" : "/2015-01-01/es/domain/{DomainName}/config",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    "beanStyleGetterMethodName" : "getDomainName",}
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.\n@param domainName a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>",
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@param domainName The Elasticsearch domain that you want to get information about.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@return The Elasticsearch domain that you want to get information about.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"map": false,
"mapModel": null,
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"name": "DomainName",
"sensitive": false,
"setterDocumentation": "<p>The Elasticsearch domain that you want to get information about.</p>
@param
domainName The Elasticsearch domain that you want to get information about.",
"setterMethodName": "setDomainName",
"setterModel": {
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
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"timestampFormat": null,
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>The Elasticsearch domain that you want to get information about.</p>
  "complexType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
  "DomainName": {
    "beanStyleGetterMethodName": "getDomainName",
    "beanStyleSetterMethodName": "setDomainName",
    "c2jName": "DomainName",
    "c2jShape": "DomainName",
    "defaultConsumerFluentSetterDocumentation": "<p>The Elasticsearch domain that you want to get information about.</p>
    "complexType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
}
}
"deprecated": false,
"documentation": "<p>The Elasticsearch domain that you want to get information about.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventIdHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@param domainName The Elasticsearch domain that you want to get information about.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@return The Elasticsearch domain that you want to get information about.",
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    "documentation" : null
},
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    "isPayload" : false,
    "isStreaming" : false,
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    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"setterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@param domainName The Elasticsearch domain that you want to get information about.
@return The Elasticsearch domain that you want to get information about.",
"setterMethodName" : "setDomainName",
"setterModel" : {
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    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
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"timestampFormat": null,
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>The Elasticsearch domain that you want to get information about.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"nonStreamingMembers": [{
  "beanStyleGetterMethodName": "getDomainName",
  "beanStyleSetterMethodName": "setDomainName",
  "c2jName": "DomainName",
  "c2jShape": "DomainName",
  "defaultConsumerFluentSetterDocumentation": "<p>The Elasticsearch domain that you want to get information about.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}. @param domainName a consumer that will call methods on { @link String.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #domainName(String)",
  "deprecated": false,
  "documentation": "<p>The Elasticsearch domain that you want to get information about.</p>",
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  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "domainName",
  "fluentSetterDocumentation": "<p>The Elasticsearch domain that you want to get information about.</p>
@param domainName The Elasticsearch domain that you want to get information about.
@return Returns a reference to this object so that method calls can be chained together."
,  "fluentSetterMethodName": "domainName",
  "getterDocumentation": "<p>The Elasticsearch domain that you want to get information about.</p>
@returns The Elasticsearch domain that you want to get information about."
,  "getterModel": {
  "returnType": "String",
  "documentation": null
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  "http": {
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    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
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"marshallLocation": "PATH",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": true,
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "<p>The Elasticsearch domain that you want to get information about.</p>
@param domainName The Elasticsearch domain that you want to get information about.",
"setterMethodName": "setDomainName",
"setterModel": {
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>\nThe Elasticsearch domain that you want to get information about.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
]
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "DomainName" ],
"shapeName": "DescribeElasticsearchDomainConfigRequest",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DescribeElasticsearchDomainConfigRequest",
  "variableName": "describeElasticsearchDomainConfigRequest",
  "variableType": "DescribeElasticsearchDomainConfigRequest",
  "documentation": null,
  "simpleType": "DescribeElasticsearchDomainConfigRequest",
  "variableSetterType": "DescribeElasticsearchDomainConfigRequest"
},
"wrapper": false
},
"DescribeElasticsearchDomainConfigResponse": {
  "c2jName": "DescribeElasticsearchDomainConfigResponse",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "The result of a <code>DescribeElasticsearchDomainConfig</code> request. Contains the configuration information of the requested domain.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    "beanStyleGetterMethodName": "getDomainConfig",
    "beanStyleSetterMethodName": "setDomainConfig",
    "c2jName": "DomainConfig",
    "c2jShape": "ElasticsearchDomainConfig",
    "defaultConsumerFluentSetterDocumentation": "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request. This is a convenience that creates an instance of the { @link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchDomainConfig#builder()}. When the { @link Consumer} completes, { @link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchDomainConfig(ElasticsearchDomainConfig)}.<p>\n@param domainConfig a consumer that will call methods on
@link ElasticsearchDomainConfig.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainConfig(ElasticsearchDomainConfig)

"deprecated" : false,
"documentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n</p>
@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
@return Returns a reference to this object so that method calls can be chained together.\n"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n</p>
@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
@return Returns a reference to this object so that method calls can be chained together.\n"endpointDiscoveryId" : false,
"enumType" : null,
"isPayload" : false,
"isStreaming" : false,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO"
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.\n</p>\n@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n\n@returns A reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.\n</p>\n@return The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n\n"getterModel" : { 
"returnType" : "ElasticsearchDomainConfig",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.\n</p>\n@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n\n"setterMethodName" : "setDomainConfig",
"setterModel" : { 
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig" ,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.\n</p>\n@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.\n\n"setterMethodName" : "setDomainConfig",
"setterModel" : { 
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig" ,
"variableType" : "ElasticsearchDomainConfig",
"documentation" : null,
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : "The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request."",
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {  
"beanStyleGetterMethodName" : "getDomainConfig",
"beanStyleSetterMethodName" : "setDomainConfig",
"c2jName" : "DomainConfig",
"c2jShape" : "ElasticsearchDomainConfig",
"defaultConsumerFluentSetterDocumentation" : "The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request. This is a convenience that creates an
instance of the { @link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via { @link
ElasticsearchDomainConfig#builder()}. When the { @link Consumer} completes, { @link
ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to { @link
domainConfig(ElasticsearchDomainConfig)}.
@param domainConfig a consumer that will call methods on
{ @link ElasticsearchDomainConfig.Builder}\n@return Returns a reference to this object so that method calls can be
chained together.\n@see #domainConfig(ElasticsearchDomainConfig)",
"deprecated" : false,
"documentation" : "The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request."
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.
@param domainConfig The configuration
information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.\n@return Returns a reference to this object so that method calls can be
chained together.\n",  
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "The configuration information of the domain requested in the
DescribeElasticsearchDomainConfig</code> request.

@return The configuration information of the domain requested in the DescribeElasticsearchDomainConfig</code> request.

```
"getterModel" : {
  "returnType" : "ElasticsearchDomainConfig",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainConfig",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "DomainConfig",

"sensitive" : false,

"setterDocumentation" : "The configuration information of the domain requested in the DescribeElasticsearchDomainConfig request.

@param domainConfig The configuration information of the domain requested in the DescribeElasticsearchDomainConfig request.

"setterMethodName" : "setDomainConfig",

"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"timestampFormat" : null,

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  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"timestampFormat" : null,

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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

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  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
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"simple" : false,

"timestampFormat" : null,
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.</p>",
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainConfig" ],
"shapeName" : "DescribeElasticsearchDomainConfigResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainConfigResponse",
  "variableName" : "describeElasticsearchDomainConfigResponse",
  "variableType" : "DescribeElasticsearchDomainConfigResponse",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchDomainConfigResponse",
  "variableSetterType" : "DescribeElasticsearchDomainConfigResponse"
},
"wrapper" : false
},
"DescribeElasticsearchDomainRequest" : {
"c2jName" : "DescribeElasticsearchDomainRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the
<code><a>DescribeElasticsearchDomain</a></code> operation.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
   "action" : "DescribeElasticsearchDomain",
   "locationName" : null,
   "requestUri" : "/2015-01-01/es/domain/{DomainName}",
   "target" : null,
   "verb" : "GET",
   "xmlNameSpaceUri" : null
},
"members" : [
   {
      "beanStyleGetterMethodName" : "getDomainName",
      "beanStyleSetterMethodName" : "setDomainName",
      "c2jName" : "DomainName",
      "c2jShape" : "DomainName",
      "defaultConsumerFluentSetterDocumentation" : "\p> The name of the Elasticsearch domain for which you want information.\n\n\n\nThe name of the Elasticsearch domain for which you want information.</p>\",
      "deprecated" : false,
      "documentation" : "\p> The name of the Elasticsearch domain for which you want information.\n\n\n\nThe name of the Elasticsearch domain for which you want information.</p>\",
      "endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
      "fluentEnumSetterMethodName" : null,
      "fluentGetterMethodName" : "domainName",
      "fluentSetterDocumentation" : "\p> The name of the Elasticsearch domain for which you want information.\n\n\n\nThe name of the Elasticsearch domain for which you want information.</p>\n\n\n\n@see #domainName(String)",
      "fluentSetterMethodName" : "domainName",
      "getterDocumentation" : "\p> The name of the Elasticsearch domain for which you want information.\n\n\n\nThe name of the Elasticsearch domain for which you want information.\n\n\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n\n\n@see #domainName(String)",
      "getterModel" : {
         "returnType" : "String",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
         "header" : false,
         "isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
"@param domainName The name of the Elasticsearch domain for which you want information.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
]
"membersAsMap" : {
"DomainName" : {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName"
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link domainName(String)].

@param domainName a consumer that will call methods on [@link String.Builder]

@returns a reference to this object so that method calls can be chained together.

@see domainName(String)",

"deprecated" : false,

"documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "domainName",

"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>

@returns a reference to this object so that method calls can be chained together.

@see #domainName(String)",

"fluentSetterMethodName" : "domainName",

"getterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>

@returns The name of the Elasticsearch domain for which you want information.

@getterModel : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.">
"setterMethodName" : "setDomainName",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@see #domainName(String)"},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].

@throws IllegalArgumentException Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)"

"deprecated" : false,
"documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want
information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@return The name of the Elasticsearch domain for which you want information.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "The name of the Elasticsearch domain for which you want information.",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "DescribeElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "DescribeElasticsearchDomainRequest",
    "variableName" : "describeElasticsearchDomainRequest",
    "variableType" : "DescribeElasticsearchDomainRequest",
    "documentation" : null,
    "simpleType" : "DescribeElasticsearchDomainRequest",
    "variableSetterType" : "DescribeElasticsearchDomainRequest"
  },
  "wrapper" : false
},
"DescribeElasticsearchDomainResponse" : {
  "c2jName" : "DescribeElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The result of a <code>DescribeElasticsearchDomain</code> request. Contains the status of the domain specified in the request.",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.
This is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to
create one manually via {@link ElasticsearchDomainStatus#builder()}. When the Consumer completes,
{@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to
{@link ElasticsearchDomainStatus.ElasticsearchDomainStatus}.
@param domainStatus a consumer that will call methods on the
@return Returns a reference to this object so that method calls can be chained
together.
@see #domainStatus(ElasticsearchDomainStatus)",
  "deprecated" : false,
  "documentation" : "The current status of the Elasticsearch domain.
"",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "The current status of the Elasticsearch domain.
"",
  "fluentSetterMethodName" : "domainStatus",
  "getterDocumentation" : "The current status of the Elasticsearch domain.
"",
  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainStatus",
    "uri" : false
  }
}];
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.
\n@param domainStatus The current status of the Elasticsearch domain."
,"setterMethodName" : "setDomainStatus",
"setterModel" : {
   "variableDeclarationType" : "ElasticsearchDomainStatus",
   "variableName" : "domainStatus",
   "variableType" : "ElasticsearchDomainStatus",
   "documentation" : null,
   "simpleType" : "ElasticsearchDomainStatus",
   "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "ElasticsearchDomainStatus",
   "variableName" : "domainStatus",
   "variableType" : "ElasticsearchDomainStatus",
   "documentation" : "<p>The current status of the Elasticsearch domain.</p>",
   "simpleType" : "ElasticsearchDomainStatus",
   "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
   "DomainStatus" : {
      "beanStyleGetterMethodName" : "getDomainStatus",
      "beanStyleSetterMethodName" : "setDomainStatus",
      "c2jName" : "DomainStatus",
      "c2jShape" : "ElasticsearchDomainStatus",
      "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.
\nThis is a convenience that creates an instance of the { @link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchDomainStatus#builder()}.\n\nWhen the { @link Consumer} completes, { @link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to { @link #domainStatus(ElasticsearchDomainStatus)}\n\n@param domainStatus a consumer that will call methods on { @link ElasticsearchDomainStatus.Builder} \n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainStatus(ElasticsearchDomainStatus)",
      "deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.
@param domainStatus The current status of the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.</p>",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The current status of the Elasticsearch domain.
@return The current status of the Elasticsearch domain.</p>",
"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.
@param domainStatus The current status of the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.</p>",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : \"p\nThe current status of the Elasticsearch domain.\</p\>\n\nThis is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}.

When the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {@link #domainStatus(ElasticsearchDomainStatus)}.

@param domainStatus a consumer that will call methods on {@link ElasticsearchDomainStatus.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainStatus(ElasticsearchDomainStatus)",
"deprecated" : false,
"documentation" : \"p\nThe current status of the Elasticsearch domain.\</p\>\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : \"p\nThe current status of the Elasticsearch domain.\</p\>\n\nThe current status of the Elasticsearch domain.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainStatus(ElasticsearchDomainStatus)",
"getterDocumentation" : \"p\nThe current status of the Elasticsearch domain.\</p\>\n\n@return The current status of the Elasticsearch domain.\n\n@see #domainStatus(ElasticsearchDomainStatus)",
"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>@param domainStatus The current status of the Elasticsearch domain.",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The current status of the Elasticsearch domain.</p>",
  "simpleType" : "ElasticsearchDomainStatus"}
"variableSetterType": "DescribeElasticsearchDomainStatus",
"xmlnsSpaceUri": null,
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "DomainStatus" ],
"shapeName": "DescribeElasticsearchDomainResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null,
},
"variable": {
  "variableDeclarationType": "DescribeElasticsearchDomainResponse",
  "variableName": "describeElasticsearchDomainResponse",
  "variableType": "DescribeElasticsearchDomainResponse",
  "documentation": null,
  "simpleType": "DescribeElasticsearchDomainResponse",
  "variableSetterType": "DescribeElasticsearchDomainResponse",
},
"wrapper": false,
"DescribeElasticsearchDomainsRequest": {
  "c2jName": "DescribeElasticsearchDomainsRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "\<p\>Container for the parameters to the \<code\><a\>DescribeElasticsearchDomains</a\></code\> operation. By default, the API returns the status of all Elasticsearch domains.\</p\>\",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": {

"action" : "DescribeElasticsearchDomains",
"locationName" : null,
"requestUri" : "/2015-01-01/es/domain-info",
"target" : null,
"verb" : "POST",
"xmlNameSpaceUri" : null
],
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainNames",
  "beanStyleSetterMethodName" : "setDomainNames",
  "c2jName" : "DomainNames",
  "c2jShape" : "DomainNameList",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}.\n\nWhen the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link List<String>\n}@param domainNames a consumer that will call methods on { @link List<String>\n}@return Returns a reference to this object so that method calls can be chained together.@see #domainNames(List<String>)",
  "deprecated" : false,
  "documentation" : "<p>The Elasticsearch domains for which you want information.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainNames",
  "fluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param domainNames The Elasticsearch domains for which you want information.
@return Returns a reference to this object so that method calls can be chained together.,
  "fluentSetterMethodName" : "domainNames",
  "getterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return The Elasticsearch domains for which you want information.",
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainNames",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainNames",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n[ @link String.Builder ] avoiding the need to create one manually via \n[ @link String#builder() ].\nWhen the \n[ @link Consumer ] completes, \n[ @link String.Builder#build() ] is called immediately and its result is passed to \n[ @link #member(String) ].\n@param member a consumer that will call methods on \n[ @link String.Builder ]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n\n@return The value of the Member property for this object.\n",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
  }
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@\n\n@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param
domainNames The Elasticsearch domains for which you want information.
",
"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>The Elasticsearch domains for which you want information.</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
",
    "xmlNameSpaceUri" : null
  }
},
"membersAsMap" : {
  "DomainNames" : {
    "beanStyleGetterMethodName" : "getDomainNames",
    "beanStyleSetterMethodName" : "setDomainNames",
    "c2jName" : "DomainNames",
    "c2jShape" : "DomainNameList",
    "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
    "@link List<String>.Builder\n\nWhen the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #domainNames(List<String>)}.\n@see #domainNames(List<String>)",
    "@return Returns a reference to this object so that method calls can be chained together.\n@see #domainNames(List<String>)"
"deprecated" : false,
"documentation" : "The Elasticsearch domains for which you want information.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainNames",
"fluentSetterDocumentation" : "The Elasticsearch domains for which you want information.
@param domainNames The Elasticsearch domains for which you want information.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainNames",
"getterDocumentation" : "The Elasticsearch domains for which you want information.
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The Elasticsearch domains for which you want information.",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainNames",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainNames",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainName"
  }
}
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].

The new value for the Member property for this object.

@returns a reference to this object so that method calls can be chained together.

@see #member(String)"

"getDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object."

"getModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The Elasticsearch domains for which you want information.&lt;/p&gt;\n@param domainNames The Elasticsearch domains for which you want information.".

"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "variableSetterType" : "java.util.List<String>"
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "domainNames",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>The Elasticsearch domains for which you want information.</p>
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the
need to create one manually via {@link List<String>#builder()}.\n\nWhen the {@link Consumer} completes,
{@link List<String>.Builder#build()} is called immediately and its result is passed to
{@link #domainNames(List<String>)}.
@param domainNames a consumer that will call methods on
@link List<String>.Builder\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #domainNames(List<String>)",
 "deprecated" : false,
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "domainNames",
 "fluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@link param domainNames The Elasticsearch domains for which you want information.\n@return Returns a reference to this object so that method calls can be chained
together."
,  "getterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@link param domainNames The Elasticsearch domains for which you want information.\n@return Returns a reference to this object so that method calls can be chained
together."
,  "getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainNames",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainNames",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "DomainName",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \( @link String.Builder \) avoiding the need to create one manually via \( @link String#builder() \). When the \( @link Consumer \) completes, \( @link String.Builder#build() \) is called immediately and its result is passed to \( @link #member(String) \).\n\n@see #member(String)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\n@see #member(String)",
  "fluentSetterMethodName": "member",
  "type": "java.util.List\<DomainName\>"}
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param
domainNames The Elasticsearch domains for which you want information.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The Elasticsearch domains for which you want information.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainNames" ]}
"shapeName" : "DescribeElasticsearchDomainsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainsRequest",
  "variableName" : "describeElasticsearchDomainsRequest",
  "variableType" : "DescribeElasticsearchDomainsRequest",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchDomainsRequest",
  "variableSetterType" : "DescribeElasticsearchDomainsRequest"
},
"wrapper" : false
},
"DescribeElasticsearchDomainsResponse" : {
  "c2jName" : "DescribeElasticsearchDomainsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>The result of a <code>DescribeElasticsearchDomains</code> request. Contains the status of the specified domains or all domains owned by the account.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getDomainStatusList",
    "beanStyleSetterMethodName" : "setDomainStatusList",
    "c2jName" : "DomainStatusList",
    "c2jShape" : "ElasticsearchDomainStatusList",
    "defaultConsumerFluentSetterDocumentation" : "<p>The status of the domains requested in the <code>DescribeElasticsearchDomains</code> request.</p>"
  ]
}

This is a convenience that creates an instance of the { @link List<ElasticsearchDomainStatus>.Builder} avoiding the need to create one manually via { @link List<ElasticsearchDomainStatus>#builder()}. When the { @link Consumer} completes, { @link List<ElasticsearchDomainStatus>.Builder#build()} is called immediately and its result is passed to { @link DomainStatusList(List<ElasticsearchDomainStatus>)}. @param domainStatusList a consumer that will call
methods on {@link List<ElasticsearchDomainStatus>.Builder}

return

Returns a reference to this object so that method calls can be chained together.

see #domainStatusList(List<ElasticsearchDomainStatus>)"

"deprecated" : false,
"documentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",
"fluentSetterDocumentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>

@param domainStatusList The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.

@return Returns a reference to this object so that method calls can be chained together.

,"description" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.

"getterModel" : {
  "returnType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatusList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatusList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "endpointDiscoveryId" : false,
  "eventHeader" : false,
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}. When the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to this method.\n
  @param member a consumer that will call methods on {@link ElasticsearchDomainStatus.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n
  @see #member(ElasticsearchDomainStatus)"

  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n
  @param member The new value for the Member property for this object.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n  @return The value of the Member property for this object."

  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "member",
    "variableType" : "ElasticsearchDomainStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchDomainStatus",
    "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "member",
    "variableType" : "ElasticsearchDomainStatus",
    "documentation" : "",
    "simpleType" : "ElasticsearchDomainStatus",
    "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.

@param domainStatusList The status of the domains requested in the <code>DescribeElasticsearchDomains</code> request.

setterMethodName" : "setDomainStatusList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : null,
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : "The status of the domains requested in the <code>DescribeElasticsearchDomains</code> request.",
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
}
],
"xmlNameSpaceUri" : null
]
},
"membersAsMap" : {
  "DomainStatusList" : {
    "beanStyleGetterMethodName" : "getDomainStatusList",
    "beanStyleSetterMethodName" : "setDomainStatusList",
    "c2jName" : "DomainStatusList",
    "c2jShape" : "ElasticsearchDomainStatusList",
    "defaultConsumerFluentSetterDocumentation" : "The status of the domains requested in the <code>DescribeElasticsearchDomains</code> request.",
  }
},
"deprecated" : false,
"documentation" : "The status of the domains requested in the <code>DescribeElasticsearchDomains</code> request.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",

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"fluentSetterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
@param domainStatusList The status of the domains
requested in the <code>DescribeElasticsearchDomains</code> request.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainStatusList",
"getterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@return The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.",
"getterModel" : {
"returnType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatusList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatusList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the
{@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via
{@link ElasticsearchDomainStatus#builder()}. When the
{@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is
passed to {@link #member(ElasticsearchDomainStatus)}.\n@see #member(ElasticsearchDomainStatus)"}
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.
",
"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.
",
"setterMethodName" : "setMember"
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the domains requested in the<br>\<code>DescribeElasticsearchDomains</code> request.</p><p><code>@param domainStatusList The status of the domains<br>requested in the \<code>DescribeElasticsearchDomains</code> request.</code>.
"setterMethodName" : "setDomainStatusList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : null,
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : "The status of the domains requested in the" +
  "<code>DescribeElasticsearchDomains</code> request." +
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ { +
  "beanStyleGetterMethodName" : "getDomainStatusList",
  "beanStyleSetterMethodName" : "setDomainStatusList",
  "c2jName" : "DomainStatusList",
  "c2jShape" : "ElasticsearchDomainStatusList",
  "defaultConsumerFluentSetterDocumentation" : "The status of the domains requested in the" +
  "<code>DescribeElasticsearchDomains</code> request." +
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",
"fluentSetterDocumentation" : "The status of the domains requested in the" +
  "<code>DescribeElasticsearchDomains</code> request.
"getterDocumentation" : "The status of the domains requested in the" +
  "<code>DescribeElasticsearchDomains</code> request.
"returnType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainStatusList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainStatusList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {@link #member(ElasticsearchDomainStatus)}\n\n@param member a consumer that will call methods on {@link ElasticsearchDomainStatus.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(ElasticsearchDomainStatus)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."}
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus"}
"variableName" : "member",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : "",
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
" sensitive" : false,
"setterDocumentation" : "<p>The status of the domains requested in the<br/>
<code>DescribeElasticsearchDomains</code> request.</p>
@param domainStatusList The status of the domains requested in the<br/>
<code>DescribeElasticsearchDomains</code> request.",
"setterMethodName" : "setDomainStatusList",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
 "variableName" : "domainStatusList",
 "variableType" : "java.util.List<ElasticsearchDomainStatus>",
 "documentation" : null,
 "simpleType" : "List<ElasticsearchDomainStatus>",
 "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
 "variableName" : "domainStatusList",
 "variableType" : "java.util.List<ElasticsearchDomainStatus>",
 "documentation" : "<p>The status of the domains requested in the<br/>
<code>DescribeElasticsearchDomains</code> request.</p>
@param domainStatusList The status of the domains requested in the<br/>
<code>DescribeElasticsearchDomains</code> request.",
 "simpleType" : "List<ElasticsearchDomainStatus>",
 "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"xmlNameSpaceUri" : null
] 
}
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainStatusList" ],
"shapeName" : "DescribeElasticsearchDomainsResponse",
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DescribeElasticsearchDomainsResponse",
    "variableName" : "describeElasticsearchDomainsResponse",
    "variableType" : "DescribeElasticsearchDomainsResponse",
    "documentation" : null,
    "simpleType" : "DescribeElasticsearchDomainsResponse",
    "variableSetterType" : "DescribeElasticsearchDomainsResponse"
},
"wrapper" : false,
"DescribeElasticsearchInstanceTypeLimitsRequest" : {
    "c2jName" : "DescribeElasticsearchInstanceTypeLimitsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "Container for the parameters to <code>DescribeElasticsearchInstanceTypeLimits</code> operation.
"<a>DescribeElasticsearchInstanceTypeLimits</a> <code>

"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
    "action" : "DescribeElasticsearchInstanceTypeLimits",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/instanceTypeLimits/{ElasticsearchVersion}/{InstanceType}",
    "target" : null,
    "verb" : "GET",
}
"xmlNameSpaceUri" : null
},
"members" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].
@result Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>
@result Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt;</code> for existing domain. </p>
@result Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"map" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.</p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.</p>
", "simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType"
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. <code>

This is a convenience that creates an instance of the
[ @link String.Builder] avoiding the need to create one manually via [ @link String.Builder() ].

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link
#instanceTypeAsString(String)].

@see #instanceType(String)
",
"deprecated" : false,
"documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. </p> "",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. </p> 

@see ESPartitionInstanceType
",
"getterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. 

If the service returns an enum value that is not available in the
current SDK version, [ @link 
#instanceType] will return [ @link
ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available
from [ @link 
#instanceTypeAsString].

@see ESPartitionInstanceType
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
  "c2jName" : "InstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. <code>

This is a convenience that creates an instance of the
[ @link String.Builder] avoiding the need to create one manually via [ @link String.Builder() ].

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link
#instanceTypeAsString(String)].

@see #instanceType(String)
",
"deprecated" : false,
"documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. </p> "",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. </p> 

@see ESPartitionInstanceType
",
"getterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>

Limits</code> are needed. 

If the service returns an enum value that is not available in the
current SDK version, [ @link 
#instanceType] will return [ @link
ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available
from [ @link 
#instanceTypeAsString].

@see ESPartitionInstanceType
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "InstanceType",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : true,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed."
},
"xmlNameSpaceUri" : null},
{
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "Version of Elasticsearch for which <code><a>Limits</a></code> are needed. This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()]. When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #elasticsearchVersion(String)].

@param elasticsearchVersion a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see
#elasticsearchVersion(String)
  
  "deprecated" : false,
  "documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p> ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchVersion",
  "fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p> 
  @param elasticsearchVersion Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "elasticsearchVersion",
  "getterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p> 
  @return Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed.
  
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "uri",
    "marshallLocation" : "PATH",
    "marshallLocationName" : "ElasticsearchVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchVersion",
    "uri" : true
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "ElasticsearchVersion",
  "sensitive" : false,
  "setterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p> 
  @param elasticsearchVersion Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed.
  @return Returns a reference to this object so that method calls can be chained together.",
  "setterModel" : {
    "returnType" : "String",
    "documentation" : null
  }.
needed.

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : 
  "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
  ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultValueConsumerFluentSetterDocumentation" : 
    "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>
    "
    
    This is a convenience that creates an instance of the <code>@link String.Builder</code> avoiding the need to create one manually via <code>@link String#builder()</code>. When the <code>@link Consumer</code> completes, <code>@link String.Builder#build()</code> is called immediately and its result is passed to <code>@link #domainName(String)</code>.<br>\n@see <code>domainName(String)</code>".
    "deprecated" : false,
    "documentation" : 
    "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>
    ",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : 
    "<p> DomainName represents the name of the Domain that we are trying to
modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>`<code> Limits</a>` </code> for existing domain.

```java
@Param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>`<code> Limits</a>` </code> for existing domain.

```java
@Return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>`<code> Limits</a>` </code> for existing domain.

```java
"getterDocumentation": "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>`<code> Limits</a>` </code> for existing domain.

```java
"setterDocumentation": "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>`<code> Limits</a>` </code> for existing domain.

```java
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "querystring",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "domainName",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "domainName",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch `<code>` `<a>`<code> Limits</a>` </code> for existing domain.

```java
"setterMethodNamed": "setDomainName",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "domainName",
```
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"ElasticsearchVersion" : {
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #elasticsearchVersion(String)}.<br>
@param elasticsearchVersion a consumer that will call methods on { @link String.Builder}<br>
@see #elasticsearchVersion(String)"
,"deprecated" : false,
"documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
"enumType" : null,
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #elasticsearchVersion(String)"
,"deprecated" : false,
"documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
"enumType" : null,
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #elasticsearchVersion(String)"
,"deprecated" : false,
"documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
"enumType" : null,
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #elasticsearchVersion(String)"
,"deprecated" : false,
"documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
"enumType" : null,
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #elasticsearchVersion(String)"
,"deprecated" : false,
"documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
"enumType" : null,
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #elasticsearchVersion(String)"
**documentation**: null

**http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "ElasticsearchVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchVersion",
  "uri": true
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ElasticsearchVersion",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

**setterDocumentation**: "<p> Version of Elasticsearch for which<br> <code> <a>Limits</a> </code> are needed. 

@<p>@param elasticsearchVersion Version of Elasticsearch for which<br> <code> <a>Limits</a> </code> are needed.";
"simpleType": "String",
"variableSetterType": "String",
"xmlNameSpaceUri": null,
"InstanceType": {
  "beanStyleGetterMethodName": "getInstanceTypeAsString",
  "beanStyleSetterMethodName": "setInstanceType",
  "c2jName": "InstanceType",
  "c2jShape": "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation": "<p>The instance type for an Elasticsearch cluster for which
Elasticsearch <code><a>Limits</a></code> are needed. 
When the {@link Consumer} completes, 
{@link String.Builder#build()} is called immediately and its result is passed to
{@link #instanceTypeAsString(String)}.

@see #instanceType(String)",
  "deprecated": false,
  "documentation": "<p>The instance type for an Elasticsearch cluster for which
Elasticsearch <code><a>Limits</a></code> are needed. 
When the {@link Consumer} completes, 
{@link String.Builder#build()} is called immediately and its result is passed to
{@link #instanceTypeAsString(String)}.

@see #instanceType(String)",
  "endpointDiscoveryId": false,
  "enumType": "ESPartitionInstanceType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "instanceType",
  "fluentEnumSetterMethodName": "instanceType",
  "fluentGetterMethodName": "instanceTypeAsString",
  "fluentSetterDocumentation": "<p>The instance type for an Elasticsearch cluster for which
Elasticsearch <code><a>Limits</a></code> are needed. 
When the {@link Consumer} completes, 
{@link String.Builder#build()} is called immediately and its result is passed to
{@link #instanceTypeAsString(String)}.

@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
  "fluentSetterMethodName": "instanceType",
  "getterDocumentation": "<p>The instance type for an Elasticsearch cluster for which
Elasticsearch <code><a>Limits</a></code> are needed. 
If the service returns an enum value that is not available in the
current SDK version, [@link #instanceType] will return
[@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available
from [@link #instanceTypeAsString].

@see ESPartitionInstanceType
@return The instance type for an Elasticsearch cluster for which
Elasticsearch <code><a>Limits</a></code> are needed.
@see ESPartitionInstanceType",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
The instance type for an Elasticsearch cluster for which Elasticsearch `<code>&lt;a&gt;Limits&lt;/a&gt;&lt;/code&gt;` are needed. `<p>`@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch `<code>&lt;a&gt;Limits&lt;/a&gt;&lt;/code&gt;` are needed. See `ESPartitionInstanceType`.

```javascript
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {

"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p><p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, [{@link String.Builder#build()}] is called immediately and its result is passed to {@link #domainName(String)}.<br>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>
@endp",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>
@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.
@getModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code><a>Limits</a></code> for existing domain. </p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code><a>Limits</a></code> for existing domain.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.builder()]. When the [String.Builder#build()] is called immediately and its result is passed to [StringAsString(String)], the return value is passed to [instanceTypeAsString(String)].

The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.

The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.

If the service returns an enum value that is not available in the current SDK version, [instanceType] will return [ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [ESPartitionInstanceTypeAsString].
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.&lt;@ see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code>&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchVersion(String)}.\n@param elasticsearchVersion a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.&lt;@ see #elasticsearchVersion(String)",
"deprecated" : false,
"documentation" : "<p> Version of Elasticsearch for which <code>&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. </p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "&lt;p&gt; Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. &lt;/p&gt;&lt;p&gt;\@param elasticsearchVersion Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\@return Returns a reference to this object so that method calls can be chained together.\&lt;/p&gt;
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "&lt;p&gt; Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\@return Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\&lt;/p&gt;&lt;p&gt;\@return Returns a reference to this object so that method calls can be chained together.\",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt; Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. &lt;/p&gt;&lt;p&gt;\@param elasticsearchVersion Version of Elasticsearch for which &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.\@return Returns a reference to this object so that method calls can be chained together.\",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : "<p> Version of Elasticsearch for which <code><a>Limits</a></code> are needed. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "InstanceType", "ElasticsearchVersion" ],
"shapeName" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"variableName" : "describeElasticsearchInstanceTypeLimitsRequest",
"variableType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"documentation" : null,
"simpleType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsRequest"
},
"wrapper" : false
},
"DescribeElasticsearchInstanceTypeLimitsResponse" : {
"c2jName" : "DescribeElasticsearchInstanceTypeLimitsResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p> Container for the parameters received from <code><a>DescribeElasticsearchInstanceTypeLimits</a></code> operation. </p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
    
    "beanStyleGetterMethodName" : "getLimitsByRole",
    "beanStyleSetterMethodName" : "setLimitsByRole",
    "c2jName" : "LimitsByRole",
    "c2jShape" : "LimitsByRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.
This is a convenience that creates an instance of the [link Map<String,Limits>.Builder] avoiding the need to create one manually via [link Map<String,Limits>#builder()].
When the [link Consumer] completes, [link Map<String,Limits>.Builder#build()] is called immediately and its result is passed to [link #limitsByRole(Map<String,Limits>)]
\@param limitsByRole a consumer that will call methods on [link Map<String,Limits>.Builder]
\@return Returns a reference to this object so that method calls can be chained together.\@see #limitsByRole(Map<String,Limits>)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "limitsByRole",
    "fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.
\@param limitsByRole The new value for the LimitsByRole property for this object.
\@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "limitsByRole",
    "getterDocumentation" : "Returns the value of the LimitsByRole property for this object.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
\@return The value of the LimitsByRole property for this object."
    "getterModel" : {
    "returnType" : "java.util.Map<String,Limits>",
    "documentation" : null

    },
    "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "LimitsByRole",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "LimitsByRole",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "InstanceRole",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n@see #key(String)\n"\n  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "key",
  "fluentSetterDocumentation": "Sets the value of the Key property for this object.\n@see #key(String)\n"\n  "fluentSetterMethodName": "key",
  "getterDocumentation": "Returns the value of the Key property for this object.\n@return The value of the Key property for this object."
  "getterModel": {
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object. ",
"setterMethodName" : "setKey",
"setterModel" : {
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"}
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  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "Limits",
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  "enumType" : null,
  "eventHeader" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(Limits)",
  "fluentSetterMethodName" : "value",
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  "documentation" : null
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  "location" : null,
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  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "variableSetterType" : "String"
"unmarshallLocationName" : "value",
"uri" : false
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"jsonValue" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
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"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "Limits",
  "variableName" : "value",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
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  "variableName" : "value",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
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],
"entryType" : "Map.Entry<String, Limits>",
"templateType" : "java.util.Map<String,Limits>"
},
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"name" : "LimitsByRole",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n\n@\n@param limitsByRole The new value for the LimitsByRole property for this object.\n",
"setterMethodName" : "setLimitsByRole",
"setterModel" : {
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  "variableName" : "limitsByRole",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
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"documentation" : null,
"simpleType" : "Map<String,Limits>",
"variableSetterType" : "java.util.Map<String,Limits>
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"documentation" : "",
"simpleType" : "Map<String,Limits>",
"variableSetterType" : "java.util.Map<String,Limits>
",
"xmlNameSpaceUri" : null
}
,"membersAsMap" : {
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"beanStyleSetterMethodName" : "setLimitsByRole",
"c2jName" : "LimitsByRole",
"c2jShape" : "LimitsByRole",
"defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object. This is a convenience that creates an instance of the \{@link Map<String,Limits>.Builder\} avoiding the need to create one manually via \{@link Map<String,Limits>#builder()\}. When the \{@link Consumer\} completes, \{@link Map<String,Limits>.Builder#build()\} is called immediately and its result is passed to \{@link #limitsByRole(Map<String,Limits>)\}.\n\n@param limitsByRole a consumer that will call methods on \{@link Map<String,Limits>.Builder\}\n\n@see #limitsByRole(Map<String,Limits>)",
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"fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n\n@param limitsByRole The new value for the LimitsByRole property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
,"getterDocumentation" : "Returns the value of the LimitsByRole property for this object.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return The value of the LimitsByRole property for this object."
,"getterModel" : {
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"}
}}}
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitsByRole",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitsByRole",
  "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
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  "interfaceType" : "java.util.Map",
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  "keyModel" : {
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    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "InstanceRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@param key a consumer that will call methods on { @link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
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    "fluentEnumSetterMethodName" : null,
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    "fluentSetterMethodName" : "key",
  }
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   "isStreaming" : false,
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"mapModel" : null,
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   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
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"valueModel" : {
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  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "Limits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {\link Limits.Builder} avoiding the need to create one manually via {\link Limits#builder}().\nWhen the {\link Consumer} completes, {\link Limits.Builder#build}() is called immediately and its result is passed to {\link #value(Limits)}.\n\n@param value a consumer that will call methods on {\link Limits.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(Limits)",
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    "documentation" : null
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"isStreaming": false,
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"marshallLocationName": "value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false
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"name": "Value",
"sensitive": false,
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  "variableType": "Limits",
  "documentation": null,
  "simpleType": "Limits",
  "variableSetterType": "Limits"
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  "variableName": "value",
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  "simpleType": "Limits",
  "variableSetterType": "Limits"
},
"xmlNameSpaceUri": null
],
"entryType": "Map.Entry<String, Limits>",
"templateType": "java.util.Map<String,Limits>"
},
"marshallingType": "MAP",
"name": "LimitsByRole",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object.

@param
limitsByRole The new value for the LimitsByRole property for this object.",
"setterMethodName" : "setLimitsByRole",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
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},
"nonStreamingMembers" : [
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    "beanStyleSetterMethodName" : "setLimitsByRole",
    "c2jName" : "LimitsByRole",
    "c2jShape" : "LimitsByRole",
    "defaultValueFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this

object. This is a convenience that creates an instance of the [ @link\nMap<String,Limits>.Builder] avoiding the need to create one manually via [ @link\nMap<String,Limits>#builder()]. \n\nWhen the [ @link Consumer] completes, [ @link\nMap<String,Limits>.Builder#build()] is called immediately and its result is passed to [ @link\n#limitsByRole(Map<String,Limits>)]. \n\n@returns a reference to this object so that method calls can be chained
together. \n\n@deprecated" : false,
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"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitsByRole",
"fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object. \n\n@returns a reference to this object.",
"limitsByRole" : The new value for the LimitsByRole property for this object.\n\n@returns a reference to this object.\n\n@returns a reference to this object."
object so that method calls can be chained together.

"fluentSetterMethodName" : "limitsByRole",

"getterDocumentation" : "Returns the value of the LimitsByRole property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The value of the LimitsByRole property for this object.

getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitsByRole",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitsByRole",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : true,

"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "InstanceRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder#build()\}.

When the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #key(String)\}.

@see #key(String)"

  "deprecated" : false,
  "documentation" : ""
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"getterDocumentation": "Returns the value of the Key property for this object.\n\n@return The value of the Key property for this object."
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"documentation": null
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"isPayload": false,
"isStreaming": false,
"location": null,
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"queryString": false,
"statusCode": false,
"unmarshallLocationName": "key",
"uri": false
},
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"variableSetterType" : "String"
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"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
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},
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "Limits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the {@link Limits.Builder} avoiding the need to create one manually via {@link Limits#builder()}.\n\nWhen the {@link Consumer} completes, {@link Limits.Builder#build()} is called immediately and its result is passed to {@link #value(Limits)}.\n\n@param value a consumer that will call methods on {@link Limits.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(Limits)",
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"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
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"fluentSetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThe new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(Limits)",
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"getterModel" : {
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  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
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  "marshallLocationName": "value",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "value",
  "uri": false
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"list": false,
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"name": "Value",
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"setterDocumentation": "Sets the value of the Value property for this object.
\n\n@param value The new value for the Value property for this object.",
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  "variableType": "Limits",
  "documentation": null,
  "simpleType": "Limits",
  "variableSetterType": "Limits"
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"simple": false,
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  "variableDeclarationType": "Limits",
  "variableName": "value",
  "variableType": "Limits",
  "documentation": "",
  "simpleType": "Limits",
  "variableSetterType": "Limits"
}
}.
"xmlNameSpaceUri" : null,
},
"entryType" : "Map.Entry<String, Limits>",
"templateType" : "java.util.Map<String,Limits>"
},
"marshallingType" : "MAP",
"name" : "LimitsByRole",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object.

@парm limitsByRole
The new value for the LimitsByRole property for this object.",
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"setterModel" : {
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  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
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"xmlNameSpaceUri" : null
}],
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"requestSignerClassFqcn" : null,
"required" : null,
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"simpleMethod" : false,
"unmarshall" : {
  "flattened" : false,
  "resultWrapper" : null
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  "variableName" : "describeElasticsearchInstanceTypeLimitsResponse",
  "variableType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
  "variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsResponse"
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"c2jName" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for parameters to
<code>DescribeReservedElasticsearchInstanceOfferings</code>.
"endpointDiscovery" : null,
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"errorCode" : null,
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"eventStream" : false,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshall" : {
"action" : "DescribeReservedElasticsearchInstanceOfferings",
"locationName" : null,
"requestUri" : "/2015-01-01/es/reservedInstanceOfferings",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultValueConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
"<p>The offering identifier filter value. Use this parameter to show only the available
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshall" : {
"action" : "DescribeReservedElasticsearchInstanceOfferings",
"locationName" : null,
"requestUri" : "/2015-01-01/es/reservedInstanceOfferings",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultValueConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshall" : {
"action" : "DescribeReservedElasticsearchInstanceOfferings",
"locationName" : null,
"requestUri" : "/2015-01-01/es/reservedInstanceOfferings",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultValueConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshall" : {
"action" : "DescribeReservedElasticsearchInstanceOfferings",
"locationName" : null,
"requestUri" : "/2015-01-01/es/reservedInstanceOfferings",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultValueConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available
offering that matches the specified reservation identifier.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
@return The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
offering that matches the specified reservation identifier.

@param reservedElasticsearchInstanceOfferingId
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceOfferingId",
"variableType": "String",
"documentation": "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier."
}
defaults to 100.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "maxResults",

"getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>"

@return Set this value to limit the number of results returned. If not specified, defaults to 100.

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonpValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "INTEGER",

"name" : "MaxResults",

" sensitive" : false,

"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>"

@return Set this value to limit the number of results returned. If not specified, defaults to 100.

"setterMethodName" : "setMaxResults",

"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,

"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link NextToken(String)}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link String.Builder}.

@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@see #nextToken(String)",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]}
"membersAsMap" : {
"MaxResults" : {
  "beanStyleGetterMethodName" : "getMaxResults",
  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100. This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#build()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. @param maxResults a consumer that will call methods on { @link Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #maxResults(Integer)".
  "deprecated" : false,
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maxResults",
  "fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>\n@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)",
  "getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "maxResults",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "maxResults",
    "uri" : false
  }
},

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "null",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "null",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.\n@param nextToken a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"fluentEnumGetterMethodName" : "nextToken",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : "querystring",
 "marshallLocation" : "QUERY_PARAM",
 "marshallLocationName" : "nextToken",
 "queryString" : true,
 "statusCode" : false,
 "unmarshallLocationName" : "nextToken",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.

```xml
@param nextToken

### nextToken

Set the filter value. Use this parameter to show only the available offering that matches the specified reservation identifier. This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder().` When the corresponding `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `reservedElasticsearchInstanceOfferingId(String)`.

- **deprecated**: false
- **documentation**: The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

```
available offering that matches the specified reservation identifier.

@param
reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@return The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : "queryString",
 "marshallLocation" : "QUERY_PARAM",
 "marshallLocationName" : "offeringId",
 "queryString" : true,
 "statusCode" : false,
 "unmarshallLocationName" : "offeringId",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterMethod_Name" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "reservedElasticsearchInstanceOfferingId",
 "variableType" : "String",
 "documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier."
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
    "c2jName" : "ReservedElasticsearchInstanceOfferingId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
This is a convenience that creates an instance of the {String.Builder} avoiding the need to create one manually via {String.Builder#build}.
When the {Consumer} completes, {String.Builder#build} is called immediately and its result is passed to {ReservedElasticsearchInstanceOfferingId(String)}.

@deprecated
@see #reservedElasticsearchInstanceOfferingId(String)",
    "deprecated" : false,
    "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
    "fluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceOfferingId(String)",
    "fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
    "getterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
@return The offering identifier filter value. Use this
parameter to show only the available offering that matches the specified reservation identifier.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "offeringId",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "offeringId",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,

"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>

@param reservedElasticsearchInstanceOfferingId
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String"}
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "&lt;p&gt;The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;

This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link maxResults(Integer)].

@see Integer.Builder

@returns a reference to this object so that method calls can be chained together.

### maxResults(Integer)

"deprecated" : false,
"documentation" : "&lt;p&gt;Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "&lt;p&gt;Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;

@returns a reference to this object so that method calls can be chained together.

### maxResults(Integer)

"getterDocumentation" : "&lt;p&gt;Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
}
,"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "maxResults",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "maxResults",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"sensitive": false,
"setterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.",
"setterMethodName": "setMaxResults",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`.

When the call to `nextToken(String)` completes, `String.Builder#build()` is called immediately and its result is passed to `nextToken(String)`.

```
@link #nextToken(String)\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)
```

```
"depreciated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@returns NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"simpleMethod" : true,
"unmarshallers" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "variableName" : "describeReservedElasticsearchInstanceOfferingsRequest",
  "variableType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsRequest"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstanceOfferingsResponse" : {
"c2jName" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for results from
<code>DescribeReservedElasticsearchInstanceOfferings</code></p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshallers" : [ {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String.Builder()}. When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link
#nextToken(String)}.\n@param
nextToken a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object
so that method calls can be chained together.\n@see #nextToken(String)"
},
"deprecated" : false,
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n</p>\n@param
nextToken Provides an identifier to allow retrieval of paginated results.\n@return Returns a reference to this object
so that method calls can be chained together."
,"fluentSetterMethodId" : "nextToken",
"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n</p>\n@return

Provides an identifier to allow retrieval of paginated results.

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>\n@param

nextToken Provides an identifier to allow retrieval of paginated results.

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "variableSetterType" : "String"
}
```
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
"c2jName" : "ReservedElasticsearchInstanceOfferings",
"c2jShape" : "ReservedElasticsearchInstanceOfferingList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
This is a convenience that creates an instance of the { @link List<ReservedElasticsearchInstanceOffering>.Builder} avoiding the need to create one manually via { @link List<ReservedElasticsearchInstanceOffering>#builder()}. When the { @link Consumer} completes, { @link List<ReservedElasticsearchInstanceOffering>.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)}. 

@see
reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
"fluentSetterMethodComment" : "List of reserved Elasticsearch instance offerings
List of reserved Elasticsearch instance offerings\n\n@see
reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
"getterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see
reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
"getterModel" : {
"returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
This is a convenience that creates an instance of the 
ReservedElasticsearchInstanceOffering.Builder] avoiding the need to create one manually via 
ReservedElasticsearchInstanceOffering#builder().

When the [ @link Consumer] completes, [ @link
ReservedElasticsearchInstanceOffering.Builder#build()] is called immediately and its result is passed to [ @link
ReservedElasticsearchInstanceOffering.Builder member(ReservedElasticsearchInstanceOffering)]

@ see #member(ReservedElasticsearchInstanceOffering),

The new value for the Member property for this object.

@return Returns a reference to this object so that method
calls can be chained together.

@ see #member(ReservedElasticsearchInstanceOffering)

The value of

@ return The value of the Member property for this object.


"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "$setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : "",
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"xmlNameSpaceUri" : null}
"memberLocationName": null,
"memberType": "ReservedElasticsearchInstanceOffering",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "ReservedElasticsearchInstanceOffering",
"templateImplType": "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType": "java.util.List<ReservedElasticsearchInstanceOffering>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "ReservedElasticsearchInstanceOfferings",
"sensitive": false,
"setterDocumentation": "List of reserved Elasticsearch instance offerings",
"setterMethodName": "setReservedElasticsearchInstanceOfferings",
"setterModel": {
  "variableDeclarationType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName": "reservedElasticsearchInstanceOfferings",
  "variableType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation": null,
  "simpleType": "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType": "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName": "reservedElasticsearchInstanceOfferings",
  "variableType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation": "List of reserved Elasticsearch instance offerings",
  "simpleType": "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType": "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"xmlNameSpaceUri": null
}
"membersAsMap": {
  "NextToken": {
    "beanStyleGetterMethodName": "getNextToken",
    "beanStyleSetterMethodName": "setNextToken",
    "c2jName": "NextToken",
    "c2jShape": "NextToken",
    "defaultConsumerFluentSetterDocumentation": "Provides an identifier to allow retrieval of paginated results.
"\n\nThis is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().\n\nWhen the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #nextToken(String).\n"param
nextToken a consumer that will call methods on \{\texttt{@link String.Builder}\}\n@\texttt{return} Returns a reference to this object so that method calls can be chained together.\n@\texttt{see} \#\texttt{nextToken(String)}

  "\texttt{deprecated}" : false,
  "\texttt{documentation}" : "\langle p \rangle Provides an identifier to allow retrieval of paginated results. \langle /p \rangle",
  "\texttt{endpointDiscoveryId}" : false,
  "\texttt{enumType}" : null,
  "\texttt{eventHeader}" : false,
  "\texttt{eventPayload}" : false,
  "\texttt{fluuentEnumGetterMethodName}" : null,
  "\texttt{fluuentEnumSetterMethodName}" : null,
  "\texttt{fluuentGetterMethodName}" : "\texttt{nextToken}"
  "\texttt{fluuentSetterDocumentation}" : "\langle p \rangle Provides an identifier to allow retrieval of paginated results. \langle /p \rangle",
  "\texttt{documentation}" : "\langle p \rangle Provides an identifier to allow retrieval of paginated results.\langle /p \rangle",
  "\texttt{getterModel}" : { "\texttt{returnType}" : "String",
  "\texttt{documentation}" : null },
  "\texttt{http}" : { "\texttt{additionalMarshallingPath}" : null,
  "\texttt{additionalUnmarshallingPath}" : null,
  "\texttt{flattened}" : false,
  "\texttt{greedy}" : false,
  "\texttt{header}" : false,
  "\texttt{isPayload}" : false,
  "\texttt{isStreaming}" : false,
  "\texttt{location}" : null,
  "\texttt{marshallLocation}" : "PAYLOAD",
  "\texttt{marshallLocationName}" : "NextToken",
  "\texttt{queryString}" : false,
  "\texttt{statusCode}" : false,
  "\texttt{unmarshallLocationName}" : "NextToken",
  "\texttt{uri}" : false
  },
  "\texttt{idempotencyToken}" : false,
  "\texttt{isBinary}" : false,
  "\texttt{jsonValue}" : false,
  "\texttt{list}" : false,
  "\texttt{listModel}" : null,
  "\texttt{map}" : false,
  "\texttt{mapModel}" : null,
  "\texttt{marshallingType}" : "STRING",
  "\texttt{name}" : "NextToken",
  "\texttt{sensitive}" : false,
  "\texttt{setterDocumentation}" : "\langle p \rangle Provides an identifier to allow retrieval of paginated results.\langle /p \rangle"
  \@\texttt{param}
nextToken Provides an identifier to allow retrieval of paginated results.

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "Provides an identifier to allow retrieval of paginated results.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferings" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
  "c2jName" : "ReservedElasticsearchInstanceOfferings",
  "c2jShape" : "ReservedElasticsearchInstanceOfferingList",
  "defaultConsumerFluentSetterDocumentation" : "List of reserved Elasticsearch instance offerings
This is a convenience that creates an instance of the \{ @link List<ReservedElasticsearchInstanceOffering>.Builder \} avoiding the need to create one manually via \{ @link List<ReservedElasticsearchInstanceOffering>#builder() \}. When the \{ @link Consumer \} completes, \{ @link List<ReservedElasticsearchInstanceOffering>.Builder#build() \} is called immediately and its result is passed to \{ @link #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>) \}.\n@param reservedElasticsearchInstanceOfferings a consumer that will call methods on \{ @link List<ReservedElasticsearchInstanceOffering>.Builder \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
  "deprecated" : false,
  "documentation" : "List of reserved Elasticsearch instance offerings",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
  "fluentSetterDocumentation" : "List of reserved Elasticsearch instance offerings\n@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings\n@return Returns a
reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferings",
"getterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of reserved Elasticsearch instance offerings",

"getterModel" : {
"returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ReservedElasticsearchInstanceOffering",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [ReservedElasticsearchInstanceOffering.Builder] avoiding the need to create one manually via "ReservedElasticsearchInstanceOffering#builder()". When the [ReservedElasticsearchInstanceOffering.Builder#build()] is called immediately and its result is passed to [ReservedElasticsearchInstanceOffering].
@param member a consumer that will call methods on [ReservedElasticsearchInstanceOffering.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(ReservedElasticsearchInstanceOffering)
"dependencies" : [
"getStringValue" : ""},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method
calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of
the Member property for this object.",
"getterModel" : {
"returnType" : "ReservedElasticsearchInstanceOffering",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method
calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
"variableName" : "member"}
"variableType" : "ReservedElasticsearchInstanceOffering",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : "",
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstanceOffering",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType" : "java.util.List<ReservedElasticsearchInstanceOffering>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstanceOfferings",
"sensitive" : false,
"setterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings",
"setterMethodName" : "setReservedElasticsearchInstanceOfferings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName" : "reservedElasticsearchInstanceOfferings",
  "variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : null,
  "simpleType" : "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName" : "reservedElasticsearchInstanceOfferings", Open Source Used In SDWan 20.4.1 13214
"variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
"simpleType" : "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"}

"xmlNameSpaceUri" : null

",

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  This is a convenience that creates an instance of the @link String.Builder avoiding the need to
  create one manually via @{link String#builder()}. When the @link Consumer completes, @{link
  String.Builder#build()} is called immediately and its result is passed to @{link
  #nextToken(String)}. @param nextToken a consumer that will call methods on @{link
  String.Builder} @return Returns a reference to this object
  so that method calls can be chained together. @see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  @param nextToken Provides an identifier to allow retrieval of paginated results.@return Returns a reference to this object
  so that method calls can be chained together."
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  @return Provides an identifier to allow retrieval of paginated results."
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD"
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results."

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
  "c2jName" : "ReservedElasticsearchInstanceOfferings",
  "c2jShape" : "ReservedElasticsearchInstanceOfferingList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
This is a convenience that creates an instance of the {@link
List<ReservedElasticsearchInstanceOffering>.Builder} avoiding the need to create one manually via {@link
List<ReservedElasticsearchInstanceOffering>#builder()}. When the {@link Consumer} completes, {@link
List<ReservedElasticsearchInstanceOffering>.Builder#build()} is called immediately and its result is passed to
"listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via { @link ReservedElasticsearchInstanceOffering#builder()}. When the { @link Consumer} completes, { @link ReservedElasticsearchInstanceOffering.Builder#build()} is called immediately and its result is passed to { @link ReservedElasticsearchInstanceOffering}. @param member a consumer that will call methods on { @link ReservedElasticsearchInstanceOffering.Builder} @return Returns a reference to this object so that method calls can be chained together.

    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.

    "getDocumentation" : "Returns the value of the Member property for this object."
    "getMember" : {
        "returnType" : "ReservedElasticsearchInstanceOffering",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
   "variableName" : "member",
   "variableType" : "ReservedElasticsearchInstanceOffering",
   "documentation" : null,
   "simpleType" : "ReservedElasticsearchInstanceOffering",
   "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
   "variableName" : "member",
   "variableType" : "ReservedElasticsearchInstanceOffering",
   "documentation" : "",
   "simpleType" : "ReservedElasticsearchInstanceOffering",
   "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstanceOffering",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType" : "java.util.List<ReservedElasticsearchInstanceOffering>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstanceOfferings",
"sensitive" : false,
"setterDocumentation" : "List of reserved Elasticsearch instance offerings\n\n@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings",
"setterMethodName" : "setReservedElasticsearchInstanceOfferings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName" : "reservedElasticsearchInstanceOfferings",
  "variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : null,
  "simpleType" : "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName" : "reservedElasticsearchInstanceOfferings",
  "variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : "List of reserved Elasticsearch instance offerings",
  "simpleType" : "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "variableName" : "describeReservedElasticsearchInstanceOfferingsResponse",
  "variableType" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "documentation" : null,
  "simpleType" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsResponse"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstancesRequest" : {
  "c2jName" : "DescribeReservedElasticsearchInstancesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
",
"deprecated" : false,
"documentation" : "<p>Container for parameters to
<code>DescribeReservedElasticsearchInstances</code></p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DescribeReservedElasticsearchInstances",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/reservedInstances",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #reservedElasticsearchInstanceId(String)\}.\n\n@param reservedElasticsearchInstanceId a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)",
  "deprecated" : false,
  "documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
  "fluentSetterMethodName" : "reservedElasticsearchInstanceId",
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "DescribeReservedElasticsearchInstances",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/reservedInstances",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
  },
  "members" : [
    {
      "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
      "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
      "c2jName" : "ReservedElasticsearchInstanceId",
      "c2jShape" : "GUID",
      "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #reservedElasticsearchInstanceId(String)\}.\n\n@param reservedElasticsearchInstanceId a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceId(String)"
  }
]
"fluentSetterDocumentation" : "&lt;p&gt;The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.&lt;/p&gt;&lt;param
reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.&quot;,
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "&lt;p&gt;The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.&lt;/p&gt;&lt;@return The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
 },
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "reservationId",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "reservationId",
   "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.&lt;/p&gt;&lt;@param
reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.&lt;/p&gt;&lt;@param
reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.&quot;,
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "reservedElasticsearchInstanceId",
   "variableType" : "String"
}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID."
},
"simple" : true,
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100. This is a convenience that creates an instance of the Integer.Builder avoiding the need to create one manually via Integer.builder(). When the Consumer completes, Integer.Builder.build() is called immediately and its result is passed to #maxResults(Integer). Returns a reference to this object so that method calls can be chained together.
@param maxResults a consumer that will call methods on Integer.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)"
},
"deprecated" : false,
"documentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100.
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100.\n@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.\n@return Returns a reference to this object so that method calls can be chained together."
},
"getterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100.\n@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.\n@return Set this value to limit the number of results returned. If not specified, defaults to 100."
},
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p><p>@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
  "simpleType" : "Integer"}
"variableSetterType" : "Integer",
},
"xmlNameSpaceUri" : null,
},
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.

@see #nextToken(String)
  "deprecated" : false,
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
  "complexType" : false,
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "nextToken",
  }
}
avoiding the need to create one manually via \{@link Integer\#builder()}\n
When the \{@link Consumer\} completes, \{@link Integer\#build()\} is called immediately and its result is passed to \{@link \#maxResults(Integer)\}\n
@see \#maxResults(Integer)"

"deprecated" : false,
"documentation" : "\<p\>Set this value to limit the number of results returned. If not specified, defaults to 100.\</p\>\n
@end\",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "\<p\>Set this value to limit the number of results returned. If not specified, defaults to 100.\</p\>\n
@see \#maxResults(Integer)",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "\<p\>Set this value to limit the number of results returned. If not specified, defaults to 100.\</p\>\n
@see \#maxResults(Integer)",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100."

"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
"xmlNameSpaceUri" : null

"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.\n@param nextToken a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.<br/>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.<br/>
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "nextToken",
"getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.<br/>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "nextToken",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.<br/>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
"setterMethodName": "setNextToken",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "nextToken",
"variableType": "String"}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String" 
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this
parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
This is a
convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via
{@link String#builder()}. When the [@link Consumer] completes, {@link String.Builder#build()} is called
immediately and its result is passed to [@link reservedElasticsearchInstanceId(String)].

@see reservedElasticsearchInstanceId a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the
reservation that matches the specified reserved Elasticsearch instance ID.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
  "fluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show
only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@see reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the
reservation that matches the specified reserved Elasticsearch instance ID. @return Returns a reference to this
object so that method calls can be chained together.",
  "fluentSetterMethodName" : "reservedElasticsearchInstanceId",
  "getterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the
reservation that matches the specified reserved Elasticsearch instance ID.</p>@return The reserved instance
identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.

"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "queryString",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "reservationId",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "reservationId",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceId",
"sensitive": false,
"setterDocumentation": "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.

"setterMethodName": "setReservedElasticsearchInstanceId",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "reservedElasticsearchInstanceId",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": null"
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the \[String.Builder\] avoiding the need to create one manually via \{String.builder().\}. When the \{Consumer\} completes, \{String.Builder#build()\} is called immediately and its result is passed to \{reservedElasticsearchInstanceId(String)\}.\n\n@see 
#reservedElasticsearchInstanceId(String)",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the \{String.Builder\} avoiding the need to create one manually via \{String.builder().\}.\nWhen the \{Consumer\} completes, \{String.Builder#build()\} is called immediately and its result is passed to \{reservedElasticsearchInstanceId(String)\}.\n\n@see 
#reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the \{String.Builder\} avoiding the need to create one manually via \{String.builder().\}.\nWhen the \{Consumer\} completes, \{String.Builder#build()\} is called immediately and its result is passed to \{reservedElasticsearchInstanceId(String)\}.\n\n@see 
#reservedElasticsearchInstanceId(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the \{String.Builder\} avoiding the need to create one manually via \{String.builder().\}.\nWhen the \{Consumer\} completes, \{String.Builder#build()\} is called immediately and its result is passed to \{reservedElasticsearchInstanceId(String)\}.\n\n@see 
#reservedElasticsearchInstanceId(String)",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.\n\nThis is a convenience that creates an instance of the \{String.Builder\} avoiding the need to create one manually via \{String.builder().\}.\nWhen the \{Consumer\} completes, \{String.Builder#build()\} is called immediately and its result is passed to \{reservedElasticsearchInstanceId(String)\}.\n\n@see 
#reservedElasticsearchInstanceId(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
"
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "reservationId",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "reservationId",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceId",
"sensitive": false,
"setterDocumentation": "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"setterMethodName": "setReservedElasticsearchInstanceId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceId",
  "variableType": "String",
  "documentation": "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
"simpleType": "String",}
"variableSetterType": "String",
},
"xmlNameSpaceUri": null
],
{
"beanStyleGetterMethodName": "getMaxResults",
"beanStyleSetterMethodName": "setMaxResults",
"c2jName": "MaxResults",
"c2jShape": "MaxResults",
"defaultConsumerFluentSetterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>\nThis is a convenience that creates an instance of the \{ @link Integer.Builder} avoiding the need to create one manually via \{ @link Integer#builder()}.\nWhen the \{ @link Consumer} completes, \{ @link Integer.Builder#build()\} is called immediately and its result is passed to \{ @link 
#maxResults(Integer)\}.\n\n@param maxResults a consumer that will call methods on \{ @link Integer.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)",
"deprecated": false,
"documentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
Set this value to limit the number of results returned. If not specified, defaults to 100.\n\n@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.\n\n@return Set this value to limit the number of results returned. If not specified, defaults to 100.\n",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "maxResults",
"queryString": true,
"statusCode": false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.\n@param nextToken a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see
# NextToken(String)

- "deprecated": false,
- "documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
- "endpointDiscoveryId": false,
- "enumType": null,
- "eventHeader": false,
- "eventPayload": false,
- "fluentEnumGetterMethodName": null,
- "fluentEnumSetterMethodName": null,
- "fluentGetterMethodName": "nextToken",
- "fluentSetterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.",
- "fluentSetterMethodName": "nextToken",
- "getterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
- "getterModel": {
  "returnType": "String",
  "documentation": null
},
- "http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "nextToken",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
- "idempotencyToken": false,
- "isBinary": false,
- "jsonValue": false,
- "list": false,
- "listModel": null,
- "map": false,
- "mapModel": null,
- "marshallingType": "STRING",
- "name": "NextToken"
"setterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

"setterMethodName" : "setNextToken",

"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

"simpleType" : "String",
"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
}]

"requestSignerAware" : false,

"requestSignerClassFqn" : null,

"required" : null,

"shapeName" : "DescribeReservedElasticsearchInstancesRequest",

"simpleMethod" : true,

"unmarshaller" : null,

"variable" : {
"variableDeclarationType" : "DescribeReservedElasticsearchInstancesRequest",
"variableName" : "describeReservedElasticsearchInstancesRequest",
"variableType" : "DescribeReservedElasticsearchInstancesRequest",
"documentation" : null,
"simpleType" : "DescribeReservedElasticsearchInstancesRequest",
"variableSetterType" : "DescribeReservedElasticsearchInstancesRequest"
},

"wrapper" : false
},

"DescribeReservedElasticsearchInstancesResponse" : {
"c2jName" : "DescribeReservedElasticsearchInstancesResponse",

"customization" : {
"artificialResultWrapper" : null,

"skipGeneratingMarshaller" : false,

"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for results from DescribeReservedElasticsearchInstances.

"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  { "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder()

When the Consumer completes, the String.Builder#build() is called immediately and its result is passed to String Builder
nextToken a consumer that will call methods on String.Builder

@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "Provides an identifier to allow retrieval of paginated results.

endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results.

@param nextToken Provides an identifier to allow retrieval of paginated results.

@return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)",
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "Provides an identifier to allow retrieval of paginated results.

getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param

nextToken Provides an identifier to allow retrieval of paginated results.",
"setterMethodName" : "setNextToken",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
"c2jName" : "ReservedElasticsearchInstances",
"c2jShape" : "ReservedElasticsearchInstanceList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the {@link List<ReservedElasticsearchInstance>.Builder} avoiding the need to create one manually via {@link List<ReservedElasticsearchInstance>#builder()}. When the {@link Consumer} completes, {@link List<ReservedElasticsearchInstance>.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)}. param reservedElasticsearchInstances a consumer that will call methods on {@link List<ReservedElasticsearchInstance>.Builder}. @return Returns a reference to this object so that method calls can be chained together. @see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstances",
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances. @return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstances",
"getterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. @return List of reserved Elasticsearch instances."

"getterModel" : {
"returnType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstances",
"uri" : false
},

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstance",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the @link ReservedElasticsearchInstance.Builder avoiding the need to create one manually via @link ReservedElasticsearchInstance.Builder(). When the @link Consumer completes, @link ReservedElasticsearchInstance.Builder#build() is called immediately and its result is passed to @link #member(ReservedElasticsearchInstance)().\n@param member a consumer that will call methods on @link ReservedElasticsearchInstance.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(ReservedElasticsearchInstance)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(ReservedElasticsearchInstance)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.\n",
    "getterModel" : {
      "returnType" : "ReservedElasticsearchInstance",
      "documentation" : null
    }
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",}
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedElasticsearchInstance",
  "variableName": "member",
  "variableType": "ReservedElasticsearchInstance",
  "documentation": null,
  "simpleType": "ReservedElasticsearchInstance",
  "variableSetterType": "ReservedElasticsearchInstance"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ReservedElasticsearchInstance",
  "variableName": "member",
  "variableType": "ReservedElasticsearchInstance",
  "documentation": "",
  "simpleType": "ReservedElasticsearchInstance",
  "variableSetterType": "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "ReservedElasticsearchInstance",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "ReservedElasticsearchInstance",
"templateImplType": "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType": "java.util.List<ReservedElasticsearchInstance>"
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"sensitive" : false,
"setterDocumentation" : "<p>Of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.",
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
  "variableName" : "reservedElasticsearchInstances",
  "variableType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : null,
  "simpleType" : "List<ReservedElasticsearchInstance>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
  "variableName" : "reservedElasticsearchInstances",
  "variableType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : "<p>List of reserved Elasticsearch instances.</p>
  \param reservedElasticsearchInstances List of reserved Elasticsearch instances.",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  \param nextToken a consumer that will call methods on \@link String.Builder \n  when the[@link Consumer] completes, \@link String.Builder#build() is called immediately and its result is passed to \@link #nextToken(String).
  \return Returns a reference to this object so that method calls can be chained together.
  \see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
  "variableName" : "reservedElasticsearchInstances",
  "variableType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : null,
  "simpleType" : "List<ReservedElasticsearchInstance>",
  "variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
}
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results.
@return Provides an identifier to allow retrieval of paginated results.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallingLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"ReservedElasticsearchInstances" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
  "c2jName" : "ReservedElasticsearchInstances",
  "c2jShape" : "ReservedElasticsearchInstanceList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the [ @link List<ReservedElasticsearchInstance>.Builder] avoiding the need to create one manually via [ @link List<ReservedElasticsearchInstance>#builder()].

when the [ @link Consumer] completes, [ @link List<ReservedElasticsearchInstance>.Builder#build()] is called immediately and its result is passed to [ @link reservedElasticsearchInstances(List<ReservedElasticsearchInstance>))].

When the Consumer completes, the List<ReservedElasticsearchInstance> is called immediately and its result is passed to the List<ReservedElasticsearchInstance>.

@link List<ReservedElasticsearchInstance>.Builder\n@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
  "deprecated" : false,
  "documentation" : "<p>List of reserved Elasticsearch instances.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstances",
  "fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.
@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "reservedElasticsearchInstances",
  "getterDocumentation" : "<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return List of reserved Elasticsearch instances.
",
  "getterModel" : {
    "returnType" : "java.util.List<ReservedElasticsearchInstance>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstances",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
   "implType" : "java.util.ArrayList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "ReservedElasticsearchInstance",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link ReservedElasticsearchInstance.Builder] avoiding the need to create one manually via [@link ReservedElasticsearchInstance#builder()].
When the [@link Consumer] completes, [@link ReservedElasticsearchInstance.Builder#build()] is called immediately and its result is passed to [@link #member(ReservedElasticsearchInstance)].
@param member a consumer that will call methods on [@link ReservedElasticsearchInstance.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(ReservedElasticsearchInstance)",
   "deprecated" : false,
   "documentation" : "",
   "endpointDiscoveryId" : false,
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : "null",
   "fluentEnumSetterMethodName" : "null",
   "fluentGetterMethodName" : "member",
   "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together."
   "fluentSetterMethodName" : "member",
   "getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object."
"getterModel" : {
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"complexType" : "ReservedElasticsearchInstance",
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"simple" : false,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"xmlNameSpaceUri" : null
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"sensitive" : false,
"setterDocumentation" : "List of reserved Elasticsearch instances.",
@param
reservedElasticsearchInstances List of reserved Elasticsearch instances.",
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"simple" : false,
"name" : "NextToken",
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"xmlNameSpaceUri" : null
}
},
"name" : "ReservedElasticsearchInstances",
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"simple" : false,
"name" : "NextToken",
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"xmlNameSpaceUri" : null
}
}]
}
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.

<p>Provides an identifier to allow retrieval of paginated results.</p>

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.

@param nextToken a consumer that will call methods on {@link String.Builder}.<br>
@returns Returns a reference to this object so that method calls can be chained together."

"deprecated" : false,
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>

@endp@return nextToken Provides an identifier to allow retrieval of paginated results.<br>
@returns Returns a reference to this object so that method calls can be chained together."

"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>

@endp@returns Returns a reference to this object so that method calls can be chained together."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flat" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results."
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>Provides an identifier to allow retrieval of paginated results.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getReservedElasticsearchInstances",
"beanStyleSetterMethodName": "setReservedElasticsearchInstances",
"c2jName": "ReservedElasticsearchInstances",
"c2jShape": "ReservedElasticsearchInstanceList",
"defaultConsumerFluentSetterDocumentation": "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the \{ @link List<ReservedElasticsearchInstance>.Builder\} avoiding the need to create one manually via \{ @link List<ReservedElasticsearchInstance>#builder()\}. When the \{ @link Consumer\} completes, \{ @link List<ReservedElasticsearchInstance>.Builder#build()\} is called immediately and its result is passed to \{ @link #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)\}.\n@see #reservedElasticsearchInstances\n@return Returns a reference to this object so that method calls can be chained together.\n"deprecated": false,
"documentation": "<p>List of reserved Elasticsearch instances.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservedElasticsearchInstances"
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "reservedElasticsearchInstances",
"getterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return List of reserved Elasticsearch instances.",
"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstances",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstances",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstance",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object."
  }
},
"deprecated" : false,
"documentation" : "This is a convenience that creates an instance of the [ReservedElasticsearchInstance.Builder] avoiding the need to create one manually via [ReservedElasticsearchInstance#builder()]. When the [ReservedElasticsearchInstance.Builder#build()] is called immediately and its result is passed to [member(ReservedElasticsearchInstance)]."

@link member(ReservedElasticsearchInstance)
@return member a consumer that will call methods on [ReservedElasticsearchInstance.Builder]

deprecated" : false,
"documentation" : ""
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : null,
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@returns {ReservedElasticsearchInstance} The new value for the Member property for this object.

@endreturns

@memberof Member

setterDocumentation" : "Sets the value of the Member property for this object.

@returns {ReservedElasticsearchInstance} The value of the Member property for this object.

@endreturns

setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ReservedElasticsearchInstance",
    "returnType" : "ReservedElasticsearchInstance",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@returns {ReservedElasticsearchInstance} The new value for the Member property for this object.

@endreturns

setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ReservedElasticsearchInstance",
    "returnType" : "ReservedElasticsearchInstance",
    "documentation" : null
}
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;List of reserved Elasticsearch instances.&lt;/p&gt;\n@param reservedElasticsearchInstances List of reserved Elasticsearch instances.\n", "setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : null,
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "List of reserved Elasticsearch instances.<p>
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"xmlNameSpaceUri" : null
} ]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstancesResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeReservedElasticsearchInstancesResponse",
"variableName" : "describeReservedElasticsearchInstancesResponse",
"variableType" : "DescribeReservedElasticsearchInstancesResponse",
"documentation" : null,
"simpleType" : "DescribeReservedElasticsearchInstancesResponse",
"variableSetterType" : "DescribeReservedElasticsearchInstancesResponse"
},
"wrapper" : false
"DisabledOperationException" : {
"c2jName" : "DisabledOperationException",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "An error occured because the client wanted to access a not supported operation. Gives http status code of 409."}
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : "DisabledOperationException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember": false,
"httpStatusCode": 409,
"marshaller": null,
"members": [],
"membersAsMap": {},
"nonStreamingMembers": [],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DisabledOperationException",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "DisabledOperationException",
  "variableName": "disabledOperationException",
  "variableType": "DisabledOperationException",
  "documentation": null,
  "simpleType": "DisabledOperationException",
  "variableSetterType": "DisabledOperationException"
},
"wrapper": false
},
"DomainInfo": {
  "c2jName": "DomainInfo",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    {
      "beanStyleGetterMethodName": "getDomainName",
      "beanStyleSetterMethodName": "setDomainName",
      "documentation": "",
      "simpleType": "DomainInfo"
    }
  ]
}
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}. @param domainName a consumer that will call methods on
{@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p> Specifies the <code>DomainName</code>. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p> Specifies the <code>DomainName</code>. </p>
@return Specifies the <code>DomainName</code>.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>. </p>
@param domainName
Specifies the <code>DomainName</code>.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> Specifies the <code>DomainName</code>. </p>
@end deprecated
"@param domainName
This is a convenience that creates an instance of the { @link String#builder() } avoiding the need to create one manually via
{ @link String#builder() }. 

When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to
{ @link #domainName(String)#domainName(String) } a consumer that will call methods on
{ @link String.Builder#toString(String) }.
@see { @link String.Builder#toString(String) }
@return Returns a reference to this object so that method calls can be chained together.
@see { @link #domainName(String) }
", "deprecated" : true,
"documentation" : "<p> Specifies the <code>DomainName</code>. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.\n@return Returns a reference to this object so that method calls can be
chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p> Specifies the <code>DomainName</code>.\n@return Specifies the
<code>DomainName</code>.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>.\n@param domainName Specifies the <code>DomainName</code>.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> Specifies the <code>DomainName</code>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.\n@see #domainName(String)\n\n@deprecated" : false,
  "documentation" : "<p> Specifies the <code>DomainName</code>.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
@see #domainName(String)\n\n@return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
@see #domainName(String)\n\n@return Returns a reference to this object so that method calls can be chained together."
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>. </p>\n@param domainName
Specifies the <code>DomainName</code>.
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> Specifies the <code>DomainName</code>. </p>\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DomainInfo".
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "DomainInfo",
    "variableName" : "domainInfo",
    "variableType" : "DomainInfo",
    "documentation" : null,
    "simpleType" : "DomainInfo",
    "variableSetterType" : "DomainInfo"
},
"wrapper" : false
},
"EBSOptions" : {
    "c2jName" : "EBSOptions",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p>Options to enable, disable, and specify the properties of EBS storage volumes. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank"&gt; Configuring EBS-based Storage&lt;/a&gt;.&lt;/p&gt;",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : null,
    "members" : [ {
        "beanStyleGetterMethodName" : "getEbsEnabled",
        "beanStyleSetterMethodName" : "setEbsEnabled",
        "c2jName" : "EBSEnabled",
        "c2jShape" : "Boolean",
        "defaultValueConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies whether EBS-based storage is enabled.&lt;/p&gt;&lt;\p&gt;This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to
create one manually via `{@link Boolean#builder()}`.

When the `{@link Consumer} completes, `{@link Boolean.Builder#build()} is called immediately and its result is passed to `{@link #ebsEnabled(Boolean)}`.

`@param ebsEnabled a consumer that will call methods on `{@link Boolean.Builder}`

`@return Returns a reference to this object so that method calls can be chained together.`

`@see #ebsEnabled(Boolean)`

"deprecated" : false,
"documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>"

"param ebsEnabled Specifies whether EBS-based storage is enabled.

```
@return Returns a reference to this object so that method calls can be chained together.
```

"getterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>"

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSEnabled",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "EBSEnabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.

@code
@param ebsEnabled
Specifies whether EBS-based storage is enabled.
@endcode
"setterMethodName" : "setEbsEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsEnabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "ebsEnabled",
"variableType" : "Boolean",
"documentation" : "<p>Specifies whether EBS-based storage is enabled.

@code
@param ebsEnabled
Specifies whether EBS-based storage is enabled.
@endcode
"variableSetterType" : "Boolean",
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVolumeTypeAsString",
"beanStyleSetterMethodName" : "setVolumeType",
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.

@code
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link VolumeTypeAsString(String)]

@code
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType
@endcode
"deprecated" : false,
"documentation" : "<p> Specifies the volume type for EBS-based storage.

@code
@endcode
"endpointDiscoveryId" : false,
"enumType" : "VolumeType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "volumeType",
"fluentEnumSetterMethodName" : "volumeType",
"fluentGetterMethodName" : "volumeTypeAsString",
"fluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.

@code
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType
@endcode
"
"fluentSetterMethodName" : "volumeType",
"getterDocumentation" : "<p> Specifies the volume type for EBS-based storage. </p>
If the service returns an enum value that is not available in the current SDK version, [@link #volumeType] will return [@link VolumeType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #volumeTypeAsString].

@return Specifies the volume type for EBS-based storage.
@see VolumeType",

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VolumeType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeType",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VolumeType",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the volume type for EBS-based storage. </p>
@param volumeType Specifies the volume type for EBS-based storage.
@see VolumeType",

"setterMethodName" : "setVolumeType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getVolumeSize",
"beanStyleSetterMethodName" : "setVolumeSize",
"c2jName" : "VolumeSize",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #volumeSize(Integer)}. When a consumer that will call methods on {@link Integer.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #volumeSize(Integer)",
  "deprecated" : false,
  "documentation" : "<p> Integer to specify the size of an EBS volume.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "volumeSize",
  "fluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize Integer to specify the size of an EBS volume.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "volumeSize",
  "getterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@return Integer to specify the size of an EBS volume.
@see #volumeSize(Integer)"
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VolumeSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeSize",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "VolumeSize",
"sensitive" : false,
"setterDocumentation" : "<p> Integer to specify the size of an EBS volume.\n\n@param volumeSize Integer to specify the size of an EBS volume.\n\n@setterMethodName" : \"setVolumeSize\",
"setterModel" : {
"variableDeclarationType" : \"Integer\",
"variableName" : \"volumeSize\",
"variableType" : \"Integer\",
"documentation" : null,
"simpleType" : \"Integer\",
"variableSetterType" : \"Integer\"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : \"Integer\",
"variableName" : \"volumeSize\",
"variableType" : \"Integer\",
"documentation" : \"\n\n@setterDocumentation\n\n<p> Integer to specify the size of an EBS volume.\n\n@setterMethodName" : \"setIops\",
"setterModel" : {
"variableDeclarationType" : \"Integer\",
"variableName" : \"iops\",
"variableType" : \"Integer\",
"documentation" : \"\n\n@setterDocumentation\n\n<p> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).\n\n@defaultConsumerFluentSetterDocumentation" : \"\n\n@defaultConsumerFluentSetterDocumentation\n\n<p>This is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer.Builder\}.\n\nWhen the \{@link Consumer\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link #iops(Integer)\}.\n\n@param iops a
consumer that will call methods on { @link Integer.Builder}\n@return Returns a reference to this object so that
method calls can be chained together.\n@see #iops(Integer)

"deprecated" : false,
"documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "iops",
"fluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume
(SSD).</p>
@returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "iops",
"getterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@return Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Iops",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Iops",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Iops",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@returns a reference to this object so that method calls can be chained together."
"setterModel" : {"returnType" : "Integer",
  "documentation" : null
},
"waxVest" : false,
"waxVested" : false,
"waxVestingPeriod" : false,
"waxVestingSecurity" : false,
"waxVestingTimepoint" : false,
"waxVestingTrust" : false,
"waxVotingPower" : false,
"waxVotingPowerChange" : false,
"waxVotingPowerChangeInResponseTo" : false,
"waxVotingPowerInResponseTo" : false,
"waxVotingPowerPerAccount" : false,
"waxVotingPowerPerAsset" : false,
"waxVotingPowerPerAssetInResponseTo" : false,
"waxVotingPowerPerAssetNotInResponseTo" : false,
"waxVotingPowerPerAssetNotInResponseToChange" : false,
"waxVotingPowerPerAssetNotInResponseToChangeInResponseTo" : false,
"waxVotingPowerPerAssetNotInResponseToChangeInResponseToChange" : false,
"waxVotingPowerPerAssetNotInResponseToChangeNotInResponseTo" : false,
"waxVotingPowerPerAssetNotInResponseToChangeNotInResponseToChange" : false,
"waxVotingPowerPerAssetNotInResponseToChangeNotInResponseToChangeInResponseTo" : false,
"waxVotingPowerPerAssetNotInResponseToChangeNotInResponseToChangeInResponseToChange" : false,
iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).

"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "EBSEnabled" : {
    "beanStyleGetterMethodName" : "getEbsEnabled",
    "beanStyleSetterMethodName" : "setEbsEnabled",
    "c2jName" : "EBSEnabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "Specifies whether EBS-based storage is enabled.
<p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #ebsEnabled(Boolean)}.<p>
@param ebsEnabled a consumer that will call methods on {@link Boolean.Builder}
@return Returns a reference to this object so that method calls can be chained together.<p>
@see #ebsEnabled(Boolean)"
  },
  "deprecated" : false,
  "documentation" : "Specifies whether EBS-based storage is enabled."
}
"getterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>\n@return Specifies whether EBS-based storage is enabled.",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EBSEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EBSEnabled",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "EBSEnabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>\n@param ebsEnabled Specifies whether EBS-based storage is enabled.",
"setterMethodName" : "setEbsEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsEnabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "ebsEnabled",
}
"variableType" : "Boolean",
"documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Iops" : {
"beanStyleGetterMethodName" : "getIops",
"beanStyleSetterMethodName" : "setIops",
"c2jName" : "Iops",
"c2jShape" : "IntegerClass",
"defaultValueConsumerFluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>

This is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer.Builder()\}. When the \{@link Integer.Builder\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link #iops(Integer)\}.

@param iops a consumer that will call methods on \{@link Integer.Builder\}
@return Returns a reference to this object so that method calls can be chained together.
@see #iops(Integer)",
"deprecated" : false,
"documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "iops",
"fluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>

Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).

@returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "iops",
"getterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@returns a reference to this object so that method calls can be chained together.
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "iops",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Iops",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "iops",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>\n@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"VolumeSize" : {
  "beanStyleGetterMethodName" : "getVolumeSize",
  "beanStyleSetterMethodName" : "setVolumeSize",
  "c2jName" : "VolumeSize",
  "c2jShape" : "IntegerClass",
  "defaultValueConsumerFluentSetterDocumentation" : "<p>Integer to specify the size of an EBS volume.</p>\nThis is a convenience that creates an instance of the {link Integer.Builder} avoiding the need to create one manually
via {link Integer#builder()}.\n\nWhen the {link Consumer} completes, {link Integer.Builder#build()} is called immediately and its result is passed to {link #volumeSize(Integer)}.\n@param volumeSize a consumer that will call methods on {link Integer.Builder}\n@return Returns a reference to this object so that method calls can be
chained together.

"deprecated" : false,
"documentation" : 
"<p> Integer to specify the size of an EBS volume. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "volumeSize",
"fluentSetterDocumentation" : 
"<p> Integer to specify the size of an EBS volume. </p>
@param volumeSize
Integer to specify the size of an EBS volume.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "volumeSize",
"getterDocumentation" : 
"<p> Integer to specify the size of an EBS volume. </p>
@return Integer to specify the size of an EBS volume.
",
"getterModel" : 

{"returnType" : "Integer",
"documentation" : null
},
"http" : 

{"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VolumeSize",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeSize",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "VolumeSize",
"sensitive" : false,
"setterDocumentation" : 
"<p> Integer to specify the size of an EBS volume. </p>
@param volumeSize
Integer to specify the size of an EBS volume.
"};
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : "Integer to specify the size of an EBS volume.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"VolumeType" : {
  "beanStyleGetterMethodName" : "getVolumeTypeAsString",
  "beanStyleSetterMethodName" : "setVolumeType",
  "c2jName" : "VolumeType",
  "c2jShape" : "VolumeType",
  "defaultConsumerFluentSetterDocumentation" : "Specifies the volume type for EBS-based storage.
This is a convenience that creates an instance of the \@link String.Builder\ avoiding the need to create one manually via \@link String#builder().\nWhen the \@link Consumer\ completes, \@link String.Builder#build()\ is called immediately and its result is passed to \@link #volumeTypeAsString(String)\.\n\@param volumeType\ a consumer that will call methods on \@link String.Builder\\n\@return\ Returns a reference to this object so that method calls can be chained together.\n\@see #volumeType(String)",
  "deprecated" : false,
  "documentation" : "Specifies the volume type for EBS-based storage.",
  "endpointDiscoveryId" : false,
  "enumType" : "VolumeType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "volumeType",
  "fluentEnumSetterMethodName" : "volumeType",
  "fluentGetterMethodName" : "volumeTypeAsString",
  "fluentSetterDocumentation" : "Specifies the volume type for EBS-based storage.\n\@param volumeType\ Specifies the volume type for EBS-based storage.\n\@return\ Returns a reference to this object so that method calls can be chained together.\n\@see #volumeType(String)",
  "fluentSetterMethodName" : "volumeType",
  "getterDocumentation" : "Specifies the volume type for EBS-based storage.\n\@param volumeType\ Specifies the volume type for EBS-based storage.\n\@return\ Returns a reference to this object so that method calls can be chained together.\n\@see #volumeType",
  "getterMethodName" : "volumeType",
  "getterPayload" : false,
  "getterPayloadIndex" : 0,
  "getterPayloadMaxIndex" : 0,
  "getterPayloadMinIndex" : 0,
  "getterPayloadSize" : 0,
  "getterPayloadType" : null,
  "isEnum" : true,
  "isSimple" : false,
  "isType" : true,
  "listIndex" : 0,
  "listPayload" : null,
  "listPayloadIndex" : 0,
  "listPayloadMaxIndex" : 0,
  "listPayloadMinIndex" : 0,
  "listPayloadSize" : 0,
  "listPayloadType" : null,
  "logicalName" : "VolumeType",
  "messageVersion" : "1.0",
  "name" : "VolumeType",
  "nameIn" : "Query",
  "payloadType" : null,
  "payloadTypeIndex" : 0,
  "payloadTypeMaxIndex" : 0,
  "payloadTypeMinIndex" : 0,
  "payloadTypeSize" : 0,
  "payloadTypeType" : null,
  "primitiveType" : "String",
  "primitiveTypeIndex" : 0,
  "primitiveTypeMaxIndex" : 0,
  "primitiveTypeMinIndex" : 0,
  "primitiveTypeSize" : 0,
  "primitiveTypeType" : null,
  "wrapperType" : null,
  "wrapperTypeIndex" : 0,
  "wrapperTypeMaxIndex" : 0,
  "wrapperTypeMinIndex" : 0,
  "wrapperTypeSize" : 0,
  "wrapperTypeType" : null,
  "xmlNameSpaceUri" : null
}
"variableType" : "String",
"documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
}

"nonStreamingMembers" : [ {  
"beanStyleGetterMethodName" : "getEbsEnabled",
"beanStyleSetterMethodName" : "setEbsEnabled",
"c2jName" : "EBSEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #ebsEnabled(Boolean)}. A consumer that will call methods on {@link Boolean.Builder} will return Returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)"
,
"deprecated" : false,
"documentation" : "<p> Specifies whether EBS-based storage is enabled.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterDocumentation" : "<p> Specifies whether EBS-based storage is enabled.</p>
@param ebsEnabled Specifies whether EBS-based storage is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)"
,
"getterMethodName" : "ebsEnabled",
"getterDocumentation" : "<p> Specifies whether EBS-based storage is enabled.</p>
@return Specifies whether EBS-based storage is enabled.
@see #ebsEnabled(Boolean)"
,
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "nonStreamingMembers" : [ {  
"beanStyleGetterMethodName" : "getEbsEnabled",
"beanStyleSetterMethodName" : "setEbsEnabled",
"c2jName" : "EBSEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether EBS-based storage is enabled.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #ebsEnabled(Boolean)}. A consumer that will call methods on {@link Boolean.Builder} will return Returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)"
,
"deprecated" : false,
"documentation" : "<p> Specifies whether EBS-based storage is enabled.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterDocumentation" : "<p> Specifies whether EBS-based storage is enabled.</p>
@param ebsEnabled Specifies whether EBS-based storage is enabled.
@return Returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)"
,
"getterMethodName" : "ebsEnabled",
"getterDocumentation" : "<p> Specifies whether EBS-based storage is enabled.</p>
@return Specifies whether EBS-based storage is enabled.
@see #ebsEnabled(Boolean)"
,
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EBSEnabled",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EBSEnabled",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "EBSEnabled",
"sensitive": false,
"setterDocumentation": "<p>Specifies whether EBS-based storage is enabled.</p>
@param ebsEnabled
Specifies whether EBS-based storage is enabled.",
"setterMethodName": "setEbsEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "ebsEnabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "ebsEnabled",
  "variableType": "Boolean",
  "documentation": "<p>Specifies whether EBS-based storage is enabled.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getVolumeTypeAsString",
"beanStyleSetterMethodName": "setVolumeType",
"c2jName": "VolumeType",
"c2jShape": "VolumeType",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the volume type for EBS-based storage.</p>

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().

When the Consumer completes, String.Builder#build() is called immediately and its result is passed to
"name" : "VolumeType",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the volume type for EBS-based storage.</p>
@param volumeType
Specifies the volume type for EBS-based storage.<br/>
@see VolumeType",
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p>Specifies the volume type for EBS-based storage.</p>
  @param volumeType
  Specifies the volume type for EBS-based storage.
  @see VolumeType",
  "setterMethodName" : "setVolumeSize",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "volumeSize",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVolumeSize",
"beanStyleSetterMethodName" : "setVolumeSize",
"c2jName" : "VolumeSize",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p>Integer to specify the size of an EBS volume.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually
via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is
called immediately and its result is passed to {@link #volumeSize(Integer)}.
@param volumeSize a consumer that
will call methods on {@link Integer.Builder} and return
Returns a reference to this object so that method calls can be chained together.<br/>
@see #volumeSize(Integer)",
"deprecated" : false,
"documentation" : "<p>Integer to specify the size of an EBS volume.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : "null",
"fluentGetterMethodName" : "volumeSize",
"fluentSetterDocumentation" : "<p>Integer to specify the size of an EBS volume.</p>
@param volumeSize
Integer to specify the size of an EBS volume.<br/>
@see #volumeSize(Integer)
integer to specify the size of an EBS volume.
@param volumeSize
integer to specify the size of an EBS volume.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "volumeSize",}
"getterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@return Integer to specify the size of an EBS volume.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VolumeSize",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeSize",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "VolumeSize",
"sensitive" : false,
"setterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize Integer to specify the size of an EBS volume.",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer"}
"variableType" : "Integer",
"documentation" : "<p> Integer to specify the size of an EBS volume.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
{
"beanStyleGetterMethodName" : "getIops",
"beanStyleSetterMethodName" : "setIops",
"c2jName" : "Iops",
"c2jShape" : "IntegerClass",
"defaultValueFluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #iops(Integer)}. When a consumer that will call methods on {@link Integer.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #iops(Integer)",
"deprecation" : false,
"documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "iops",
"fluentSetterMethodName" : "iops",
"getterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@return Specifies the IOPD for a Provisioned IOPS EBS volume (SSD). Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iops",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "iops",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@param
iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
} ].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EBSOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EBSOptions"}
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"wrapper" : false
},
"EBSOptionsStatus" : {
"c2jName" : "EBSOptionsStatus",
"customization" : {
 "artifactResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
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 "deprecated" : false,
 "documentation" : "<p>Status of the EBS options for the specified Elasticsearch domain.</p>",
 "endpointDiscovery" : null,
 "enums" : null,
 "errorCode" : null,
 "event" : false,
 "eventStream" : false,
 "explicitEventPayloadMember" : null,
 "hasHeaderMember" : false,
 "hasPayloadMember" : false,
 "hasStatusCodeMember" : false,
 "hasStreamingMember" : false,
 "httpStatusCode" : null,
 "marshaller" : null,
 "members" : [ {
 "beanStyleGetterMethodName" : "getOptions",
 "beanStyleSetterMethodName" : "setOptions",
 "c2jName" : "Options",
 "c2jShape" : "EBSOptions",
 "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #options(EBSOptions)}.\n@\n@param options a consumer that will call methods on {@link EBSOptions.Builder}\n@\n@return Returns a reference to this object so that method calls can be chained together.\n@\n@see #options(EBSOptions)",
 "deprecated" : false,
 "documentation" : "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@return Specifies the EBS options for the specified Elasticsearch domain.",
"getterModel" : {
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.
@return Specifies the EBS options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "options",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "options",
"variableType" : "EBSOptions",
"documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus.Builder#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.<br />
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"getterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@return Specifies the status of the EBS options for the specified Elasticsearch domain.
@see #status(OptionStatus)",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,"}
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"sensitive": false,
"setterDocumentation": "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>",
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
  "Options": ["status"]
"beanStyleGetterMethodName": "getOptions",
"beanStyleSetterMethodName": "setOptions",
"c2jName": "Options",
"c2jShape": "EBSOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\n\nThis is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions.Builder}.\n\nWhen the {@link Consumer} completes, \n\n@link EBSOptions.Builder\n\n@see \n\n@link EBSOptions.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see \n\n#options(EBSOptions)",
"deprecated": false,
"documentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\n\nSpecifies the EBS options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "options",
"getterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>\n\nSpecifies the EBS options for the specified Elasticsearch domain.",
"getterModel": {
  "returnType": "EBSOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain."

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},

"simple" : false,
"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},

"xmlNameSpaceUri" : null
},

"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "OptionStatus",
  "c2jShape" : "OptionStatus",
  "defaultValueConsumerFluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
  This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}. 
  @param status a consumer that will call methods on { @link OptionStatus.Builder} 
  @return Returns a reference to this object so that method calls can be chained together.
  @see #status(OptionStatus)"
},

"deprecated" : false,

"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.\n@returns Returns a reference to this object so that method calls can be chained together.\n</p> @param status Specifies the status of the EBS options for the specified Elasticsearch domain.\n@return Specifies the status of the EBS options for the specified Elasticsearch domain.\n"getterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.\n@return Specifies the status of the EBS options for the specified Elasticsearch domain.\n"getterModel" : {\n"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {\n"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.\n@returns Returns a reference to this object so that method calls can be chained together.\n</p> @param status Specifies the status of the EBS options for the specified Elasticsearch domain.\n"setterMethodName" : "setStatus",
"setterModel" : {\n"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}
},
"nonStreamingMembers": [ {
"beanStyleGetterMethodName": "getOptions",
"beanStyleSetterMethodName": "setOptions",
"c2jName": "Options",
"c2jShape": "EBSOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link EBSOptions.Builder}.

@see #options(EBSOptions)",
"deprecated": false,
"documentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.
@see #options(EBSOptions)",
"fluentSetterMethodName": "options",
"getterDocumentation": "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
@see #options(EBSOptions)",
"getterModel": {
"returnType": "EBSOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"marshallType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param
options Specifies the EBS options for the specified Elasticsearch domain."
,"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>"
,"simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlnsSpaceUri" : null
},


"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#build()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. Returns a reference to this object so that method calls can be chained together."

@see #status(OptionStatus)",
"deprecated": false,
"documentation": "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@param status a consumer that will call methods on<br>"<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
.parentNode().<br>When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. Returns a reference to this object so that method calls can be chained together.
<br>@see #status(OptionStatus)",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterMethodName": "status",
"fluentSetterDocumentation": "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",
"getterDocumentation": "<p> Specifies the status of the EBS options for the specified Elasticsearch domain. </p>
@return Specifies the status of the EBS options for the specified Elasticsearch domain.

@see #status(OptionStatus)",
"getterModel": {
  "returnType": "OptionStatus",
  "documentation": null
}

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Status",
  "uri": false
},
"idempotencyToken": false,
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"setterMethodName" : "setStatus",
"setterModel" : {
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"variableName" : "status",
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"documentation" : null,
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"variableSetterType" : "OptionStatus"
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"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.\n</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
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"requestSignerClassFqn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "EBSOptionsStatus",
"simpleMethod" : false,
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"variable" : {
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"variableSetterType" : "EBSOptionsStatus"
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"value": "r3.1.large.elasticsearch"
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"value": "r4.8xlarge.elasticsearch"
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"name": "I3_LARGE_ELASTICSEARCH",
"value": "i3.large.elasticsearch"
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"hasStatusCodeMember": false,

"hasStreamingMember": false,

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"Open Source Used In SDWan 20.4.1 13295"
"marshaller" : null,
"members" : [ ],
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"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ESPartitionInstanceType",
"simpleMethod" : false,
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  "flattened" : false,
  "resultWrapper" : null
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  "variableName" : "esPartitionInstanceType",
  "variableType" : "ESPartitionInstanceType",
  "documentation" : null,
  "simpleType" : "ESPartitionInstanceType",
  "variableSetterType" : "ESPartitionInstanceType"
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"wrapper" : false
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  "c2jName" : "ElasticsearchClusterConfig",
  "customization" : {
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    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
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  "deprecated" : false,
  "documentation" : "<p>Specifies the configuration for the domain cluster, such as the type and number of instances.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
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  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ ]
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"beanStyleSetterMethodName" : "setInstanceType",
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"c2jShape" : "ESPartitionInstanceType",
"defaultValue" : false,
"documentation" : "The instance type for an Elasticsearch cluster.
When the Consumer completes, String.Builder#build() is called immediately and its result is passed to String#builder()
@param instanceType a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #instanceType(String)",
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"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
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"getterDocumentation" : "The instance type for an Elasticsearch cluster.
If the service returns an enum value that is not available in the current SDK version, ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION will return the raw value returned by the service is available from ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from
@return The instance type for an Elasticsearch cluster.
@see ESPartitionInstanceType",
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"documentation" : null
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"header" : false,
"isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
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"isBinary": false,
"jsonValue": false,
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"listModel": null,
"map": false,
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  "variableType": "String",
  "documentation": "<p>The instance type for an Elasticsearch cluster.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getInstanceCount",
"beanStyleSetterMethodName": "setInstanceCount",
"c2jName": "InstanceCount",
"c2jShape": "IntegerClass",
"defaultConsumerFluentSetterDocumentation": "<p>The number of instances in the specified domain cluster.</p> This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Integer Consumer} completes, the call to {@link Integer.Builder#build()} is called immediately and its result is passed to {@link Integer
#instanceCount(Integer)}. @param instanceCount a consumer that will call methods on {@link
Integer.Builder}|@return Returns a reference to this object so that method calls can be chained together.@see #instanceCount(Integer)",
"deprecated": false,
"documentation": "<p>The number of instances in the specified domain cluster.</p>"},
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"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
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"fluentSetterDocumentation" : "The number of instances in the specified domain cluster.
@param instanceCount The number of instances in the specified domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "The number of instances in the specified domain cluster.
@return The number of instances in the specified domain cluster.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
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"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
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"jsonValue" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "The number of instances in the specified domain cluster.
@param instanceCount The number of instances in the specified domain cluster.
@return The number of instances in the specified domain cluster."
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"setterModel" : {
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"variableName" : "instanceCount",
"variableType" : "Integer"}
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of instances in the specified domain cluster.\nIt is a convenience that creates an instance of the \n{@link \nInteger.Builder} avoiding the need to create one manually via \n{@link \nInteger.Builder#builder()}.\nWhen the \n{@link \nConsumer} completes, \n{@link \nBoolean.Builder#build()}) is called immediately and its result is passed to \n{@link \n#dedicatedMasterEnabled(Boolean)}.
\nThis is a convenience that creates an instance of the the \n{@link \nBoolean.Builder} avoiding the need to create one manually via \n{@link \nBoolean.Builder#builder()}.\nWhen the \n{@link \nConsumer} completes, \n{@link \nBoolean.Builder#build()}) is called immediately and its result is passed to \n{@link \n#dedicatedMasterEnabled(Boolean)}.
\n\nA boolean value to indicate whether a dedicated master node is enabled. See \n<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes">About Dedicated Master Nodes</a> for more information.
\nThis is a convenience that creates an instance of the \n{@link \nBoolean.Builder} avoiding the need to create one manually via \n{@link \nBoolean.Builder#builder()}.\nWhen the \n{@link \nConsumer} completes, \n{@link \nBoolean.Builder#build()}) is called immediately and its result is passed to \n{@link \n#dedicatedMasterEnabled(Boolean)}.
\n\nA boolean value to indicate whether a dedicated master node is enabled. See \n<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes">About Dedicated Master Nodes</a> for more information.
\nThis is a convenience that creates an instance of the \n{@link \nBoolean.Builder} avoiding the need to create one manually via \n{@link \nBoolean.Builder#builder()}.\nWhen the \n{@link \nConsumer} completes, \n{@link \nBoolean.Builder#build()}) is called immediately and its result is passed to \n{@link \n#dedicatedMasterEnabled(Boolean)}.
\n\nA boolean value to indicate whether a dedicated master node is enabled. See \n<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes">About Dedicated Master Nodes</a> for more information.
A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

```json
"getterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>

@return A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.
",

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DedicatedMasterEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DedicatedMasterEnabled",
  "uri" : false
},

"idempotencyToken" : false,

"setterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>

@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.
",

"setterMethodName" : "setDedicatedMasterEnabled",

"setterModel" : {

"variableDeclarationType" : "Boolean",
"variableName" : "dedicatedMasterEnabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" :
{
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : "A boolean value to indicate whether a dedicated master node is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information."",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getZoneAwarenessEnabled",
"beanStyleSetterMethodName" : "setZoneAwarenessEnabled",
"c2jName" : "ZoneAwarenessEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information." This is a convenience that creates an instance of the {\@link Boolean.Builder} avoiding the need to create one manually via {\@link Boolean.Builder}.\n\nWhen the {\@link Consumer} completes, {\@link Boolean.Builder#build()} is called immediately and its result is passed to {\@link #zoneAwarenessEnabled(Boolean)}.

@see #zoneAwarenessEnabled(Boolean)
"deprecated" : false,
"documentation" : "A boolean value to indicate whether zone awareness is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information."",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "zoneAwarenessEnabled",
"fluentSetterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-"}
@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

@return A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

"fluentSetterMethodName" : "zoneAwarenessEnabled",
"getterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

@return A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ZoneAwarenessEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ZoneAwarenessEnabled",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"sensitive" : false,

"setterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

@return A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

"setterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ZoneAwarenessEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ZoneAwarenessEnabled",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"sensitive" : false,
"setterMethodName" : "setZoneAwarenessEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "zoneAwarenessEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "zoneAwarenessEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.&lt;/p&gt;",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlnsSpaceUri" : null,
},
{
  "beanStyleGetterMethodName" : "getDedicatedMasterTypeAsString",
  "beanStyleSetterMethodName" : "setDedicatedMasterType",
  "c2jName" : "DedicatedMasterType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p>The instance type for a dedicated master node.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterTypeAsString(String)}\n@param dedicatedMasterType a consumer that will call methods on {@link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #dedicatedMasterType(String)",
  "deprecated" : false,
  "documentation" : "<p>The instance type for a dedicated master node.\n</p>\n\nIf the service returns an enum value that is not available in the current SDK version, {@link #dedicatedMasterType} will return {@link
The instance type for a dedicated master node.

@see ESPartitionInstanceType

```
   
```

The instance type for a dedicated master node.

```
"variableName" : "dedicatedMasterType",
"variableType" : "String",
"documentation" : "<p>The instance type for a dedicated master node.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
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"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getDedicatedMasterCount",
"beanStyleSetterMethodName" : "setDedicatedMasterCount",
"c2jName" : "DedicatedMasterCount",
"c2jShape" : "IntegerClass",
"defaultValueFluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#build()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #dedicatedMasterCount(Integer)}. @param dedicatedMasterCount a consumer that will call methods on { @link Integer.Builder}\n return a reference to this object so that method calls can be chained together. @see #dedicatedMasterCount(Integer)",
"deprecated" : false,
"documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterCount",
"fluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@ModelAttribute dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster. @param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster. return a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@ModelAttribute dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
}
"marshallLocationName" : "DedicatedMasterCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
"sensitive" : false,
"setterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>\n@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.\n",
"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>\n",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "DedicatedMasterCount" : {
    "beanStyleGetterMethodName" : "getDedicatedMasterCount",
    "beanStyleSetterMethodName" : "setDedicatedMasterCount",
    "c2jName" : "DedicatedMasterCount",
    "c2jShape" : "IntegerClass",
    "defaultConsumerFluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>\nThis is a convenience that creates an instance of the [ @link Integer.Builder] avoiding
the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterCount(Integer)}.

When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterCount(Integer)}.

```
@Param dedicatedMasterCount a consumer that will call methods on {@link Integer.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see
#dedicatedMasterCount(Integer)
```

```
"deprecated" : false,
"documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterCount",
"fluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>

@return Total number of dedicated master nodes, active and on standby, for the cluster.

@getterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>

@getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DedicatedMasterCount",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DedicatedMasterCount",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"marshallsTo" : null,
"name" : "dedicatedMasterCount",
"payloadMarshallingType" : "INTEGER",
"payloadName" : "dedicatedMasterCount",
"required" : true,
"requiredReason" : "Total number of dedicated master nodes, active and on standby, for the cluster.

@return Total number of dedicated master nodes, active and on standby, for the cluster.

@see
#dedicatedMasterCount(Integer)"
"name": "DedicatedMasterCount",
"sensitive": false,
"setterDocumentation": "<p>Total number of dedicated master nodes, active and on standby, for the cluster.<p>
@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.",
"setterMethodName": "setDedicatedMasterCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "dedicatedMasterCount",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "dedicatedMasterCount",
  "variableType": "Integer",
  "documentation": "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null,
"DedicatedMasterEnabled": {
  "beanStyleGetterMethodName": "getDedicatedMasterEnabled",
  "beanStyleSetterMethodName": "setDedicatedMasterEnabled",
  "c2jName": "DedicatedMasterEnabled",
  "c2jShape": "Boolean",
  "defaultConsumerFluentSetterDocumentation": "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, the result is passed to the builder.

When the consumer returns a reference to this object so that method calls can be chained together.

@see #dedicatedMasterEnabled(Boolean)"
  "deprecated": false,
  "documentation": "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains-dedicatedmasternodes.html" target="_blank">About Dedicated Master Nodes</a> for more information.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventIdHeader": false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterEnabled",
"fluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "dedicatedMasterEnabled",

"getterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@return A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DedicatedMasterEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DedicatedMasterEnabled",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name": "DedicatedMasterEnabled",
"sensitive": false,
"setterDocumentation": "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>
@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.",
"setterMethodName": "setDedicatedMasterEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "dedicatedMasterEnabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "dedicatedMasterEnabled",
  "variableType": "Boolean",
  "documentation": "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,

"endpointDiscoveryId": false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "dedicatedMasterType",
"fluentEnumSetterMethodName" : "dedicatedMasterType",
"fluentGetterMethodName" : "dedicatedMasterTypeAsString",
"fluentSetterMethodName" : "dedicatedMasterType",
"getterDocumentation" : "The instance type for a dedicated master node.\n@param dedicatedMasterType The instance type for a dedicated master node.\n@see ESPartitionInstanceType\n@return Returns a reference to this object so that method calls can be chained together.\n@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DedicatedMasterType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DedicatedMasterType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DedicatedMasterType",
"sensitive" : false,
"setterDocumentation" : "The instance type for a dedicated master node.\n@param dedicatedMasterType The instance type for a dedicated master node.\n@see ESPartitionInstanceType",
"setterMethodName" : "setDedicatedMasterType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "dedicatedMasterType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dedicatedMasterType",
  "variableType" : "String",
  "documentation" : "The instance type for a dedicated master node."
},
"xmlNameSpaceUri" : null
},
"InstanceCount" : {
  "beanStyleGetterMethodName" : "getInstanceCount",
  "beanStyleSetterMethodName" : "setInstanceCount",
  "c2jName" : "InstanceCount",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "The number of instances in the specified domain cluster."
},
"instanceCount(InstanceCount)" : {
  "deprecated" : false,
  "documentation" : "The number of instances in the specified domain cluster."
},
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "The number of instances in the specified domain cluster.
@return Returns a reference to this object so that method calls can be chained together."
},
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "The number of instances in the specified domain cluster."
};
"returnType" : "Integer",
"documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "InstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceCount",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"marshallType" : "INTEGER",
"name" : "InstanceCount",
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@param instanceCount The number of instances in the specified domain cluster."
"setterMethodName" : "setInstanceCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"setterMethodName" : "setInstanceCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"}
"variableSetterType" : "Integer",
"xmlNameSpaceUri" : null
},
"InstanceType" : {
"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.<br>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.<br>
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #instanceTypeAsString(String)}.<br>
@see #instanceType(String)"
},
"deprecated" : false,
"documentation" : "The instance type for an Elasticsearch cluster.<br>
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #instanceTypeAsString(String)}.<br>
@see #instanceType(String)"
},
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.<br>
The instance type for an Elasticsearch cluster.<br>
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #instanceTypeAsString(String)}.<br>
@see #instanceType(String)"
},
"fluentSetterMethodName" : "instanceType",
"getterDocumentation" : "The instance type for an Elasticsearch cluster.<br>
If the service returns an enum value that is not available in the current SDK version, { @link #instanceType} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #instanceTypeAsString}.<br>
@see ESPartitionInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
@param instanceType The instance type for an Elasticsearch cluster.

@see EPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "instanceType",
"variableType" : "String",
"documentation" : "<p>The instance type for an Elasticsearch cluster.</p>
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ZoneAwarenessEnabled" : {
"beanStyleGetterMethodName" : "getZoneAwarenessEnabled",
"beanStyleSetterMethodName" : "setZoneAwarenessEnabled",
"c2jName" : "ZoneAwarenessEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains-zoneawareness.html" target="_blank">About Zone Awareness</a> for more information.</p>

This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link
Boolean.Builder#build() is called immediately and its result is passed to \{@link
#zoneAwarenessEnabled(Boolean)\}.\n@\param zoneAwarenessEnabled a consumer that will call methods on
\{@link Boolean.Builder\}\n@\return Returns a reference to this object so that method calls can be chained
together.\n@see \#zoneAwarenessEnabled(Boolean),
"deprecated" : false,
"documentation" : "A boolean value to indicate whether zone awareness is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\</p>\",  
"endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "zoneAwarenessEnabled",
"fluentSetterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\</p>\"returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "zoneAwarenessEnabled",
"getterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\</p>\"returns a reference to this object so that method calls can be chained together.\",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ZoneAwarenessEnabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ZoneAwarenessEnabled",
"uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"sensitive" : false,
"setterDocumentation" : "A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.

```
@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information."

"setterMethodName" : "setZoneAwarenessEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "zoneAwarenessEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "zoneAwarenessEnabled",
  "variableType" : "Boolean",
  "documentation" : "A boolean value to indicate whether zone awareness is enabled. See [About Zone Awareness](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) for more information.",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  {"beanStyleGetterMethodName" : "getInstanceTypeAsString",
   "beanStyleSetterMethodName" : "setInstanceType",
   "c2jName" : "InstanceType",
   "c2jShape" : "ESPartitionInstanceType",
   "defaultConsumerFluentSetterDocumentation" : "The instance type for an Elasticsearch cluster."
}]

This is a convenience that creates an instance of the [String.Builder](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) avoiding the need to create one manually via
When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link #instanceTypeAsString(String)`.

- **param instanceType**
  - A consumer that will call methods on `@link String.Builder`.
  - **return**
    - A reference to this object so that method calls can be chained together.

- **@see #instanceType(String)**
  - **deprecated** : false,
  - **documentation** : "The instance type for an Elasticsearch cluster."
  - **endpointDiscoveryId** : false,
  - **enumType** : "ESPartitionInstanceType",
  - **eventHeader** : false,
  - **eventPayload** : false,
  - **fluentEnumGetterMethodName** : "instanceType",
  - **fluentEnumSetterMethodName** : "instanceType",
  - **fluentGetterMethodName** : "instanceTypeAsString",
  - **fluentSetterDocumentation** : "The instance type for an Elasticsearch cluster.
  - **getterDocumentation** : "The instance type for an Elasticsearch cluster.
    - If the service returns an enum value that is not available in the current SDK version, `@link #instanceType` will return `@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `@link #instanceTypeAsString`.
  - **getterModel**
    - **returnType** : "String",
    - **documentation** : null
  - **http**
    - **additionalMarshallingPath** : null,
    - **additionalUnmarshallingPath** : null,
    - **flattened** : false,
    - **greedy** : false,
    - **header** : false,
    - **isPayload** : false,
    - **isStreaming** : false,
    - **location** : null,
    - **marshallLocation** : "PAYLOAD",
    - **marshallLocationName** : "InstanceType",
    - **queryString** : false,
    - **statusCode** : false,
    - **unmarshallLocationName** : "InstanceType",
    - **uri** : false
  - **idempotencyToken** : false,
  - **isBinary** : false,
  - **jsonValue** : false,
  - **list** : false,
  - **listModel** : null,
  - **map** : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>@param instanceType The instance type for an Elasticsearch cluster.
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
} {
  "beanStyleGetterMethodName" : "getInstanceCount",
  "beanStyleSetterMethodName" : "setInstanceCount",
  "c2jName" : "InstanceCount",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>@nThis is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer.Builder#builder()].@nWhen the [@link Integer.Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link InstanceCount(Integer)].@n@param instanceCount a consumer that will call methods on [@link Integer.Builder]@n@return Returns a reference to this object so that method calls can be chained together.@n@see #instanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "<p>The number of instances in the specified domain cluster.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "instanceCount",
  "fluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>@n@param
instanceCount The number of instances in the specified domain cluster.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>

@return The number of instances in the specified domain cluster.

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>

@param instanceCount The number of instances in the specified domain cluster.

"setterMethodName" : "setInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "instanceCount",
    "variableType" : "Integer",
    "documentation" : "The number of instances in the specified domain cluster.,",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
"beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
"c2jName" : "DedicatedMasterEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.\n\nThis is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}\n\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #dedicatedMasterEnabled(Boolean)}\n\n@see #dedicatedMasterEnabled(Boolean)"
,
"deprecated" : false,
"documentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.\n\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterEnabled",
"fluentSetterMethodName" : "dedicatedMasterEnabled",
"fluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.\n\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

```json
"setterDocumentation": 
  "@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

"setterMethodName": 
  "setDedicatedMasterEnabled",
"setterModel": 
  
  "variableDeclarationType": "Boolean",
  "variableName": "dedicatedMasterEnabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
```
A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

This is a convenience that creates an instance of the [@link Boolean.Builder](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) avoiding the need to create one manually via [@link Boolean#builder()](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness).


A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.

This is a convenience that creates an instance of the [@link Boolean.Builder](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness) avoiding the need to create one manually via [@link Boolean#builder()](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness).


A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.
"getterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>

@return A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",

"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ZoneAwarenessEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ZoneAwarenessEnabled",
    "uri" : false
},

"idempotencyToken" : false,

"setterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>

@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",

"setterMethodName" : "setZoneAwarenessEnabled",

"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "zoneAwarenessEnabled",
    "variableType" : "Boolean",
    "documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "zoneAwarenessEnabled",
"variableType" : "Boolean",
"documentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
},
{
"beanStyleGetterMethodName" : "getDedicatedMasterTypeAsString",
"beanStyleSetterMethodName" : "setDedicatedMasterType",
"c2jName" : "DedicatedMasterType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The instance type for a dedicated master node.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link dedicatedMasterTypeAsString(String)}. &lt;p&gt; The instance type for a dedicated master node.&lt;/p&gt;

"deprecated" : false,
"documentation" : "&lt;p&gt;The instance type for a dedicated master node.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "dedicatedMasterType",
"fluentEnumSetterMethodName" : "dedicatedMasterType",
"fluentGetterMethodName" : "dedicatedMasterTypeAsString",
"fluentSetterDocumentation" : "&lt;p&gt;The instance type for a dedicated master node.&lt;/p&gt;

@see ESPartitionInstanceType

@return Returns a reference to this object so that method calls can be chained together.

@see ESPartitionInstanceType",
"fluentSetterMethodName" : "dedicatedMasterType",
"getterDocumentation" : "&lt;p&gt;The instance type for a dedicated master node.&lt;/p&gt;

If the service returns an enum value that is not available in the current SDK version, { @link #getDedicatedMasterType} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #dedicatedMasterTypeAsString}.&lt;/p&gt;

@see ESPartitionInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DedicatedMasterType",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DedicatedMasterType",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DedicatedMasterType",
"setterMethod": "setDedicatedMasterType",
"setterMethodName": "setDedicatedMasterType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "dedicatedMasterType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "dedicatedMasterType",
  "variableType": "String",
  "documentation": "The instance type for a dedicated master node.\n@see ESPartitionInstanceType",
  "simpleType": "String",
  "variableSetterType": "String"
},
"setterDocumentation": "The instance type for a dedicated master node.\n@see ESPartitionInstanceType"
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getDedicatedMasterCount",
  "beanStyleSetterMethodName" : "setDedicatedMasterCount",
  "c2jName" : "DedicatedMasterCount",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the [@link Consumer] completes, {@link Integer.Builder#build()} is called immediately and its result is passed to [@link #dedicatedMasterCount(Integer)].

@see #dedicatedMasterCount(Integer)",
  "deprecated" : false,
  "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "dedicatedMasterCount",
  "fluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.
@return Returns a reference to this object so that method calls can be chained together.
</p>
  "fluentSetterMethodName" : "dedicatedMasterCount",
  "getterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@return Total number of dedicated master nodes, active and on standby, for the cluster.

@see #dedicatedMasterCount(Integer)",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DedicatedMasterCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DedicatedMasterCount",
    "uri" : false
  },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
"sensitive" : false,
"setterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.";

"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "Total number of dedicated master nodes, active and on standby, for the cluster."
},
"xmlNameSpaceUri" : null
} ];
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ElasticsearchClusterConfig",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
"simpleType" : "ElasticsearchClusterConfig",
"variableSetterType" : "ElasticsearchClusterConfig"
},
"wrapper" : false
},
"ElasticsearchClusterConfigStatus" : {
"c2jName" : "ElasticsearchClusterConfigStatus",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p> Specifies the configuration status for the specified Elasticsearch domain.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : {
 "beanStyleGetterMethodName" : "getOptions",
 "beanStyleSetterMethodName" : "setOptions",
 "c2jName" : "Options",
 "c2jShape" : "ElasticsearchClusterConfig",
 "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig.Builder#builder()}.

When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link #options(ElasticsearchClusterConfig)}.

@see #options(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch
domain.</p>
@param options Specifies the cluster configuration for the specified Elasticsearch
domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch
domain.</p>
@return Specifies the cluster configuration for the specified Elasticsearch domain.",
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch
domain.</p>
@param options Specifies the cluster configuration for the specified Elasticsearch
domain.
@return Specifies the cluster configuration for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
"documentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>

When the {@link OptionStatus.Builder} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. When a consumer that will call methods on {@link OptionStatus.Builder} param status a consumer that will call methods on {@link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",
"deprecated": false,
"documentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
@endpayout@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)"};
"http": {"additionalMarshallingPath": null,"additionalUnmarshallingPath": null,"flattened": false,"greedy": false,}
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.\</p>\n@param status Specifies the status of the configuration for the specified Elasticsearch domain.\",
"setterMethodName" : "setStatus",
"setterModel" : {
 "variableDeclarationType" : "OptionStatus",
 "variableName" : "status",
 "variableType" : "OptionStatus",
 "documentation" : null,
 "simpleType" : "OptionStatus",
 "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "OptionStatus",
 "variableName" : "status",
 "variableType" : "OptionStatus",
 "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.\</p>\n", "simpleType" : "OptionStatus",
 "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}] },
"membersAsMap" : {
 "Options" : {
 "beanStyleGetterMethodName" : "getOptions",
 "beanStyleSetterMethodName" : "setOptions",
}
"c2jName" : "Options",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. This is a convenience that creates an instance of the ElasticsearchClusterConfig.Builder avoiding the need to create one manually via ElasticsearchClusterConfig.Builder#builder(). When the Consumer completes, ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to ElasticsearchClusterConfig.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n</p>"",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n@<p>
@see #options(ElasticsearchClusterConfig)\n</param> options a consumer that will call methods on ElasticsearchClusterConfig.Builder\n@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n</param>\n@return Specifies the cluster configuration for the specified Elasticsearch domain."
,"getterModel" : {
       "returnType" : "ElasticsearchClusterConfig",
       "documentation" : null
    },
"http" : {
       "additionalMarshallingPath" : null,
       "additionalUnmarshallingPath" : null,
       "flattened" : false,
       "greedy" : false,
       "header" : false,
       "isPayload" : false,
       "isStreaming" : false,
       "location" : null,
       "marshallLocation" : "PAYLOAD",
       "marshallLocationName" : "Options",
       "queryString" : false,
       "statusCode" : false,
       "unmarshallLocationName" : "Options",
       "uri" : false
    },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "\<p\> Specifies the cluster configuration for the specified Elasticsearch domain.\</p\>\n@\param\ options Specifies the cluster configuration for the specified Elasticsearch domain.\",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "\p\> Specifies the cluster configuration for the specified Elasticsearch domain.\</p\>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "\p\> Specifies the status of the configuration for the specified Elasticsearch domain.\</p\>\nThis is a convenience that creates an instance of the \{@link OptionStatus.Builder\} avoiding the need to create one manually via \{@link OptionStatus#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link OptionStatus.Builder#build()\} is called immediately and its result is passed to \{@link #status(OptionStatus)\}.\n\n@\param\ status a consumer that will call methods on \{@link OptionStatus.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #status(OptionStatus)\",
  "deprecated" : false,
  "documentation" : "\p\> Specifies the status of the configuration for the specified Elasticsearch domain.\</p\>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
@param status Specifies the status of the configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

@getter Documentation: &lt;p&gt; Specifies the status of the configuration for the specified Elasticsearch domain.&lt;/p&gt;
@return Specifies the status of the configuration for the specified Elasticsearch domain.

 getterModel: {
   returnType: "OptionStatus",
   documentation: null
 },

http: {
   additionalMarshallingPath: null,
   additionalUnmarshallingPath: null,
   flattened: false,
   greedy: false,
   header: false,
   isPayload: false,
   isStreaming: false,
   location: null,
   marshallLocation: "PAYLOAD",
   marshallLocationName: "Status",
   queryString: false,
   statusCode: false,
   unmarshallLocationName: "Status",
   uri: false
 },

idempotencyToken: false,
isBinary: false,
jsonValue: false,
list: false,
listModel: null,
map: false,
mapModel: null,
marshallingType: "SDK_POJO",
name: "Status",
sensitive: false,
setterDocumentation: "&lt;p&gt; Specifies the status of the configuration for the specified Elasticsearch domain.&lt;/p&gt;
@param status Specifies the status of the configuration for the specified Elasticsearch domain.

setterModel: {
   variableDeclarationType: "OptionStatus",
   variableName: "status",
   variableType: "OptionStatus",
   documentation: null,
   simpleType: "OptionStatus",
   //...
}
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "ElasticsearchClusterConfig",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>\n@see #options(ElasticsearchClusterConfig)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>\n@see #options(ElasticsearchClusterConfig)",
  "http" : {
  "documentation" : null
  }
}];
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
{idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"simple" : false,
"setterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>param options Specifies the cluster configuration for the specified Elasticsearch domain."
,"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\</p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link OptionStatus#status(OptionStatus)}.${@return
Returns a reference to this object so that method calls can be chained together}.${@see #status(OptionStatus)}",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the configuration for the specified Elastic search domain. </p>
@param status a consumer that will call methods on { @link OptionStatus.Builder}
@return Returns a reference to this object so that method calls can be chained together.$",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
@param status Specifies the status of the configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.$",
"getterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
@return Specifies the status of the configuration for the specified Elasticsearch domain.$",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>\n@param status Specifies the status of the configuration for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlnsSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "ElasticsearchClusterConfigStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfigStatus",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
}.
"wrapper" : false
},
"ElasticsearchDomainConfig" : {
  "c2jName" : "ElasticsearchDomainConfig",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The configuration of an Elasticsearch domain."
},
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  { "beanStyleGetterMethodName" : "getElasticsearchVersion",
    "beanStyleSetterMethodName" : "setElasticsearchVersion",
    "c2jName" : "ElasticsearchVersion",
    "c2jShape" : "ElasticsearchVersionStatus",
    "defaultConsumerFluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
This is a convenience that creates an instance of the @link ElasticsearchVersionStatus.Builder avoiding the need to create one manually via @link ElasticsearchVersionStatus#builder().
When the @link Consumer completes, @link ElasticsearchVersionStatus.Builder#build() is called immediately and its result is passed to @link ElasticsearchVersionStatus#builder().
@see #elasticsearchVersion(ElasticsearchVersionStatus)"
  }
],
"documentation" : "String of format X.Y to specify version for the Elasticsearch domain."
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
    "fluentSetterMethodName" : "elasticsearchVersion",
    "getterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
    @return String of format X.Y to specify version for the Elasticsearch domain.
    "getterModel" : {
        "returnType" : "ElasticsearchVersionStatus",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "ElasticsearchVersion",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "ElasticsearchVersion",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "JsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "SDK_POJO",
    "name" : "ElasticsearchVersion",
    "sensitive" : false,
    "setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
    @param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.
    "setterMethodName" : "setElasticsearchVersion",
    "setterModel" : {
        "variableDeclarationType" : "ElasticsearchVersionStatus",
        "variableName" : "elasticsearchVersion",
        "variableType" : "ElasticsearchVersionStatus",
        "documentation" : null,
        "simpleType" : "ElasticsearchVersionStatus",
        "variableSetterType" : "ElasticsearchVersionStatus"
    },
    "simple" : false,
    "timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersion",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : "String of format X.Y to specify version for the Elasticsearch domain.",
  "simpleType" : "ElasticsearchVersionStatus",
  "variableSetterType" : "ElasticsearchVersionStatus"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfigStatus",
"defaultConsumerFluentSetterDocumentation" : "Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain. This is a convenience that creates an instance of the { @link ElasticsearchClusterConfigStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfigStatus#builder()}.

When the { @link Consumer} completes, { @link ElasticsearchClusterConfigStatus.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)}.

@see ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)",
"deprecated" : false,
"documentation" : "Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.",
"getterDocumentation" : "Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.",
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
"simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
}
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. This is a convenience that creates an instance of the {@link EBSOptionsStatus.Builder} avoiding the need to create one manually via {@link EBSOptionsStatus#builder()}. When the Consumer completes, {@link EBSOptionsStatus.Builder#build()} is called immediately and its result is passed to the consumer a consumer that will call methods on the EBSOptionsStatus.Builder. @return Returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"getterModel" : {
"returnType" : "EBSOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"setterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
    "variableDeclarationType" : "EBSOptionsStatus",
    "variableName" : "ebsOptions",
    "variableType" : "EBSOptionsStatus",
    "documentation" : null,
    "simpleType" : "EBSOptionsStatus",
    "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "EBSOptionsStatus",
    "variableName" : "ebsOptions",
    "variableType" : "EBSOptionsStatus",
    "documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>"
},
"xmlNamespaceUri" : null,
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "AccessPoliciesStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the { @link AccessPoliciesStatus.Builder} avoiding the need to create one manually via { @link AccessPoliciesStatus#builder}().\nWhen the { @link Consumer} completes, { @link AccessPoliciesStatus.Builder#build}() is called immediately and its result is passed to { @link AccessPolicies(AccessPoliciesStatus)}.\n@param accessPolicies a consumer that will call methods on { @link AccessPoliciesStatus.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #accessPolicies(AccessPoliciesStatus)",
"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>"
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "accessPolicies",
"fluentSetterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "accessPolicies",
"getterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel": {
  "returnType": "AccessPoliciesStatus",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AccessPolicies",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AccessPolicies",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "AccessPolicies",
"sensitive": false,
"setterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return IAM access policy as a JSON-formatted string.",
"setterMethodName": "setAccessPolicies",
"setterModel": {
  "variableDeclarationType": "AccessPoliciesStatus",
  "variableName": "accessPolicies",
  "variableType": "AccessPoliciesStatus",
  "documentation": null,
  "simpleType": "AccessPoliciesStatus",
  "variableSetterType": "AccessPoliciesStatus"}
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "AccessPoliciesStatus",
  "variableName": "accessPolicies",
  "variableType": "AccessPoliciesStatus",
  "documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
  "simpleType": "AccessPoliciesStatus",
  "variableSetterType": "AccessPoliciesStatus"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getSnapshotOptions",
"beanStyleSetterMethodName": "setSnapshotOptions",
"c2jName": "SnapshotOptions",
"c2jShape": "SnapshotOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link SnapshotOptionsStatus.Builder} avoiding the need to create one manually via { @link SnapshotOptionsStatus#builder()}. When the { @link Consumer} completes, { @link SnapshotOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link SnapshotOptionsStatus(SnapshotOptionsStatus)}@param snapshotOptions a consumer that will call methods on { @link SnapshotOptionsStatus.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #snapshotOptions(SnapshotOptionsStatus)",
  "deprecated": false,
  "documentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
  "enumDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "snapshotOptions",
  "fluentSetterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
  "fluentSetterMethodName": "snapshotOptions",
  "getterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
  "getterModel": {
    "returnType": "SnapshotOptionsStatus",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"setterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptionsStatus",
  "documentation" : null,
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptionsStatus",
  "documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getVpcOptions",
  "beanStyleSetterMethodName" : "setVpcOptions",
}
"c2jName" : "VPCOptions",
"c2jShape" : "VPCDerivedInfoStatus",
"defaultConsumerFluentSetterDocumentation" : "\p\nThe \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\nThis is a convenience that creates an instance of the \{ @link VPCDerivedInfoStatus.Builder \} avoiding the need to create one manually via \{ @link VPCDerivedInfoStatus#builder() \}. \n\nWhen the \{ @link Consumer \} completes, \{ @link VPCDerivedInfoStatus.Builder#build() \} is called immediately and its result is passed to \{ @link VPCOptions(VPCDerivedInfoStatus) \}. \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #vpcOptions(VPCDerivedInfoStatus)",
"deprecated" : false,
"documentation" : "\p\nThe \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@param vpcOptions The \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #vpcOptions(VPCDerivedInfoStatus)",

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "\p\nThe \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@see #vpcOptions(VPCDerivedInfoStatus)",

"getterDocumentation" : "\p\nThe \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@return The \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@see #vpcOptions(VPCDerivedInfoStatus)",

"getterModel" : {
  "returnType" : "VPCDerivedInfoStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.&lt;/p&gt;\n\n@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.&lt;\/p&gt;",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : "&lt;p&gt;The &lt;code&gt;VPCOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.&lt;/p&gt;\n\n@param vpcOptions The &lt;code&gt;VPCOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/a&gt;.&lt;\/p&gt;",
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<br>
This is a convenience that creates an instance of the { @link CognitoOptionsStatus.Builder} avoiding the need to create one manually via { @link CognitoOptionsStatus.Builder#builder()}. When the { @link Consumer} completes, { @link CognitoOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link CognitoOptions(CognitoOptionsStatus)}.<br>
@<br>
@param cognitoOptions a consumer that will call methods on { @link CognitoOptionsStatus.Builder}.<br>
@returns Returns a reference to this object so that method calls can be chained together.<br>
@see #cognitoOptions(CognitoOptionsStatus)",
"deprecated" : false,
<endp>»,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<br>
@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<br>
@return Returns a reference to this object so that method calls can be chained together.<br>
@see #cognitoOptions(CognitoOptionsStatus)",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<br>
@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"getterModel" : {
 "returnType" : "CognitoOptionsStatus",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. @param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : null,
  "simpleType" : "CognitoOptionsStatus",
  "variableSetterType" : "CognitoOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
  "simpleType" : "CognitoOptionsStatus",
  "variableSetterType" : "CognitoOptionsStatus"
},
"xmlnsSpaceUri" : null
}
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
This is a convenience that creates an instance of the <code>EncryptionAtRestOptionsStatus.Builder</code> avoiding the need to create one manually via <code>EncryptionAtRestOptionsStatus#builder()</code>. When the <code>Consumer</code> completes, <code>EncryptionAtRestOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>encryptionAtRestOptions(EncryptionAtRestOptionsStatus)</code>. Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.",
"getterModel" : {
"returnType" : "EncryptionAtRestOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
}.
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptionsStatus",
  "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
"variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
\nThis is a convenience that creates an instance of the [ @link NodeToNodeEncryptionOptionsStatus.Builder] avoiding the need to create one manually via [ @link NodeToNodeEncryptionOptionsStatus.Builder#builder()].\n\nWhen the [ @link Consumer] completes, [ @link NodeToNodeEncryptionOptionsStatus.Builder#build()] is called immediately and its result is passed to [ @link #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)]\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)"
"deprecated" : false,
"documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.
"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain."

"setterMethodName": "setNodeToNodeEncryptionOptions",

"setterModel": {
    "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptionsStatus",
    "documentation": null,
    "simpleType": "NodeToNodeEncryptionOptionsStatus",
    "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
},

"simple": false,

"timestampFormat": null,

"variable": {
    "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptionsStatus",
    "documentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
"simpleType": "NodeToNodeEncryptionOptionsStatus",
    "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
},

"xmlNameSpaceUri": null

"beanStyleGetterMethodName": "getAdvancedOptions",

"beanStyleSetterMethodName": "setAdvancedOptions",

"c2jName": "AdvancedOptions",

"c2jShape": "AdvancedOptionsStatus",


This is a convenience that creates an instance of the { @link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via { @link AdvancedOptionsStatus#builder()}. When the { @link Consumer} completes, { @link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link AdvancedOptions(AdvancedOptionsStatus)}. Returns a reference to this object so that method calls can be chained together.

"deprecated": false,


"endpointDiscoveryId": false,

"enumType": null,

"eventHeader": false,

"eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.",
@return Specifies the <code>AdvancedOptions</code> for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.",
"getterModel" : {
  "returnType" : "AdvancedOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : 

@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : null,
  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",

"variableSetterType" : "AdvancedOptionsStatus"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getLogPublishingOptions",
  "beanStyleSetterMethodName" : "setLogPublishingOptions",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptionsStatus",
  "defaultConsumerFluentSetterDocumentation" : "Log publishing options for the given domain. This is a convenience that creates an instance of the {@link LogPublishingOptionsStatus.Builder} avoiding the need to create one manually via {@link LogPublishingOptionsStatus#builder()}. When the {@link Consumer} completes, {@link LogPublishingOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link LogPublishingOptionsOptions#logPublishingOptions(LogPublishingOptionsOptionsStatus)}@param logPublishingOptions a consumer that will call methods on {@link LogPublishingOptionsStatus.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #logPublishingOptions(LogPublishingOptionsStatus)"
,  "deprecated" : false,
  "documentation" : "Log publishing options for the given domain."
,  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "xmlNameSpaceUri" : null
}
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "logPublishingOptions",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>@param logPublishingOptions Log publishing options for the given domain.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "logPublishingOptions",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>@return Log publishing options for the given domain.",
"getterModel" : {
@returnType" : "LogPublishingOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>@param logPublishingOptions Log publishing options for the given domain.",
"setterMethodName" : "setLogPublishingOptions",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOptionsStatus",
"variableName" : "logPublishingOptions",
"variableType" : "LogPublishingOptionsStatus",
"documentation" : null,
"simpleType" : "LogPublishingOptionsStatus",}
"variableSetterType" : "LogPublishingOptionsStatus",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : "<p>Log publishing options for the given domain.</p>",
  "simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus",
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "AccessPolicies" : {
    "beanStyleGetterMethodName" : "getAccessPolicies",
    "beanStyleSetterMethodName" : "setAccessPolicies",
    "c2jName" : "AccessPolicies",
    "c2jShape" : "AccessPoliciesStatus",
    "defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
    "deprecated" : false,
    "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "accessPolicies",
    "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
    "http" : {
      "additionalMarshallingPath" : null,
      "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
      "getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
      "getterModel" : {
        "returnType" : "AccessPoliciesStatus",
        "documentation" : null
      },
      "http" : {
        "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
"variableDeclarationType" : "AccessPoliciesStatus",
"variableName" : "accessPolicies",
"variableType" : "AccessPoliciesStatus",
"documentation" : null,
"simpleType" : "AccessPoliciesStatus",
"variableSetterType" : "AccessPoliciesStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "AccessPoliciesStatus",
"variableName" : "accessPolicies",
"variableType" : "AccessPoliciesStatus",
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "AccessPoliciesStatus",
"variableSetterType" : "AccessPoliciesStatus"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the \code{AdvancedOptions} for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.</p><p>This is a convenience that creates an instance of the \link AdvancedOptionsStatus.Builder avoiding the need to create one manually via \link AdvancedOptionsStatus#builder(). When the \link Consumer completes, \link AdvancedOptionsStatus.Builder#build() is called immediately and its result is passed to \link AdvancedOptions(AdvancedOptionsStatus) a consumer that will call methods on \link AdvancedOptionsStatus.Builder\return Returns a reference to this object so that method calls can be chained together.\see AdvancedOptions(AdvancedOptionsStatus)."</p>,
"deprecated" : false,
"documentation" : "<p>Specifies the \code{AdvancedOptions} for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.</p>
@param advancedOptions a consumer that will call methods on \link AdvancedOptionsStatus.Builder\return Returns a reference to this object so that method calls can be chained together.\see AdvancedOptions(AdvancedOptionsStatus)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Specifies the \code{AdvancedOptions} for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.</p>
@return Specifies the \code{AdvancedOptions} for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.",
"getterDocumentation" : "<p>Specifies the \code{AdvancedOptions} for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.</p>
@return Specifies the \code{AdvancedOptions} for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.",
"getterModel" : {
    "returnType" : "AdvancedOptionsStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AdvancedOptions",

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : null,
  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
information.

"simpleType": "AdvancedOptionsStatus",
"variableSetterType": "AdvancedOptionsStatus"
},
"xmlNameSpaceUri": null
},
"CognitoOptions": {
"beanStyleGetterMethodName": "getCognitoOptions",
"beanStyleSetterMethodName": "setCognitoOptions",
"c2jName": "CognitoOptions",
"c2jShape": "CognitoOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>

This is a convenience that creates an instance of the {@link CognitoOptionsStatus.Builder} avoiding the need to create one manually via {@link CognitoOptionsStatus#builder()}. When the {@link Consumer} completes, it is called immediately and its result is passed to the method that will call methods on the consumer that call methods on the builder.

When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that will call methods on the builder.

@see #cognitoOptions(CognitoOptionsStatus)",
"deprecated": false,
"documentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>

This is a convenience that creates an instance of the {@link CognitoOptionsStatus.Builder} avoiding the need to create one manually via {@link CognitoOptionsStatus#builder()}. When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that call methods on the builder.

When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that will call methods on the builder.

@see #cognitoOptions(CognitoOptionsStatus)",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a><p>

This is a convenience that creates an instance of the {@link CognitoOptionsStatus.Builder} avoiding the need to create one manually via {@link CognitoOptionsStatus#builder()}. When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that will call methods on the builder.

When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that will call methods on the builder.

@see #cognitoOptions(CognitoOptionsStatus)",
"getterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>

This is a convenience that creates an instance of the {@link CognitoOptionsStatus.Builder} avoiding the need to create one manually via {@link CognitoOptionsStatus#builder()}. When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that will call methods on the builder.

When the Consumer completes, it is called immediately and its result is passed to the method that will call methods on the consumer that will call methods on the builder.

@see #cognitoOptions(CognitoOptionsStatus)",
"getterModel": {
"returnType": "CognitoOptionsStatus",
"documentation": null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "CognitoOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "CognitoOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
"sensitive": false,
"setterDocumentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName": "setCognitoOptions",
"setterModel": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": null,
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus"}
"documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>

"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. This is a convenience that creates an instance of the {@link EBSOptionsStatus.Builder} avoiding the need to create one manually via {@link EBSOptionsStatus.Builder#builder()}. When the {@link Consumer} completes, {link EBSOptionsStatus.Builder#build() is called immediately and its result is passed to {link EBSOptionsStatus.Builder#build()} and passed to a consumer that will call methods on {link EBSOptionsStatus.Builder#build()}. Returns a reference to this object so that method calls can be chained together.</p>

@return Returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptionsStatus)
", "deprecated" : false,
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>

@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptionsStatus)
", "getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>

@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
@link #ebsOptions(EBSOptionsStatus)
", "getterModel" : {
"returnType" : "EBSOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"componentName" : null
}
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain."

"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig",
  "c2jShape" : "ElasticsearchClusterConfigStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p><p>This is a convenience that creates an instance of the {<link ElasticsearchClusterConfigStatus.Builder> avoiding the need to create one manually via </link>

ElasticsearchClusterConfigStatus#builder()

When the {@link Consumer} completes, {@link ElasticsearchClusterConfigStatus.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)}.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)

"deprecated" : false,
"documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
@return Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)";

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"listModel" : null,
"listModel" : null,
"listModel" : null,

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
"simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchVersion" : {
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\nThis is a convenience that creates an instance of the {@link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via \{@link ElasticsearchVersionStatus#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link ElasticsearchVersionStatus.Builder#build()\} is called immediately and its result is passed to \{@link #elasticsearchVersion(ElasticsearchVersionStatus)\}.\n@param elasticsearchVersion a consumer that will call methods on \{@link ElasticsearchVersionStatus.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(ElasticsearchVersionStatus)"
  "deprecated" : false,
  "documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.\n</p>"},
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "\n<p>String of format X.Y to specify version for the Elasticsearch domain.</p>\n@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n\n"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "\n<p>String of format X.Y to specify version for the Elasticsearch domain.</p>\n@return String of format X.Y to specify version for the Elasticsearch domain.\n\n"getterModel" : {
    "returnType" : "ElasticsearchVersionStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchVersion",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "\n<p>String of format X.Y to specify version for the Elasticsearch domain.</p>\n@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.\n\n"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchVersionStatus",
    "variableName" : "elasticsearchVersion",
    "variableType" : "ElasticsearchVersionStatus",
    "documentation" : null,
"simpleType" : "ElasticsearchVersionStatus",
"variableSetterType" : "ElasticsearchVersionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchVersionStatus",
"variableName" : "elasticsearchVersion",
"variableType" : "ElasticsearchVersionStatus",
"documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
"simpleType" : "ElasticsearchVersionStatus",
"variableSetterType" : "ElasticsearchVersionStatus",

"EncryptionAtRestOptions" : {
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code>
for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the {
@link
EncryptionAtRestOptionsStatus.Builder} avoiding the need to create one manually via {
@link
EncryptionAtRestOptionsStatus#builder()}\n\nWhen the {
@link Consumer} completes, {
@link
EncryptionAtRestOptionsStatus.Builder#build()} is called immediately and its result is passed to {
@link
#encryptionAtRestOptions(EncryptionAtRestOptionsStatus)}\n\n@param encryptionAtRestOptions a consumer that
will call methods on {
@link
EncryptionAtRestOptionsStatus.Builder}\n\n@return Returns a reference to this object
so that method calls can be chained together.\n\n@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the
Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the
Elasticsearch domain.</p>

@returns a reference to this object
so that method calls can be chained together."

@returns Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.

@returns Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.

@returns Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.

@returns Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.

@returns Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.

"returnType" : "EncryptionAtRestOptionsStatus",
"documentation" : null
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"sensitive" : false,
"setterDocumentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@<p>@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>\n@<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@<p>@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@<p>"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptionsStatus",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptionsStatus",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptionsStatus",
"variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptionsStatus",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptionsStatus",
"documentation" : "Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@<p>
"simpleType" : "EncryptionAtRestOptionsStatus",}
"variableSetterType" : "EncryptionAtRestOptionsStatus",
},
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
"beanStyleGetterMethodName" : "getLogPublishingOptions",
"beanStyleSetterMethodName" : "setLogPublishingOptions",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
This is a convenience that creates an instance of the \{@link LogPublishingOptionsStatus.Builder\} avoiding the need to create one manually via \{@link LogPublishingOptionsStatus#builder()\}. When the \{@link Consumer\} completes, \{@link LogPublishingOptionsStatus.Builder#build()\} is called immediately and its result is passed to \{@link LogPublishingOptions(LogPublishingOptionsStatus)\}. \param logPublishingOptions a consumer that will call methods on \{@link LogPublishingOptionsStatus.Builder\} \return Returns a reference to this object so that method calls can be chained together. \see #logPublishingOptions(LogPublishingOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "logPublishingOptions",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "logPublishingOptions",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>
@return Log publishing options for the given domain.",
"getterModel" : {
"returnType" : "LogPublishingOptionsStatus",
"documentation" : null
}
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param
logPublishingOptions Log publishing options for the given domain."

"setterMethodName" : "setLogPublishingOptions",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : null,
  "simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : "<p>Log publishing options for the given domain.</p>
"simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"NodeToNodeEncryptionOptions" : {
  "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
  "c2jName" : "NodeToNodeEncryptionOptions",
  "c2jShape" : "NodeToNodeEncryptionOptionsStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the
<code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptionsStatus.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptionsStatus.Builder#builder()}. When the {@link Consumer} completes, {@link NodeToNodeEncryptionOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)}

@param
nodeToNodeEncryptionOptions a consumer that will call methods on
@link
NodeToNodeEncryptionOptionsStatus.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
  "fluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
  @param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
  @return Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.\n@return Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
  "getterModel" : {
    "returnType" : "NodeToNodeEncryptionOptionsStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NodeToNodeEncryptionOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.

"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link SnapshotOptionsStatus.Builder} avoiding the need to create one manually via {@link SnapshotOptionsStatus#builder()}. When the {@link Consumer} completes, {@link SnapshotOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link #snapshotOptions(SnapshotOptionsStatus)}.

@param snapshotOptions a consumer that will call methods on {@link SnapshotOptionsStatus.Builder} that return a reference to this object so that method calls can be chained together.
@see #snapshotOptions(SnapshotOptionsStatus)
"deprecated" : false,
"documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
",
"getterModel" : {
  "returnType" : "SnapshotOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"simpleType" : false,
"setterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
VPC Endpoints for Amazon Elasticsearch Service Domains

@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

.setterModel" : { 
  "returnType" : "VPCDerivedInfoStatus",
  "documentation" : null
 },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "VPCOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "VPCOptions",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "VPCOptions",
  "sensitive" : false,
  "setterDocumentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

.setterMethodName" : "setVpcOptions",
  "setterModel" : { 
    "variableDeclarationType" : "VPCDerivedInfoStatus",
    "variableName" : "vpcOptions",
    "variableType" : "VPCDerivedInfoStatus",
    "documentation" : null,
    "simpleType" : "VPCDerivedInfoStatus",
    "variableSetterType" : "VPCDerivedInfoStatus"
The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchVersion",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ElasticsearchVersion",
"sensitive": false,
"setterDocumentation": "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.",
"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "ElasticsearchVersionStatus",
  "variableName": "elasticsearchVersion",
  "variableType": "ElasticsearchVersionStatus",
  "documentation": null,
  "simpleType": "ElasticsearchVersionStatus",
  "variableSetterType": "ElasticsearchVersionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ElasticsearchVersionStatus",
  "variableName": "elasticsearchVersion",
  "variableType": "ElasticsearchVersionStatus",
  "documentation": "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>",
  "simpleType": "ElasticsearchVersionStatus",
  "variableSetterType": "ElasticsearchVersionStatus"
},
"xmlNameSpaceUri": null
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfigStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.

This is a convenience that creates an instance of the <code>ElasticsearchClusterConfigStatus.Builder</code> avoiding the need to create one manually via <code>ElasticsearchClusterConfigStatus#builder()</code>. When the <code>Consumer</code> completes, <code>ElasticsearchClusterConfigStatus.Builder#build()</code> is called immediately and its result is passed to a consumer that will call methods on <code>ElasticsearchClusterConfigStatus.Builder.Builder</code>.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>

@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)

@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)

@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)

@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)

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@see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)

@see #elasticsearchClusterConfig(Elasticshar...
"unmarshallLocationName": "ElasticsearchClusterConfig",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ElasticsearchClusterConfig",
"sensitive": false,
"setterDocumentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch
domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the
Elasticsearch domain."
,"setterMethodName": "setElasticsearchClusterConfig",
"setterModel": {
"variableDeclarationType": "ElasticsearchClusterConfigStatus",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfigStatus",
"documentation": null,
"simpleType": "ElasticsearchClusterConfigStatus",
"variableSetterType": "ElasticsearchClusterConfigStatus"
}
,"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "ElasticsearchClusterConfigStatus",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfigStatus",
"documentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch
domain.</p>
"simpleType": "ElasticsearchClusterConfigStatus",
"variableSetterType": "ElasticsearchClusterConfigStatus"
}
,"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getEbsOptions",
"beanStyleSetterMethodName": "setEbsOptions",
"c2jName": "EBSOptions",
"c2jShape": "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>EBSOptions</code></p> for the
Elasticsearch domain.<p>This is a convenience that creates an instance of the { @link EBSOptionsStatus.Builder} avoiding the need to create one manually via { @link EBSOptionsStatus.Builder#builder()}. When the { @link Consumer} completes, { @link EBSOptionsStatus.Builder#build()} is called immediately and its result is passed to
{ @link #ebsOptions(EBSOptionsStatus)}.<br>@param ebsOptions a consumer that will call methods on { @link EBSOptionsStatus.Builder}<br>@return Returns a reference to this object so that method calls can be chained
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"getterModel" : {
  "returnType" : "EBSOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
@see #ebsOptions(EBSOptionsStatus)"
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "AccessPoliciesStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the {AccessPoliciesStatus.Builder} avoiding the need to create one manually via {AccessPoliciesStatus.Builder#builder()}. When the {Consumer} completes, {AccessPoliciesStatus.Builder#build()} is called immediately and its result is passed to {AccessPoliciesStatus#accessPolicies(AccessPoliciesStatus)}. When @param accessPolicies a consumer that will call methods on {AccessPoliciesStatus.Builder}@return Returns a reference to this object so that method calls can be chained together. @see #accessPolicies(AccessPoliciesStatus)",
  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "accessPolicies",
  "getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
  "getterModel" : {

"returnType": "AccessPoliciesStatus",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AccessPolicies",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AccessPolicies",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "AccessPolicies",
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "AccessPoliciesStatus",
  "variableName": "accessPolicies",
  "variableType": "AccessPoliciesStatus",
  "documentation": null,
  "simpleType": "AccessPoliciesStatus",
  "variableSetterType": "AccessPoliciesStatus"
},
"setterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
"setterMethodName": "setAccessPolicies",
"setterModel": {
  "variableDeclarationType": "AccessPoliciesStatus",
  "variableName": "accessPolicies",
  "variableType": "AccessPoliciesStatus",
  "documentation": null,
  "simpleType": "AccessPoliciesStatus",
  "variableSetterType": "AccessPoliciesStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "AccessPoliciesStatus",
  "variableName": "accessPolicies",
  "variableType": "AccessPoliciesStatus",
  "documentation": "<p>IAM access policy as a JSON-formatted string.</p>
  
  @param accessPolicies IAM access policy as a JSON-formatted string.
}"
"variableSetterType" : "AccessPoliciesStatus"
],
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "\n<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link
SnapshotOptionsStatus.Builder} avoiding the need to create one manually via { @link
SnapshotOptionsStatus#builder()}.\nWhen the { @link Consumer} completes, { @link
SnapshotOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link
#snapshotOptions(SnapshotOptionsStatus)}.\n@param snapshotOptions a consumer that will call methods on { @link SnapshotOptionsStatus.Builder}\n@return Returns a reference to this object so that method calls can be
chained together.\n@see #snapshotOptions(SnapshotOptionsStatus)",
"deprecated" : false,
"documentation" : "\n<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "\n<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch
domain.\n@return Specifies the <code>SnapshotOptions</code> for the Elasticsearch
domain.\n@return Returns a reference to this object so that method calls can be
chained together.\n",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "\n<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch
domain.</p>
@method snapshotOptions\n@see #snapshotOptions(SnapshotOptionsStatus)",
"getterModel" : {
"returnType" : "SnapshotOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"-sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptionsStatus",
  "documentation" : null,
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptionsStatus",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptionsStatus",
  "documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
  "simpleType" : "SnapshotOptionsStatus",
  "variableSetterType" : "SnapshotOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCDerivedInfoStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>\nThis is a convenience that creates an instance of the [VPCDerivedInfoStatus.Builder] avoiding the need to create one manually via [VPCDerivedInfoStatus#builder()]. When the [Consumer] completes, [VPCDerivedInfoStatus.Builder#build()] is called immediately and its result is passed to [VpcOptions(VPCDerivedInfoStatus)]. @param vpcOptions a consumer that will call methods on [VPCDerivedInfoStatus.Builder#build()] which will return a VPCDerivedInfoStatus.
VPCDerivedInfoStatus.Builder\u003d null;
@return Returns a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCDerivedInfoStatus)
}
//deprecated": false,
//"documentation": ": The \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon ElasticSearch Service Domains</a>.\</p>",
//"endpointDiscoveryId": false,
//"enumType": null,
//"eventHeader": false,
//"eventPayload": false,
//"fluentEnumGetterMethodName": null,
//"fluentEnumSetterMethodName": null,
//"fluentGetterMethodName": "vpcOptions",
//"fluentSetterDocumentation": ": The \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon ElasticSearch Service Domains</a>.\</p>",
//"getterDocumentation": ": The \<code\>VPCOptions\</code\> for the specified domain. For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon ElasticSearch Service Domains</a>.\</p>",
//"getterModel": {
//"returnType": "VPCDerivedInfoStatus",
//"documentation": null
},
//"http": {
//"additionalMarshallingPath": null,
//"additionalUnmarshallingPath": null,
//"flattened": false,
//"greedy": false,
//"header": false,
//"isPayload": false,
//"isStreaming": false,
//"location": null,
//"marshallLocation": "PAYLOAD",
//"marshallLocationName": "VPCOptions",
//"queryString": false,
//"statusCode": false,
//"unmarshallLocationName": "VPCOptions",
//"url": false
},
//"idempotencyToken": false,
The `<code>VPCOptions</code>` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html) for Amazon Elasticsearch Service Domains.

```java
public class VPCOptions {
    // getters and setters
}
```

The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) for Amazon Elasticsearch Service Domains.

```java
public class CognitoOptions {
    // getters and setters
}
```
to { @link cognitoOptions(CognitoOptionsStatus)\n@para cognitoOptions a consumer that will call methods on 
{ @link CognitoOptionsStatus.Builder\n@para return Returns a reference to this object so that method calls can be 
chained together.\n@see cognitoOptions(CognitoOptionsStatus)\n}

  "deprecated" : false,
  "documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see 
target="_blank">Amazon Cognito Authentication for Kibana</a>. </p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "cognitoOptions",
  "fluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more 
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-
auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. </p>
  "getterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more 
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-
auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. </p>
  "getterModel" : {
    "returnType" : "CognitoOptionsStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "CognitoOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "CognitoOptions",
    "uri" : false
  },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
"variableDeclarationType" : "CognitoOptionsStatus",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptionsStatus",
"documentation" : null,
"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptionsStatus",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptionsStatus",
"documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptionsStatus",

This is a convenience that creates an instance of the [@link EncryptionAtRestOptions.Status.Builder] avoiding the need to create one manually via [@link EncryptionAtRestOptionsStatus#builder()].

When the [@link Consumer] completes, [@link EncryptionAtRestOptionsStatus.Builder#build()] is called immediately and its result is passed to [@link
# encryptionAtRestOptions(EncryptionAtRestOptionsStatus).

@param encryptionAtRestOptions a consumer that will call methods on { @link EncryptionAtRestOptionsStatus.Builder }

@return Returns a reference to this object so that method calls can be chained together.

@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)

"deprecated" : false,

"documentation" : "<pSpecifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "encryptionAtRestOptions",

"fluentSetterDocumentation" : "<pSpecifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>

@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "encryptionAtRestOptions",

"getterDocumentation" : "<pSpecifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>

@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."

"getterModel" : {
    "returnType" : "EncryptionAtRestOptionsStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EncryptionAtRestOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EncryptionAtRestOptions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "EncryptionAtRestOptions",}
"sensitive": false,
"setterDocumentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.",
"setterMethodName": "setEncryptionAtRestOptions",
"setterModel": {
  "variableDeclarationType": "EncryptionAtRestOptionsStatus",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptionsStatus",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptionsStatus",
  "variableSetterType": "EncryptionAtRestOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptionsStatus",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptionsStatus",
  "documentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
  "simpleType": "EncryptionAtRestOptionsStatus",
  "variableSetterType": "EncryptionAtRestOptionsStatus"
},
"xmlNameSpaceUri": null
}, {
  "beanStyleGetterMethodName": "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName": "setNodeToNodeEncryptionOptions",
  "c2jName": "NodeToNodeEncryptionOptions",
  "c2jShape": "NodeToNodeEncryptionOptionsStatus",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
  "This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptionsStatus.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptionsStatus.Builder#builder()}. When the {@link Consumer} completes, {@link NodeToNodeEncryptionOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)}.<p>
  "@param nodeToNodeEncryptionOptions a consumer that will call methods on {@link NodeToNodeEncryptionOptionsStatus.Builder}<p>
  "@return Returns a reference to this object so that method calls can be chained together.<p>
  "@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)",
  "deprecated": false,
  "documentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.<br/>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.<br/>
@return Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptionsStatus",
"variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptionsStatus",
"documentation" : "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>",
"simpleType" : "NodeToNodeEncryptionOptionsStatus",
"variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>AdvancedOptions</code> for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.</p>\nThis is a convenience that creates an instance of the {@link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via {@link AdvancedOptionsStatus#builder()}.\nWhen the {@link Consumer} completes, {@link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link AdvancedOptionsStatus.Builder}.
\n@see #advancedOptions(AdvancedOptionsStatus)
\n\n@deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
\n@see #advancedOptions(AdvancedOptionsStatus)
\n@deprecated" : false,
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "advancedOptions",

"getterModel" : {
"returnType" : "AdvancedOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AdvancedOptions",
"sensitive" : false,

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {

"variableDeclarationType" : "AdvancedOptionsStatus",
"variableName" : "advancedOptions",
"variableType" : "AdvancedOptionsStatus",
"documentation" : null,
"simpleType" : "AdvancedOptionsStatus",
"variableSetterType" : "AdvancedOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "AdvancedOptionsStatus",
"variableName" : "advancedOptions",
"variableType" : "AdvancedOptionsStatus",
"simpleType" : "AdvancedOptionsStatus",
"variableSetterType" : "AdvancedOptionsStatus"
},
"xmlNameSpaceUri" : null
],
{
"beanStyleGetterMethodName" : "getLogPublishingOptions",
"beanStyleSetterMethodName" : "setLogPublishingOptions",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
This is a convenience that creates an instance of the {link LogPublishingOptionsStatus.Builder} avoiding the need to create one manually via {link LogPublishingOptionsStatus.Builder}.
When the {link Consumer} completes, {link LogPublishingOptionsStatus.Builder#build} is called immediately and its result is passed to {link LogPublishingOptionsStatus.Builder#build}.
A consumer that will call methods on {link LogPublishingOptionsStatus.Builder}.
@returns Returns a reference to this object so that method calls can be chained together.
@see LogPublishingOptions
"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "logPublishingOptions",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see LogPublishingOptions
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>"}
"getterModel" : {
  "returnType" : "LogPublishingOptionsStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "LogPublishingOptions",

"simple" : false,

"setterDocumentation" : "Log publishing options for the given domain."

@param logPublishingOptions Log publishing options for the given domain.

"setterMethodName" : "setLogPublishingOptions",

"setterModel" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : null,
  "simpleType" : "LogPublishingOptionsStatus",
  "variableSetterType" : "LogPublishingOptionsStatus"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : "Log publishing options for the given domain."}
"simpleType" : "LogPublishingOptionsStatus",
"variableSetterType" : "LogPublishingOptionsStatus"
},
"xmlNameSpaceUri" : null
} ];
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ElasticsearchDomainConfig",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "elasticsearchDomainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"wrapper" : false
},
"ElasticsearchDomainStatus" : {
  "c2jName" : "ElasticsearchDomainStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The current status of an Elasticsearch domain."",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [ }
"beanStyleGetterMethodName" : "getDomainId",
"beanStyleSetterMethodName" : "setDomainId",
"c2jName" : "DomainId",
"c2jShape" : "DomainId",
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainId(String)}.
@param domainId a consumer that will call methods on {@link String.Builder} so that method calls can be chained together.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainId(String)",
"deprecated" : false,
"documentation" : "The unique identifier for the specified Elasticsearch domain.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainId",
"fluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain.
@param domainId The unique identifier for the specified Elasticsearch domain.
@return The unique identifier for the specified Elasticsearch domain.
@see #domainId(String)",
"getterDocumentation" : "The unique identifier for the specified Elasticsearch domain.
@return The unique identifier for the specified Elasticsearch domain.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainId",
"sensitive": false,
"setterDocumentation": "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain."
"setterMethodName": "setDomainId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": "<p>The unique identifier for the specified Elasticsearch domain.</p>
  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  "beanStyleGetterMethodName": "getDomainName",
  "beanStyleSetterMethodName": "setDomainName",
  "c2jName": "DomainName",
  "c2jShape": "DomainName",
  "defaultConsumerFluentSetterDocumentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen). This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link DomainName(String). Returns a reference to this object so that method calls can be chained together. @see DomainName(String)",
  "deprecated": false,
  "documentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen). </p>",
  "endpointDiscoveryId": false,
  "enumType": false,
  "name": "DomainId",
  "sensitive": false,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<br/>&lt;p&gt;\n@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n&lt;/p&gt;&lt;p&gt;\n@return Returns a reference to this object so that method calls can be chained together.".,
"fluentSetterMethodName": "domainName",
"getterDocumentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<br/>&lt;p&gt;\n@return The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).".,
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "<p>The name of an Elasticsearch domain. Domain names are unique across the
domains owned by an account within an AWS region. Domain names start with a letter or number and can contain
the following characters: a-z (lowercase), 0-9, and - (hyphen).

```
@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region.
Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
```


```
This is a convenience that creates an instance of the <@link String.Builder> avoiding the need to create one manually via <@link String#builder()>.

When the <@link Consumer> completes, <@link String.Builder#build()> is called immediately and its result is passed to <@link #arn(String)>.

@return Returns a reference to this object so that method calls can be chained together.
  
@see #arn(String)
```


```
This is a convenience that creates an instance of the <@link String.Builder> avoiding the need to create one manually via <@link String#builder()>.

When the <@link Consumer> completes, <@link String.Builder#build()> is called immediately and its result is passed to <@link #arn(String)>.

@return Returns a reference to this object so that method calls can be chained together.
  
@see #arn(String)
```

Identifiers for IAM Entities</a> in <i>Using AWS Identity and Access Management</i> for more information.

```
"deprecated" : false,

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "arn",
"fluentSetterMethodName": "arn",
"fluentSetterDocumentation": "The Amazon resource name (ARN) of an Elasticsearch domain. See <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/index.html?Using_Identifiers.html" target="_blank">Identifiers for IAM Entities</a> in <i>Using AWS Identity and Access Management</i> for more information.\n\n@returns a reference to this object so that method calls can be chained together."


"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ARN",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ARN",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN"
The Amazon resource name (ARN) of an Elasticsearch domain. See Identifiers for IAM Entities in Using AWS Identity and Access Management for more information.

```
@param arn The Amazon resource name (ARN) of an Elasticsearch domain. See Identifiers for IAM Entities in Using AWS Identity and Access Management for more information.
```

```
{"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "The Amazon resource name (ARN) of an Elasticsearch domain. See Identifiers for IAM Entities in Using AWS Identity and Access Management for more information.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getCreated",
"beanStyleSetterMethodName": "setCreated",
"c2jName": "Created",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."

This is a convenience that creates an instance of the [Boolean.Builder] avoiding the need to create one manually via {Boolean#builder()}. When the [Consumer] completes, {Boolean.Builder#build()} is called immediately and its result is passed to {created(Boolean)} created a consumer that will call methods on {Boolean.Builder} Returns a reference to this object so that method calls can be chained together.

```
deprecated": false,
"documentation": "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
```

```
"endpointDiscoveryId": false,
"enumType": null,
```
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n</p><p>@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n@return Returns a reference to this object so that method calls can be chained together.\n</p>
"getterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n</p><p>@return The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n</p>
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Created",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Created",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Created",
"sensitive" : false,
"setterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n</p><p>@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n</p>"
"setterMethodName" : "setCreated",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "created",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "created",
  "variableType" : "Boolean",
  "documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>"
}
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getDeleted",
"beanStyleSetterMethodName" : "setDeleted",
"c2jName" : "Deleted",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, the consumer that will call methods on the builder is called immediately and its result is passed to the builder. A consumer that will call methods on the builder is created and passed to the fluent method. It is then returned to the caller. Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>"

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "deleted",
"fluentSetterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>"
deleted. Once domain deletion is complete, the status of the domain is no longer returned.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "deleted",
"getterDocumentation" : "The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

@returns The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Deleted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Deleted",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"sensitive" : false,
"setterDocumentation" : "The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned."
"setterMethodName" : "setDeleted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : "The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned."",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getEndpoint",
  "beanStyleSetterMethodName" : "setEndpoint",
  "c2jName" : "Endpoint",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.\nThis is a convenience that creates an instance of the \[@link String.Builder\] avoiding the need to create one manually via \[@link String#builder()\].\nWhen the \[@link Consumer\] completes, \[@link String.Builder#build()\] is called immediately and its result is passed to \[@link #endpoint(String)\].\n\n@deprecated false,
  "documentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.\n\n@endpoint(String)\n\n@returns a reference to this object so that method calls can be chained together.\n@see #endpoint(String)"
},
  "fluentSetterMethodName" : "endpoint",
  "getterDocumentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.\n\n@endpoint(String)\n\n@returns a reference to this object so that method calls can be chained together.\n"
requests.

@return The Elasticsearch domain endpoint that you use to submit index and search requests.

@getterModel
getterModel: {
  "returnType": "String",
  "documentation": null
},

@http
http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Endpoint",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Endpoint",
  "uri": false
},

@idempotencyToken
idempotencyToken: false,

@isBinary
isBinary: false,

@jsonValue
jsonValue: false,

@list
list: false,

@listModel
listModel: null,

@map
map: false,

@mapModel
mapModel: null,

@marshallingType
marshallingType: "STRING",

@name
name: "Endpoint",

@sensitive
sensitive: false,

@setterDocumentation
setterDocumentation: "The Elasticsearch domain endpoint that you use to submit index and search requests."

@setterMethodName
setterMethodName: "setEndpoint",

@setterModel
setterModel: {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

@simple
simple: true,

@timestampFormat
timestampFormat: null,

@variable
variable: {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String"
}
"variableType" : "String",
"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getEndpoints",
"beanStyleSetterMethodName" : "setEndpoints",
"c2jName" : "Endpoints",
"c2jShape" : "EndpointsMap",
"defaultConsumerFluentSetterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>This is a convenience that creates an instance of the {@link Map&lt;String,String&gt;}.Builder avoiding the need to create one manually via {@link Map&lt;String,String&gt;#builder()}. When the {@link Consumer} completes, {@link Map&lt;String,String&gt;#build()} is called immediately and its result is passed to {@link #endpoints(Map&lt;String,String&gt;)}. @param endpoints a consumer that will call methods on {@link Map&lt;String,String&gt;}.Builder@return Returns a reference to this object so that method calls can be chained together. @see #endpoints(Map&lt;String,String&gt;)",
"deprecated" : false,
"documentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "endpoints",
"fluentSetterDocumentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. @param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. @return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
"getterModel" : { 
"returnType" : "java.util.Map&lt;String,String&gt;",
"documentation" : null
}
null}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Endpoints",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Endpoints",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object."

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{ @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called
immediately and its result is passed to { @link #key(String)}. Returns a reference to this object so that
method calls can be chained together.

@see #key(String)
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object."

@see #key(String)"
value for the Key property for this object.

@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "c2jShape": "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}. Returns a reference to this object so that method calls can be chained together.
  @param value a consumer that will call methods on {@link String.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  @see #value(String)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object.
  @param value The value of the Value property for this object.
  @return Returns a reference to this object so that method calls can be chained together.
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object.
  @return The value of the Value property for this object.
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "httpMethod": "",
    "httpMethodType": "",
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object."
"setterMethodName" : "setValue",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "value",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "value",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String, String>"
},
"marshallingType" : "MAP",
"name" : "Endpoints",
"sensitive" : false,
"setterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.\n\n@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",

"setterMethodName" : "setEndpoints",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
  "xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getProcessing",
"beanStyleSetterMethodName" : "setProcessing",
"c2jName" : "Processing",
"c2jShape" : "Boolean",
"defaultValueConsumerFluentSetterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.\n\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}.\n\nWhen the {@link Consumer} completes, [ @link Boolean.Builder#build() ] is called immediately and its result is passed to [ @link #processing(Boolean) ].\n\n@see #processing(Boolean)",
"deprecated" : false,
"documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "processing",
"getterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@return The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Processing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Processing",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setProcessing",}
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "processing",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "processing",
    "variableType" : "Boolean",
    "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon
Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
</p>,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getUpgradeProcessing",
"beanStyleSetterMethodName" : "setUpgradeProcessing",
"c2jName" : "UpgradeProcessing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "The status of an Elasticsearch domain version upgrade.
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the
configuration is active.
<p>This is a convenience that creates an instance of the [<code>Boolean.Builder</code>] avoiding
the need to create one manually via [<code>Boolean.Builder()</code>]. When the [<code>Consumer</code>]
completes, [<code>Boolean.Builder#build()</code>] is called immediately and its result is passed to [<code>UpgradeProcessing(Boolean)</code>].
@link UpgradeProcessing(Boolean)"},
"deprecated" : false,
"documentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon
Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
</p>"},
"endpointDiscoveryId" : null,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon
Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
</p>\n@link UpgradeProcessing(Boolean)\n@link UpgradeProcessing(Boolean)"},
"fluentSetterDocumentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon
Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.\n@link UpgradeProcessing(Boolean)\n@link UpgradeProcessing(Boolean)"},
"endpointDiscoveryId" : null,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentSetterMethodName" : "upgradeProcessing",
"getterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>@return The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeProcessing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeProcessing",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.",
"setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

```
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "upgradeProcessing",
  "variableType": "Boolean",
  "documentation": "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active."
}
"simpleType": "Boolean",
"variableSetterType": "Boolean"
"xmlNameSpaceUri": null
```

```
"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the ElasticsearchVersion property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build] is called immediately and its result is passed to [link ElasticsearchVersion(String)] a consumer that will call methods on [link String.Builder] a reference to this object so that method calls can be chained together."

"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventType": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchVersion",
"fluentSetterDocumentation": "Sets the value of the ElasticsearchVersion property for this object. The new value for the ElasticsearchVersion property for this object.

@see ElasticsearchVersion(String)

"fluentSetterMethodName": "elasticsearchVersion",
"getterDocumentation": "Returns the value of the ElasticsearchVersion property for this object."

"getterModel": {
  "returnType": "String",
  "documentation": null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.\n\n@param\nelasticsearchVersion The new value for the ElasticsearchVersion property for this object."
,
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "getterDocumentation" : "Returns the ElasticsearchClusterConfig object for this object.\n\n@return The ElasticsearchClusterConfig object for this object.\n\n@see ElasticsearchClusterConfig\n\n@since 1.0.0"
,
  "getterMethodName" : "getElasticsearchClusterConfig",
  "getterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
}
,"xmlNameSpaceUri" : null
),

"Open Source Used In SDWan 20.4.1 13423"
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
This is a convenience that creates an instance of the {@link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchClusterConfig#builder()}. When the {@link Consumer} completes, {@link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}. param elasticsearchClusterConfig a consumer that will call methods on {@link ElasticsearchClusterConfig.Builder} @return Returns a reference to this object so that method calls can be chained together.

\n@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "<p>The type and number of instances in the domain cluster.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances in the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@return The type and number of instances in the domain cluster.
",
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"setterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances in the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfig",
    "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : "<p>The type and number of instances in the domain cluster.</p>
    "simpleType" : "ElasticsearchClusterConfig",
    "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
  <p>\nThis is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}. When the { @link Consumer} completes, { @link EBSOptions.Builder#build()} is called immediately and its result is passed to { @link #ebsOptions(EBSOptions)}.
  <p>@param ebsOptions a consumer that will call methods on { @link EBSOptions.Builder}
  <p>@return Returns a reference to this object so that method calls can be chained together.
  <p>@see #ebsOptions(EBSOptions)",
  "deprecated" : false,
  <p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",


@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "ebsOptions",

@return The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO"
"name": "EBSOptions",
"sensitive": false,
@param ebsOptions The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
"setterMethodName": "setEbsOptions",
"setterModel": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "ebsOptions",
  "variableType": "EBSOptions",
  "documentation": null,
  "simpleType": "EBSOptions",
  "variableSetterType": "EBSOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "ebsOptions",
  "variableType": "EBSOptions",
"simple": "EBSOptions",
  "variableSetterType": "EBSOptions"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getAccessPolicies",
"beanStyleSetterMethodName": "setAccessPolicies",
"c2jName": "AccessPolicies",
"c2jShape": "PolicyDocument",
"defaultConsumerFluentSetterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder}.

When the { @link Consumer} completes, { @link String.Builder.build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.<br />

@deprecated
@end{}

@see #accessPolicies(String)",
"deprecated": false,
"documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>@return IAM access policy as a JSON-formatted string.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "AccessPolicies",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "AccessPolicies",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "accessPolicies",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
{"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "accessPolicies",
"variableType": "String",
"documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null,
},
"beanStyleGetterMethodName": "getSnapshotOptions",
"beanStyleSetterMethodName": "setSnapshotOptions",
"c2jName": "SnapshotOptions",
"c2jShape": "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation": "<p>SPECIFIES THE STATUS OF THE <code>SnapshotOptions</code></p>
This is a convenience that creates an instance of the <code>{@link SnapshotOptions.Builder}</code> avoiding the need to create one manually via <code>{@link SnapshotOptions#builder()}</code>. When the <code>{@link Consumer}</code> completes, <code>{@link SnapshotOptions.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #snapshotOptions(SnapshotOptions)}</code>.

@see #snapshotOptions(SnapshotOptions)",
"deprecated": false,
"documentation": "<p>SPECIFIES THE STATUS OF THE <code>SnapshotOptions</code></p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "snapshotOptions",
"fluentSetterDocumentation": "<p>SPECIFIES THE STATUS OF THE <code>SnapshotOptions</code></p>
Specifies the status of the <code>SnapshotOptions</code>.

@see #snapshotOptions(SnapshotOptions)",
"fluentSetterMethodName": "snapshotOptions",
"getterDocumentation": "<p>SPECIFIES THE STATUS OF THE <code>SnapshotOptions</code></p>
Specifies the status of the <code>SnapshotOptions</code>.

@see #snapshotOptions(SnapshotOptions)",
"getterModel": {
"returnType": "SnapshotOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "SnapshotOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SnapshotOptions",
"uri": false
},
/idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "SnapshotOptions",
"setterDocumentation": "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param
snapshotOptions Specifies the status of the <code>SnapshotOptions</code>",
"setterMethodName": "setSnapshotOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": null,
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getVpcOptions",
"beanStyleSetterMethodName": "setVpcOptions",
"c2jName": "VPCOptions"
"c2jShape" : "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

This is a convenience that creates an instance of the {[@link VPCDerivedInfo.Builder]} avoiding the need to create one manually via {[@link VPCDerivedInfo#builder()]}. When the {[@link Consumer]} completes, {[@link VPCDerivedInfo.Builder#build()]} is called immediately and its result is passed to {[@link VPCOptions(VPCDerivedInfo)]}. Return Returns a reference to this object so that method calls can be chained together.

see #vpcOptions(VPCDerivedInfo)",
"deprecated" : false,
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",

@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
@return Returns a reference to this object so that method calls can be chained together.

see #vpcOptions(VPCDerivedInfo)",
"getterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

"getterModel" : {
"returnType" : "VPCDerivedInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. 
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getCognitoOptions",
  "beanStyleSetterMethodName" : "setCognitoOptions",
  "getterMethod" : {
    "getterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito.html" target="_blank">Cognito Options for Amazon Elasticsearch Service Domains</a>.",
    "getterMethodName" : "getCognitoOptions",
    "getterModel" : {
      "getterDeclarationType" : "CognitoOptions",
      "getterName" : "cognitoOptions",
      "getterType" : "CognitoOptions",
      "getterSetterType" : "CognitoOptions"
    }
  }
}
The <code>CognitoOptions</code> for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html). This is a convenience that creates an instance of the [@link CognitoOptions.Builder] avoiding the need to create one manually via [@link CognitoOptions#builder()]. When the [@link Consumer] completes, [@link CognitoOptions.Builder#build()] is called immediately and its result is passed to [@link CognitoOptions#cognitoOptions(CognitoOptions)].

When the [@link Consumer] completes, [@link CognitoOptions.Builder#build()] is called immediately and its result is passed to [@link CognitoOptions#cognitoOptions(CognitoOptions)].

@see #cognitoOptions(CognitoOptions)
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
".setterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "cognitoOptions",
    "variableType" : "CognitoOptions",
    "documentation" : null,
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "cognitoOptions",
    "variableType" : "CognitoOptions",
    "documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions"
This is a convenience that creates an instance of the EncryptionAtRestOptions.Builder avoiding the need to create one manually via EncryptionAtRestOptions#builder().

When the Consumer completes, EncryptionAtRestOptions.Builder#build() is called immediately and its result is passed to EncryptionAtRestOptions a consumer that will call methods on EncryptionAtRestOptions.Builder.

@return Returns a reference to this object so that method calls can be chained together.

@see #encryptionAtRestOptions(EncryptionAtRestOptions)
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
@param encryptionAtRestOptions Specifies the status of the
<code>EncryptionAtRestOptions</code>.",
"setterMethodName": "setEncryptionAtRestOptions",
"setterModel": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"xmlNameSpaceUri": null
},
{"beanStyleGetterMethodName": "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName": "setNodeToNodeEncryptionOptions",
"c2jName": "NodeToNodeEncryptionOptions",
"c2jShape": "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>\nThis is a convenience that creates an instance of the { @link
NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link
NodeToNodeEncryptionOptions#builder()}.\nWhen the { @link Consumer} completes, { @link
NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to { @link
#nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}\n@param nodeToNodeEncryptionOptions a consumer that will call methods on { @link
NodeToNodeEncryptionOptions.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see
#nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
"deprecated": false,
"documentation" : "<p>Specifies the status of the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt;.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the status of the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt;.&lt;/p&gt;
@param nodeToNodeEncryptionOptions Specifies the status of the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt;.&lt;/param&gt;
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodname" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "&lt;p&gt;Specifies the status of the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt;.&lt;/p&gt;
@return Specifies the status of the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt;.&lt;/param&gt;, 
"getterModel" : {
  "returnType" : "NodeToNodeEncryptionOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NodeToNodeEncryptionOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;Specifies the status of the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt;.&lt;/p&gt;
@param nodeToNodeEncryptionOptions Specifies the status
of the <code>NodeToNodeEncryptionOptions</code>,",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"\n"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "Specifies the status of the <code>AdvancedOptions</code>. This is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link Map<String,String>#builder()}. When the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #advancedOptions(Map<String,String>)}.\n@param advancedOptions a consumer that will call methods on { @link Map<String,String>.Builder} \n@return Returns a reference to this object so that method calls can be chained together.\n@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "Specifies the status of the <code>AdvancedOptions</code>.",
"endpointDiscoveryId" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "Specifies the status of the <code>AdvancedOptions</code>.\n@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>\n@return Returns a reference to this object so that method calls can be chained together.\n@see #advancedOptions(Map<String,String>)",
"getterDocumentation" : "Specifies the status of the <code>AdvancedOptions</code>.\n@Attempts
to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Specifies the status of the <code>AdvancedOptions</code>.

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : true,

"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the [\@link String.Builder] avoiding the need to create one manually via \{\@link String.Builder\#builder\()\}.\nWhen the [\@link String.Builder\#build\()\] is called immediately and its result is passed to [\@link #key(String)\].\n@param key a consumer that will call methods on [\@link String.Builder\]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "interfaceType" : "java.util.Map",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryLocation" : false,
  "queryLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
}
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.
@return The value of the Key property for this object."
getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together."
setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #value(String)}. @param value a consumer that will call methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.@return Returns a reference to this object so that method calls can be chained together.".
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.@return The value of the Value property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."
,"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>"
"templateType" : "java.util.Map<String,String>" 
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
@param advancedOptions Specifies the status of the <code>AdvancedOptions</code></p>

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
  "beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p><p>This is a convenience that creates an instance of the {@link Map\<String,LogPublishingOption\>.\<Builder\>} avoiding the need to create one manually via {@link Map\<String,LogPublishingOption\>\#builder()}.

When the {@link Consumer} completes, {@link Map\<String,LogPublishingOption\>.\<Builder\>\#build()} is called immediately and its result is passed to {@link #logPublishingOptionsAsStrings(Map\<String,LogPublishingOption\>)}.

@param logPublishingOptions a consumer that will call methods on {@link Map\<String,LogPublishingOption\>.\<Builder\>\#build()}.
@returns Returns a reference to this object so that method calls can be chained together.
@see #logPublishingOptionsWithStrings(Map\<String,LogPublishingOption\>)",
  "deprecated" : false,
  "documentation" : "<p>Log publishing options for the given domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "logPublishingOptions",
  "fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsString",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>
< Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Log publishing options for the given domain.",
"getterModel" : {
  "returnType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultValueFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}.\n\n@returns a reference to this object so that method calls can be chained
"
"@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n@see LogType\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, \n{@link #key} will return {\nLogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {\n@link #keyAsString}.\n\n@return The value of the Key property for this object.\n@see LogType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation": "Sets the value of the Key property for this object.\n@\n@param key The new value for the Key property for this object.\n@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.\nThis is a convenience that creates an instance of the \n{@link LogPublishingOption.Builder} avoiding the need to create one manually via \n{@link LogPublishingOption#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to \n{@link #value(LogPublishingOption)\n@param value a consumer that will call methods on \n{@link LogPublishingOption.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(LogPublishingOption)\n"",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together."\n"
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.\n@return The value of the Value property for this object.",
"getterModel": {
  "returnType": "LogPublishingOption",
  "documentation": null
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"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "value",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "value",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.",
"setterMethod Name": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variable SetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variable SetterType": "LogPublishingOption"}
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : "",
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.

setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : "<p>Log publishing options for the given domain.</p>",
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>

This is a convenience that creates an instance of the { link ServiceSoftwareOptions.Builder } avoiding the need to create one manually via { link ServiceSoftwareOptions#builder() }. When the { link Consumer } completes, { link ServiceSoftwareOptions.Builder#build() } is called immediately and its result is passed to { link ServiceSoftwareOptions(ServiceSoftwareOptions) }. @param serviceSoftwareOptions a consumer that will call methods on { link ServiceSoftwareOptions.Builder } @return Returns a reference to this object so that method calls can be chained together.@ see ServiceSoftwareOptions#ServiceSoftwareOptions(ServiceSoftwareOptions)"
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
@return The current status of the Elasticsearch domain's service software.
",
"getterModel" : {
  "returnType" : "ServiceSoftwareOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ServiceSoftwareOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ServiceSoftwareOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.
",
"setterMethodName" : "setServiceSoftwareOptions"
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ARN" : {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}.<p><br>
@deprecated</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"}
Target="_blank">Identifiers for IAM Entities</a> in <i>Using AWS Identity and Access Management</i> for more information.</p>
\@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "arn",

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "ARN",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ARN",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
\@return Returns a reference to this object so that method calls can be chained together.";
Identifiers for IAM Entities in <i>Using AWS Identity and Access Management</i> for more information.

```
"setterMethodName": "setArn",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "arn",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "arn",
    "variableType": "String",
    "simpleType": "String",
    "variableSetterType": "String"
},
"AccessPolicies": {
    "beanStyleGetterMethodName": "getAccessPolicies",
    "beanStyleSetterMethodName": "setAccessPolicies",
    "c2jName": "AccessPolicies",
    "c2jShape": "PolicyDocument",
    "defaultConsumerFluentSetterDocumentation": "IAM access policy as a JSON-formatted string.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via{@link String.Builder}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #accessPolicies(String)}.
\n@param accessPolicies a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #accessPolicies(String)",
    "deprecated": false,
    "documentation": "IAM access policy as a JSON-formatted string.
\n@endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "accessPolicies",
    "fluentSetterDocumentation": "IAM access policy as a JSON-formatted string.
\n@returns Returns a reference to this object so that method calls can be chained together."
```
method calls can be chained together.

"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AccessPolicies",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AccessPolicies",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"敏感" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.

"setterMethodName" : "setAccessPolicies",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "accessPolicies",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
}
"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultValueFluentSetterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link Map<String,String>#builder()}. When the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #advancedOptions(Map<String,String>)}. @param advancedOptions a consumer that will call methods on { @link Map<String,String>.Builder}.
@return Returns a reference to this object so that method calls can be chained together.  

When the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #advancedOptions(Map<String,String>)}. 

@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.  
</p>
@return Specifies the status of the <code>AdvancedOptions</code>",
"getterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.  
</p>
@return Specifies the status of the <code>AdvancedOptions</code>",
"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "AdvancedOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AdvancedOptions",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #key(String)\}. @param key a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together. @see #key(String)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": "null",
    "fluentEnumSetterMethodName": "null",
    "fluentGetterMethodName": "key",
    "fluentSetterDocumentation": "Sets the value of the Key property for this object. The new value for the Key property for this object.@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "key",
    "getterDocumentation": "Returns the value of the Key property for this object.@return The value of the Key property for this object."
  }
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "Key",

"sensitive" : false,

"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@\nparam key The new value for the Key property for this object.",

"setterMethodName" : "setKey",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : ""
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #value(String)].\n\n@see #value(String)"
},
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "value",
    "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The value of the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together."",
    "getterDocumentation" : "Gets the value of the Value property for this object."",
    "getterModel" : {
    "returnType" : "String",
    "documentation" : null
    },
    "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String" }
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String" }
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code>

@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>"
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "",
"simpleType" : "java.util.Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>"}
"variableName": "advancedOptions",
"variableType": "java.util.Map<String,String>",
"documentation": null,
"simpleType": "Map<String,String>",
"variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"xmlNameSpaceUri": null
},
"CognitoOptions": {
  "beanStyleGetterMethodName": "getCognitoOptions",
  "beanStyleSetterMethodName": "setCognitoOptions",
  "c2jName": "CognitoOptions",
  "c2jShape": "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>The <code>CognitoOptions</code> for the specified
domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>

This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding
the need to create one manually via {@link CognitoOptions.Builder#builder()}. When the {@link Consumer}
completes, {@link CognitoOptions.Builder#build()} is called immediately and its result is passed to
{@link #cognitoOptions(CognitoOptions)}.

@see #cognitoOptions(CognitoOptions)
@deprecated
  <p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>

endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>",
"deprecated": false,
"documentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>

@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a></p>"
Amazon Cognito Authentication for Kibana</a>

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "cognitoOptions",

@returns The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,


@returns The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
}
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"Created" : {
"beanStyleGetterMethodName" : "getCreated",
"beanStyleSetterMethodName" : "setCreated",
"c2jName" : "Created",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

This is a convenience that creates an instance of the <code>Boolean.Builder</code> avoiding the need to create one manually via <code>Boolean.builder()</code>. When the <code>Created</code> completes, the <code>Boolean.Builder.build()</code> is called immediately and its result is passed to <code>created(Boolean)</code>.<p>

@see #created(Boolean)
@returns a reference to this object so that method calls can be chained together.
@see #created(Boolean)
@deprecated
"documentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

@returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "created",
"getterDocumentation": "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n\n@return The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
"getterModel": {
  "returnType": "Boolean",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Created",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Created",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Created",
"sensitive": false,
"setterDocumentation": "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n\n@param created The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
"setterMethodName": "setCreated",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "created",
"variableType" : "Boolean",
"documentation" : "<p>The domain creation status. `<code>True</code>` if the creation of an Elasticsearch domain is complete. `<code>False</code>` if domain creation is still in progress.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Deleted" : {
"beanStyleGetterMethodName" : "getDeleted",
"beanStyleSetterMethodName" : "setDeleted",
"c2jName" : "Deleted",
"c2jShape" : "Boolean",
"defaultValueFluentSetterDocumentation" : "<p>The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

This is a convenience that creates an instance of the { @link Boolean#builder() }.<p>When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link #deleted(Boolean)}.<p>param deleted a consumer that will call methods on { @link Boolean.Builder|\n}@return Returns a reference to this object so that method calls can be chained together.\n@see #deleted(Boolean)
",
"deprecated" : false,
"documentation" : "<p>The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "deleted",
"fluentSetterMethodName" : "deleted",
"fluentSetterDocumentation" : "<p>The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.\n\n@see #deleted(Boolean)
",
"deprecated" : false,
cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

```
"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
 },
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "Deleted",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Deleted",
   "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"simple" : true,
"setterDocumentation" : "The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned."

```

"setterMethodName" : "setDeleted",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "deleted",
   "variableType" : "Boolean",
   "documentation" : null,
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
 },
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : "The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned."",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DomainId" : {
  "beanStyleGetterMethodName" : "getDomainId",
  "beanStyleSetterMethodName" : "setDomainId",
  "c2jName" : "DomainId",
  "c2jShape" : "DomainId",
  "defaultConsumerFluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain.\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String#builder()\}.\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link domainId(String)\}.\n\n\n@see domainId(String)"
  "deprecated" : false,
  "documentation" : "The unique identifier for the specified Elasticsearch domain.\n\n\nendpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainId",
  "fluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain.\n\n\n@end_param domainId The unique identifier for the specified Elasticsearch domain.\n\n\n@see domainId(String)"
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"setterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param
\n@domainId The unique identifier for the specified Elasticsearch domain.",
"setterMethodName" : "setDomainId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "documentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"DomainName" : {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName"
"c2jShape" : "DomainName",

"defaultConsumerFluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
This is a convenience that creates an instance of the \{@link String.Builder} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #domainName(String)\}.\n@para domainName a consumer that will call methods on \{@link String.Builder\}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",

"deprecated" : false,

"documentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "domainName",

"fluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainName",

"getterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n@return The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n
"getterModel" : {

"returnType" : "String",

"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "DomainName",

"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<p/>\n@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen)."",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptions",
}

This is a convenience that creates an instance of the `<code>EBSOptions.Builder</code>` avoiding the need to create one manually via `<code>EBSOptions#builder()</code>`. When the `<code>Consumer</code>` completes, `<code>EBSOptions.Builder#build()</code>` is called immediately and its result is passed to `<code>EBSOptions#Builder</code>`.

When the `<code>Consumer</code>` completes, `<code>EBSOptions#Builder#build()</code>` is called immediately and its result is passed to `<code>EBSOptions</code>`.

@see #ebsOptions(EBSOptions)


"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false,

}else,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",

@param ebsOptions The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",

"setterMethodName" : "setEbsOptions",
"setterModel" : {

"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"

},

"simple" : false,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",

"setterMethodName" : "getElasticsearchClusterConfig",
"setterModel" : {

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"xmlNameSpaceUri" : null

},
"ElasticsearchClusterConfig" : {

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"xmlNameSpaceUri" : null

},
"ElasticsearchClusterConfig" : {

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"xmlNameSpaceUri" : null

},
"ElasticsearchClusterConfig" : {

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"xmlNameSpaceUri" : null

},
"ElasticsearchClusterConfig" : {

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"xmlNameSpaceUri" : null

}
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.<p>
This is a convenience that creates an instance of the {@link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchClusterConfig#builder()}. When the {@link Consumer} completes, {@link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to a consumer that will call methods on a consumer so that method calls can be chained together.

```
@see ElasticsearchClusterConfig(ElasticsearchClusterConfig)
```

"deprecated" : false,
"documentation" : "The type and number of instances in the domain cluster.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "The type and number of instances in the domain cluster.

```
@see ElasticsearchClusterConfig(ElasticsearchClusterConfig)
```

"getterDocumentation" : "The type and number of instances in the domain cluster.

```
@see ElasticsearchClusterConfig(ElasticsearchClusterConfig)
```

"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"setterDocumentation" : "The type and number of instances in the domain cluster.

@param elasticClusterConfig The type and number of instances in the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "The type and number of instances in the domain cluster."
},
"xmlNameSpaceUri" : null
},
"ElasticsearchVersion" : {
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create
one manually via [String.Builder]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#elasticsearchVersion(String)].

@see #elasticsearchVersion(String)"
,
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "Returns the value of the ElasticsearchVersion property for this object.
@return The value of the ElasticsearchVersion property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"EncryptionAtRestOptions" : {
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p><p>This is a convenience that creates an instance of the
[<a>@link EncryptionAtRestOptions.Builder</a>] avoiding the need to create one manually via
[<a>@link EncryptionAtRestOptions#builder()</a>].
When the [<a>@link Consumer</a>] completes, [<a>@link EncryptionAtRestOptions.Builder#build()</a>] is called immediately and its result is passed to
[<a>@link EncryptionAtRestOptions(EncryptionAtRestOptions)\</a>]

@<a>param encryptionAtRestOptions</a> a consumer that will
call methods on [<a>@link EncryptionAtRestOptions.Builder</a>]

@return Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)"",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.
@return Specifies the status of the
<code>EncryptionAtRestOptions</code>.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
"getterDocumentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.
@return Specifies the status of the
<code>EncryptionAtRestOptions</code>.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EncryptionAtRestOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EncryptionAtRestOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>. </p>\n@param encryptionAtRestOptions Specifies the status of the <code>EncryptionAtRestOptions</code>.",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
    "variableDeclarationType" : "EncryptionAtRestOptions",
    "variableName" : "encryptionAtRestOptions",
    "variableType" : "EncryptionAtRestOptions",
    "documentation" : null,
    "simpleType" : "EncryptionAtRestOptions",
    "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "EncryptionAtRestOptions",
    "variableName" : "encryptionAtRestOptions",
    "variableType" : "EncryptionAtRestOptions",
    "documentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>. </p>\n@param encryptionAtRestOptions Specifies the status of the <code>EncryptionAtRestOptions</code>.",
    "simpleType" : "EncryptionAtRestOptions",
    "variableSetterType" : "EncryptionAtRestOptions"
}"}
"xmlNameSpaceUri" : null
},
"Endpoint" : {
  "beanStyleGetterMethodName" : "getEndpoint",
  "beanStyleSetterMethodName" : "setEndpoint",
  "c2jName" : "Endpoint",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #endpoint(String)}. Returns a reference to this object so that method calls can be chained together.\n@see #endpoint(String)",
  "deprecated" : false,
  "documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "endpoint",
  "fluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
  @param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "endpoint",
  "getterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
  @return The Elasticsearch domain endpoint that you use to submit index and search requests.
  @param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests.
  @return The Elasticsearch domain endpoint that you use to submit index and search requests.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Endpoint",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Endpoint",
    "uri" : false}
"setterDocumentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.

@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests."

.setterMethodName" : "setEndpoint",
.setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
),

"Endpoints" : {
  "beanStyleGetterMethodName" : "getEndpoints",
  "beanStyleSetterMethodName" : "setEndpoints",
  "c2jName" : "Endpoints",
  "c2jShape" : "EndpointsMap",
  "defaultConsumerFluentSetterDocumentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2sd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. This is a convenience that creates an instance of the { @link Map&lt;String,String&gt;}.Builder avoiding the need to create one manually via { @link Map&lt;String,String&gt;#builder()}. When the { @link Consumer} completes, { @link Map&lt;String,String&gt;#builder().build()} is called immediately and its result is passed to { @link #endpoints(Map&lt;String,String&gt;)}.

@param endpoints a consumer that will call methods on { @link

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"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \n[@link String.Builder] avoiding the need to create one manually via \n[@link String#builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #key(String)].\n\n@throws key a consumer that will call methods on \n[@link String.Builder]\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.\n\n@returns The value of the Key property for this object.\n\ngetterModel" : {
  "returnType" : "String",
  "documentation" : null
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD"}
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object."

"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link
String.Builder#build()} is called immediately and its result is passed to {\link #value(String)}.

@\param value a consumer that will call methods on {\link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.

@\see #value(String)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@\param value The new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@\return The value of the Value property for this object.
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "value",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "value",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "Endpoints",
"sensitive": false,
"setterDocumentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', vpc-endpoint-h2dsd3efgyghrtguk5gt6j2fob4.us-east-1.es.amazonaws.com'</code>.

@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', vpc-endpoint-h2dsd3efgyghrtguk5gt6j2fob4.us-east-1.es.amazonaws.com'</code>.",
"setterMethodName": "setEndpoints",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "endpoints",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "endpoints",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
}
variableType" : "java.util.Map<String,String>",
"documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.
},
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "Log publishing options for the given domain.
This is a convenience that creates an instance of the \{ @link Map<String,LogPublishingOption>\.Builder\} avoiding the need to create one manually via \{ @link Map<String,LogPublishingOption>\#builder()\}.\n\nWhen the \{ @link Consumer\} completes, \{ @link Map<String,LogPublishingOption>\.Builder\#build()\} is called immediately and its result is passed to \{ @link LogPublishingOptionsAsStrings(Map<String,LogPublishingOption>)\}.\n\n\@param logPublishingOptions a consumer that will call methods on \{ @link Map<String,LogPublishingOption>\.Builder\}\n\@return Returns a reference to this object so that method calls can be chained together.\n\@see LogPublishingOptionsAsStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "Log publishing options for the given domain.\nendpointDiscoveryId" : false,
"enumType" : null,
"eventoHeader" : false,
"eventoPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "Log publishing options for the given domain.\n\@param logPublishingOptions Log publishing options for the given domain.\n\@return Returns a reference to this object so that method calls can be chained together.\n\@see LogPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
null, "marshallLocation" : "PAYLOAD", "marshallLocationName" : "LogPublishingOptions", "queryString" : false, "statusCode" : false, "unmarshallLocationName" : "LogPublishingOptions", "uri" : false }
"idempotencyToken" : false, "isBinary" : false, "jsonValue" : false, "list" : false, "listModel" : null, "map" : true, "mapModel" : {
"implType" : "java.util.HashMap", "interfaceType" : "java.util.Map", "keyLocationName" : "key", "keyModel" : {
"beanStyleGetterMethodName" : "getKeyAsString", "beanStyleSetterMethodName" : "setKey", "c2jName" : "key", "c2jShape" : "LogType", "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}\n@param key a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)"}, "deprecated" : false, "documentation" : "", "endpointDiscoveryId" : false, "enumType" : "LogType", "eventHeader" : false, "eventPayload" : false, "fluentEnumGetterMethodName" : "key", "fluentEnumSetterMethodName" : "key", "fluentGetterMethodName" : "keyAsString", "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThe new value for the Key property for this object.\n@see LogType\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogType", "fluentSetterMethodName" : "key", "getterDocumentation" : "Returns the value of the Key property for this object.\nIf the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}.\n@return The value of the Key property for this object.\n@see LogType"}
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "",
    "variableSetterType" : "String"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : \"getValue\",
  "beanStyleSetterMethodName" : \"setValue\",
  "c2jName" : "value",
  "c2jShape" : \"LogPublishingOption\",
  "defaultConsumerFluentSetterDocumentation" : \"Sets the value of the Value property for this object. This is a convenience that creates an instance of the \[@link LogPublishingOption.Builder\] avoiding the need to create one manually via \[@link LogPublishingOption#builder()\]. When the \[@link Consumer\] completes, \[@link LogPublishingOption.Builder#build()\] is called immediately and its result is passed to \[@link LogPublishingOption\].\n\n@see \#value(LogPublishingOption)\",
  "deprecated" : false,
  "documentation" : ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : \"value\",
  "fluentSetterDocumentation" : \"Sets the value of the Value property for this object.\n\n\n@param value a consumer that will call methods on \[@link LogPublishingOption.Builder\]\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see \#value(LogPublishingOption)\",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : \"Returns the value of the Value property for this object.\n\n\n@return The value of the Value property for this object.\",
  "getterModel" : {
    "returnType" : \"LogPublishingOption\",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : \"PAYLOAD\",
    "marshallLocationName" : \"value\",
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
" sensitive" : false,
"setterDocumentation" : "Log publishing options for the given domain.

@param logPublishingOptions Log publishing options for the given domain."

"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : <p>Log publishing options for the given domain.</p>,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"}
},
"xmlNameSpaceUri" : null
},
"NodeToNodeEncryptionOptions" : {
  "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
  "c2jName" : "NodeToNodeEncryptionOptions",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code></p>
This is a convenience that creates an instance of the {
@link
NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {
@link
NodeToNodeEncryptionOptions.Builder#builder()}. When the {
@link Consumer} completes, {
@link
NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {
@link
NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}@param
NodeToNodeEncryptionOptions a consumer that will call methods on {
@link
NodeToNodeEncryptionOptions.Builder}@return
Returns a reference to this object so that method calls can be chained together. @see
NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)
",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code></p>.
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventId" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
  "fluentSetterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code></p>
\n@param
nodeToNodeEncryptionOptions Specifies the status of the <code>NodeToNodeEncryptionOptions</code>
\n@return
Returns a reference to this object so that method calls can be chained together.
".
  "fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
  "getterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code></p>.
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : <p>Log publishing options for the given domain.</p>,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"}
},
"xmlNameSpaceUri" : null
}
<code>NodeToNodeEncryptionOptions</code>.<p>
@return Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.

  "getterModel" : {
    "returnType" : "NodeToNodeEncryptionOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NodeToNodeEncryptionOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NodeToNodeEncryptionOptions",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "NodeToNodeEncryptionOptions",
  "_sensitive" : false,
  "setterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.<p>
@param nodeToNodeEncryptionOptions Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.",
  "setterMethodName" : "setNodeToNodeEncryptionOptions",
  "setterModel" : {
    "variableDeclarationType" : "NodeToNodeEncryptionOptions",
    "variableName" : "nodeToNodeEncryptionOptions",
    "variableType" : "NodeToNodeEncryptionOptions",
    "documentation" : null,
    "simpleType" : "NodeToNodeEncryptionOptions",
    "variableSetterType" : "NodeToNodeEncryptionOptions"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "NodeToNodeEncryptionOptions",
    "variableName" : "nodeToNodeEncryptionOptions",
    "variableType" : "NodeToNodeEncryptionOptions",
    "documentation" : null,
    "simpleType" : "NodeToNodeEncryptionOptions",
    "variableSetterType" : "NodeToNodeEncryptionOptions"
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions" }
},
"xmlNameSpaceUri" : null
},
"Processing" : {
"beanStyleGetterMethodName" : "getProcessing",
"beanStyleSetterMethodName" : "setProcessing",
"c2jName" : "Processing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #processing(Boolean)}. @param processing a consumer that will call methods on { @link Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #processing(Boolean)",
"deprecated" : false,
"documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "processing",
"getterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@return The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Processing",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Processing",
"uri" : false,
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

.setterMethodName" : "setProcessing",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "processing",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "processing",
"variableType" : "Boolean",
"documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"name" : "Processing",
"isStreaming" : false,
"xmlNameSpaceUri" : null
},
"ServiceSoftwareOptions" : {
"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>This is a convenience that creates an instance of the [@link ServiceSoftwareOptions.Builder] avoiding the need to create one manually via [@link ServiceSoftwareOptions#builder()].

When the [@link Consumer] completes, [@link ServiceSoftwareOptions.Builder#build()] is called immediately and its result is passed to [@link #serviceSoftwareOptions(ServiceSoftwareOptions)].

@param serviceSoftwareOptions a consumer that will call methods on [@link ServiceSoftwareOptions.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>

@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.

@return Returns a reference to this object so that method calls can be chained together.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>

@return The current status of the Elasticsearch domain's service software.

@getterModel" : {
"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.",
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null,
"SnapshotOptions" : {
  "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions",
  "c2jShape" : "SnapshotOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the<br>
<code>SnapshotOptions</code></p>
This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}.

When the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptions)}.

@see #snapshotOptions(SnapshotOptions)",
  "deprecated" : false,
"documentation": "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "snapshotOptions",
"fluentSetterDocumentation": "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "snapshotOptions",
"getterDocumentation": "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@return Specifies the status of the <code>SnapshotOptions</code>",
"getterModel": {
  "returnType": "SnapshotOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "SnapshotOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SnapshotOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "SnapshotOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>
@return Specifies the status of the <code>SnapshotOptions</code>",
"setterMethodName": "setSnapshotOptions",
"setterModel": {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "SnapshotOptions",
    "variableName" : "snapshotOptions",
    "variableType" : "SnapshotOptions",
    "documentation" : null,
    "simpleType" : "SnapshotOptions",
    "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"UpgradeProcessing" : {
    "beanStyleGetterMethodName" : "getUpgradeProcessing",
    "beanStyleSetterMethodName" : "setUpgradeProcessing",
    "c2jName" : "UpgradeProcessing",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
    "deprecated" : false,
    "documentation" : null,
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "upgradeProcessing",
    "fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
    "endpointDiscoveryId" : true,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "upgradeProcessing",
    "fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>"}
"fluentSetterMethodName" : "upgradeProcessing",
"getterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if
Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is
active.</p>

@return The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon
Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
",

"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
 },

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "UpgradeProcessing",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "UpgradeProcessing",
   "uri" : false
 },

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"sensitive" : false,

"setterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if
Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is
active.</p>

@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon
Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
",

"setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "upgradeProcessing",
   "variableType" : "Boolean",
   "documentation" : null,
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active."",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"VPCOptions" : {
  "beanStyleGetterMethodName" : "getVpcOptions",
  "beanStyleSetterMethodName" : "setVpcOptions",
  "c2jName" : "VPCOptions",
  "c2jShape" : "VPCDerivedInfo",
  "defaultConsumerFluentSetterDocumentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<p>\n\nThis is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {@link #vpcOptions(VPCDerivedInfo)}.\n\n@defaultConsumerFluentSetterDocumentation@<p>\n\n@deprecated returns a reference to this object so that method calls can be chained together.\n\n@see #vpcOptions(VPCDerivedInfo)",
  "deprecated" : false,
  "documentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "vpcOptions",
  "fluentSetterDocumentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<p>\n\n@fluentSetterDocumentation@\n\n@see #vpcOptions(VPCDerivedInfo)\n\n@deprecated returns a reference to this object so that method calls can be chained together.\n\n@see #vpcOptions(VPCDerivedInfo)"
"getterDocumentation" : "\p>The \code{VPCOptions}</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">
VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\</p>\n\n@return The \code{VPCOptions}</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">
VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
\",
"getterModel" : {
  "returnType" : "VPCDerivedInfo",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"sensitive" : false,
"setterDocumentation" : "\p>\The \code{VPCOptions}</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">
VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\</p>\n\n@param vpcOptions The \code{VPCOptions}</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">
VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
\",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "VPCDerivedInfo",
"variableName" : "vpcOptions",
"variableType" : "VPCDerivedInfo",
"documentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainId",
"beanStyleSetterMethodName" : "setDomainId",
"c2jName" : "DomainId",
"c2jShape" : "DomainId",
"defaultConsumerFluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainId(String)}. Returns a reference to this object so that method calls can be chained together.
@return Returns a reference to this object so that method calls can be chained together.",
"deprecated" : false,
"documentation" : "The unique identifier for the specified Elasticsearch domain.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainId",
"fluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain.",
"fluentSetterMethodName" : "domainId",
"getterDocumentation" : "The unique identifier for the specified Elasticsearch domain.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}];
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainId",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"marshall": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainId",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"setterDocumentation": "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain.",
"setterMethodName": "setDomainId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": "<p>The unique identifier for the specified Elasticsearch domain.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #domainName(String)].

@see #domainName(String)
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "\n<p>The name of an Elasticsearch domain. Domain names are unique across the
domains owned by an account within an AWS region. Domain names start with a letter or number and can contain
the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of an
Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region.
Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and -
(hyphen).\n\n,"
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "\n<p>The name of an Elasticsearch domain. Domain names are unique across the domains
owned by an account within an AWS region. Domain names start with a letter or number and can contain the
following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n\n"",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getArn"
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}. A consumer that will call methods on { @link String.Builder} \n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #arn(String)",
  "deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterMethodName" : "arn",

\n@return Returns a reference to this object so that method calls can be chained together.",

",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "simpleType" : "String",
  "variableSetterType" : "String"
The domain creation status. `true` if the creation of an Elasticsearch domain is complete. `false` if domain creation is still in progress.

This is a convenience that creates an instance of the [{link Boolean.Builder}](#link[Boolean.Builder]) avoiding the need to create one manually via `{link[Boolean.Builder]}`. When the `{link Consumer}` completes, `{link[Boolean.Builder.build()]}` is called immediately and its result is passed to `{link[Boolean#create(Boolean)]}`. This method can be chained together.

- **deprecated**: false
- **documentation**: "The domain creation status. `true` if the creation of an Elasticsearch domain is complete. `false` if domain creation is still in progress.

- **endpointDiscoveryId**: false
- **enumType**: null
- **eventHeader**: false
- **eventPayload**: false
- **fluentEnumGetterMethodName**: null
- **fluentEnumSetterMethodName**: null
- **fluentGetterMethodName**: "created"
- **fluentSetterMethodName**: "created"
- **getterDocumentation**: "The domain creation status. `true` if the creation of an Elasticsearch domain is complete. `false` if domain creation is still in progress.

- **getterModel**: {
  "returnType": "Boolean",
  "documentation": null
}
- **http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if domain deletion is complete.
domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}. When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #deleted(Boolean)}. Returns a reference to this object so that method calls can be chained together.

@see #deleted(Boolean)

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.
"unmarshallLocationName" : "Deleted",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"sensitive" : false,
"setterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
@param deleted
The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.",
"setterMethodName" : "setDeleted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getEndpoint",
  "beanStyleSetterMethodName" : "setEndpoint",
  "c2jName" : "Endpoint",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
This is a convenience that creates an instance of the { @link String.Builder}
avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer} completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #endpoint(String)}`. @param endpoint a consumer that will call methods on `{@link String.Builder}@return

Returns a reference to this object so that method calls can be chained together.@see #endpoint(String)

"deprecated" : false,
"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "endpoint",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests.@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "endpoint",
"getterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@return The Elasticsearch domain endpoint that you use to submit index and search requests.,
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Endpoint",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Endpoint",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING","Open Source Used In SDWan 20.4.1 13509
"name": "Endpoint",
"sensitive": false,
"setterDocumentation": "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests."

"setterMethodName": "setEndpoint",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getEndpoints",
"beanStyleSetterMethodName": "setEndpoints",
"c2jName": "Endpoints",
"c2jShape": "EndpointsMap",
"defaultConsumerFluentSetterDocumentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>. This is a convenience that creates an instance of the <code>@link Map&lt;String, String&gt;</code>.Builder avoiding the need to create one manually via <code>@link Map&lt;String, String&gt;</code>.#builder(). When the <code>@link Consumer</code> completes, <code>@link Map&lt;String, String&gt;</code>.#build() is called immediately and its result is passed to <code>@link #endpoints(Map&lt;String, String&gt;)</code>.<code>@param endpoints a consumer that will call methods on <code>@link Map&lt;String, String&gt;</code>.Builder</code>.

@returns Returns a reference to this object so that method calls can be chained together.<code>@see #endpoints(Map&lt;String, String&gt;)
</returns>
"deprecated": false,
"documentation": "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code></p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : "endpoints",
"fluentSetterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "endpoints",
"getterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Endpoints",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Endpoints",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "fluentGetterMethodName" : "endpoints",
    "fluentSetterMethodName" : "endpoints",
    "getterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.
", 
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Endpoints",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Endpoints",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.

@returns Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@returns Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@returns The value of the Key property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "ServiceUrl",
"defaultConsumerFluentGetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #value(String)\}.\n
@see #value(String)
@return Returns a reference to this object so that method calls can be chained together.

@deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.
\n@\n@return
Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.
\n@return
The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.
\n@\n@param
The new value for the Value property for this object.
\n@\n@return
a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"name" : "Endpoints",
"setterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>('vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com')</code>.<p>

"setterMethodName" : "setEndpoints",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>('vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com')</code>.</p>
  "variableSetterType" : "java.util.Map<String,String>
}
"xmlNameSpaceUri" : null}
"beanStyleSetterMethodName" : "setProcessing",
"c2jName" : "Processing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean#builder()].

When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #processing(Boolean)].

@returns Returns a reference to this object so that method calls can be chained together.

<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

@endreturns
<returns>
@see #processing(Boolean)"

"deprecated" : false,

"documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

@endreturns

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

@endreturns

"getterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@returns Returns a reference to this object so that method calls can be chained together.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Processing",
  "queryString" : false,
  "statusCode" : false,
"unmarshalledLocationName" : "Processing",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.\n
@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.\n
setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.\n
  @param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.\n
setterMethodName" : "setProcessing",
"setterModel" : {  
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
"beanStyleGetterMethodName" : "getUpgradeProcessing",
"beanStyleSetterMethodName" : "setUpgradeProcessing",
"c2jName" : "UpgradeProcessing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.\n
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}.\n
When the { @link Consumer}
completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {.@link
#upgradeProcessing(Boolean)}.
@returns Returns a reference to this object so that method calls can be chained together.

See also #upgradeProcessing(Boolean),
"deprecated" : false,
"documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code>
if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>";
@returns Returns a reference to this object so that method calls can be chained together.

},{
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeProcessing",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeProcessing",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.",
"setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>",
  "variableType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object. This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()]. When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #elasticsearchVersion(String)].

@see #elasticsearchVersion(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "Returns the value of the ElasticsearchVersion property for this object.
@return The value of the ElasticsearchVersion property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchClusterConfig",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchClusterConfig",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "SDK_POJO",

"name": "ElasticsearchClusterConfig",

"setterDocumentation": "<p>The type and number of instances in the domain cluster.</p>
@param

```
setElasticsearchClusterConfig The type and number of instances in the domain cluster.
```

"setterMethodName": "setElasticsearchClusterConfig",

"setterModel": {
  "variableDeclarationType": "ElasticsearchClusterConfig",
  "variableName": "elasticsearchClusterConfig",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": null,
  "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
},

"simple": false,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "ElasticsearchClusterConfig",
  "variableName": "elasticsearchClusterConfig",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": "<p>The type and number of instances in the domain cluster.</p>
", "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
}

"xmlNameSpaceUri": null
The `<code>EBSOptions</code>` for the specified domain. See [Configuring EBS-based Storage](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs) for more information.

When the `@link Consumer` completes, `@link EBSOptions.Builder#build()` is called immediately and its result is passed to `@link #ebsOptions(EBSOptions)`.

```
@<param name="ebsOptions">

- **ebsOptions**: a consumer that will call methods on `@link EBSOptions.Builder` avoiding the need to create one manually via `@link EBSOptions#builder()`.

When the `@link Consumer` completes, `@link EBSOptions.Builder#build()` is called immediately and its result is passed to `@link #ebsOptions(EBSOptions)`.

```

```

```
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "The <code>EBSOptions</code> for the specified domain. See [Configuring EBS-based Storage](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains-configure-ebs) for more information.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"setterDocumentation" : "The <code>EBSOptions</code> for the specified domain. See [Configuring EBS-based Storage](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains-configure-ebs) for more information.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"setterDocumentation" : "The <code>EBSOptions</code> for the specified domain. See [Configuring EBS-based Storage](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains-configure-ebs) for more information.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
"xmlNameSpaceUri" : null,
}, {
  "beanStyleGetterMethodName" : "getAccessPolicies",
  "beanStyleSetterMethodName" : "setAccessPolicies",
  "c2jName" : "AccessPolicies",
  "c2jShape" : "PolicyDocument",
  "defaultConsumerFluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>\nThis is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}.\nWhen the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #accessPolicies(String)}\n@param accessPolicies a consumer that will call methods on {link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #accessPolicies(String)",
  "deprecated" : false,
  "documentation" : "<p> IAM access policy as a JSON-formatted string.</p>\n"endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string.\n@return Returns a reference to this object so that method calls can be chained together.\n"fluentSetterMethodName" : "accessPolicies",
  "getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>\n@return IAM access policy as a JSON-formatted string.\n"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AccessPolicies",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AccessPolicies",
    "uri" : false
  },
  "idempotencyToken" : false,
IAM access policy as a JSON-formatted string.

```
@param accessPolicies
```

```java
public class SnapshotOptions {
    private String accessPolicies;

    public String getAccessPolicies() {
        return accessPolicies;
    }

    public void setAccessPolicies(String accessPolicies) {
        this.accessPolicies = accessPolicies;
    }
}
```

This is a convenience that creates an instance of the `SnapshotOptions` class, avoiding the need to create one manually. It is called immediately and its result is passed to a consumer that will call methods on the `SnapshotOptions` object. It returns a reference to this object so that method calls can be chained together.

```java
public class SnapshotOptions {
    private String accessPolicies;

    public String getAccessPolicies() {
        return accessPolicies;
    }

    public void setAccessPolicies(String accessPolicies) {
        this.accessPolicies = accessPolicies;
    }
}
```

This is a convenience that creates an instance of the `SnapshotOptions` class, avoiding the need to create one manually. It is called immediately and its result is passed to a consumer that will call methods on the `SnapshotOptions` object. It returns a reference to this object so that method calls can be chained together.

```java
public class SnapshotOptions {
    private String accessPolicies;

    public String getAccessPolicies() {
        return accessPolicies;
    }

    public void setAccessPolicies(String accessPolicies) {
        this.accessPolicies = accessPolicies;
    }
}
```

This is a convenience that creates an instance of the `SnapshotOptions` class, avoiding the need to create one manually. It is called immediately and its result is passed to a consumer that will call methods on the `SnapshotOptions` object. It returns a reference to this object so that method calls can be chained together.

```java
public class SnapshotOptions {
    private String accessPolicies;

    public String getAccessPolicies() {
        return accessPolicies;
    }

    public void setAccessPolicies(String accessPolicies) {
        this.accessPolicies = accessPolicies;
    }
}
```
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>
@return Returns a reference to this object so that method calls can be chained together."
"getterMethodName" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>
@return Returns a reference to this object so that method calls can be chained together."
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions"}
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
}],
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\nThis is a convenience that creates an instance of the [ @link VPCDerivedInfo.Builder] avoiding the need to create one manually via [ @link VPCDerivedInfo.Builder#builder()].\n\nWhen the [ @link Consumer] completes, [ @link VPCDerivedInfo.Builder#build()] is called immediately and its result is passed to [ @link VPCDerivedInfo.Builder#build()] is called immediately and its result is passed to [ @link VPCDerivedInfo.Builder#build()] is called immediately and its result is passed to [ @link VPCDerivedInfo.Builder#build()].\n\n@see #vpcOptions(VPCDerivedInfo)",
"deprecated" : false,
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@see #vpcOptions(VPCDerivedInfo)",
"fluentSetterMethodName" : "vpcOptions",

"variableGetterType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
]
"getterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html) for more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html)

@return The <code>VPCOptions</code> for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

"getterModel": {
    "returnType": "VPCDerivedInfo",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "VPCOptions",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "VPCOptions",
    "uri": false
},

"idempotencyToken": false,

"setterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html)."

@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).

"setterMethodName": "setVpcOptions",

"setterModel": {
    "variableDeclarationType": "VPCDerivedInfo",
    "variableName": "vpcOptions",
    "variableType": "VPCDerivedInfo",
    "documentation": null,
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "VPCDerivedInfo",
"variableName" : "vpcOptions",
"variableType" : "VPCDerivedInfo",
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()}. When the {@link Consumer} completes, {@link CognitoOptions.Builder#build()} is called immediately and its result is passed to {@link CognitoOptions(CognitoOptions)}.

When the {@link Consumer} completes,
{@link CognitoOptions.Builder#build()} is called immediately and its result is passed to {@link CognitoOptions(CognitoOptions)}.
@param cognitoOptions a consumer that will call methods on {@link CognitoOptions.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #cognitoOptions(CognitoOptions)",
"deprecated" : false,
"documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@return Returns a reference to this object so that method calls can be chained together.",

@link CognitoOptions#cognitoOptions(CognitoOptions)".,
"fluentSetterMethodName" : "cognitoOptions",

@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"getterModel" : {
"returnType" : "CognitoOptions",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,


@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions"
"documentation": null,
"simpleType": "CognitoOptions",
"variableSetterType": "CognitoOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"xmlNameSpaceUri": null
,

"beanStyleGetterMethodName": "getEncryptionAtRestOptions",
"beanStyleSetterMethodName": "setEncryptionAtRestOptions",
"c2jName": "EncryptionAtRestOptions",
"c2jShape": "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation": "Specifies the status of the <code>EncryptionAtRestOptions</code>. This is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}. When the {@link Consumer} completes, the result is passed to the user. If the builder is called with parameters, the user can call methods on the builder. The method calls can be chained together. Returns a reference to this object so that method calls can be chained together.
",
"deprecated": false,
"documentation": "Specifies the status of the <code>EncryptionAtRestOptions</code>.",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "encryptionAtRestOptions",
"fluentSetterDocumentation": "Specifies the status of the <code>EncryptionAtRestOptions</code>.\n@returns a reference to this object so that method calls can be chained together.\n",
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "EncryptionAtRestOptions",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "EncryptionAtRestOptions",
 "uri" : false
},
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "SDK_POJO",
 "name" : "EncryptionAtRestOptions",
 "sensitive" : false,
 "setterDocumentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>. </p>
@param encryptionAtRestOptions Specifies the status of the <code>EncryptionAtRestOptions</code>.",
 "setterMethodName" : "setEncryptionAtRestOptions",
 "setterModel" : {
 "variableDeclarationType" : "EncryptionAtRestOptions",
 "variableName" : "encryptionAtRestOptions",
 "variableType" : "EncryptionAtRestOptions",
 "documentation" : null,
 "simpleType" : "EncryptionAtRestOptions",
 "variableSetterType" : "EncryptionAtRestOptions"
 },
 "simple" : false,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "EncryptionAtRestOptions",
 "variableName" : "encryptionAtRestOptions",
 "variableType" : "EncryptionAtRestOptions",
 "documentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>. </p>"
"simpleType": "EncryptionAtRestOptions",
"variableSetterType": "EncryptionAtRestOptions"
],
"xmlNameSpaceUri": null
},
{
"beanStyleGetterMethodName": "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName": "setNodeToNodeEncryptionOptions",
"c2jName": "NodeToNodeEncryptionOptions",
"c2jShape": "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions.Builder#builder()}. When the {@link Consumer} completes, the consumer that will call methods on {@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to {@link #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}. A consumer to this object so that method calls can be chained together. Returns a reference to this object so that method calls can be chained together.

@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
"deprecated": false,
"documentation": "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>"},
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
"@param nodeToNodeEncryptionOptions Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>. Returns a reference to this object so that method calls can be chained together."
,"
"fluentSetterMethodName": "nodeToNodeEncryptionOptions",
"getterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@return Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.
"},

"getterModel": {
"returnType": "NodeToNodeEncryptionOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NodeToNodeEncryptionOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status
of the <code>NodeToNodeEncryptionOptions</code>.",
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.
<p>Specifies the status of the <code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the { @link
Map<String,String>.Builder} avoiding the need to create one manually via { @link
Map<String,String>#builder()

When the `{@link Consumer}` completes, `{@link Map<String,String>.Builder#build()}` is called immediately and its result is passed to `{@link #advancedOptions(Map<String,String>)}

`@param advancedOptions a consumer that will call methods on `{@link Map<String,String>.Builder}`

`@return Returns a reference to this object so that method calls can be chained together.

`@see #advancedOptions(Map<String,String>)`

"deprecated" : false,
"documentation" : "<p>Specifies the status of the `<code>AdvancedOptions</code>`

"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the `<code>AdvancedOptions</code>`

"getterDocumentation" : "<p>Specifies the status of the `<code>AdvancedOptions</code>`

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`.\n
"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : ["Open Source Used In SDWan 20.4.1 13536"
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
  "beanStyleGetterMethodName" : "getKey",
  "beanStyleSetterMethodName" : "setKey",
  "c2jName" : "key",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called
immediately and its result is passed to @{link #key(String)}.

@defaultConsumerFluentSetterDocumentation
@returns a reference to this object so that method calls can be chained
together.
@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.
@returns a reference to this object so that method calls can be
chained together.
@getterDocumentation
@returns The value of the Key property for this object.
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "String",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String.Builder#build()} when the {link String.Builder#build()} is called immediately and its result is passed to {link #value(String)}.\n\n@param value a consumer that will call methods on {link String.Builder}\n\n@see #value(String)",
  "deprecated": false,
  "documentation": "",
  "setterDocumentation": "Sets the value of the Value property for this object.\n\n@param value The new value of the Value property for this object.\n\nThis is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String.Builder#build()} when the {link String.Builder#build()} is called immediately and its result is passed to {link #value(String)}.\n\n@param value a consumer that will call methods on {link String.Builder}\n\n@see #value(String)"
}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns The new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@returns The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns The new value for the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "setterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns The new value for the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together."
}
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
}
"marshallType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>.
"setterMethodName" : "setAdvancedOptions",
"setModel" : {
"variableDeclarationType" : "java.util.Map<String, String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String, String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String, String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String, String>",
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
",
"xmlNameSpaceUri" : null
},
"beanStyleMethodName" : "getLogPublishingOptionsAsStrings", 

"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
This is a convenience that creates an instance of the {@link Map&lt;String,LogPublishingOption&gt;.Builder} avoiding the need to create one manually via {@link Map&lt;String,LogPublishingOption&gt;#builder()}. When the {@link Consumer} completes, {@link Map&lt;String,LogPublishingOption&gt;.Builder#build()} is called immediately and its result is passed to {@link #logPublishingOptionsAsStrings(Map&lt;String,LogPublishingOption&gt;)}. Return a reference to this object so that method calls can be chained together.<code>@see LogPublishingOptionsWithStrings(Map&lt;String,LogPublishingOption&gt;)</code>,
"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.<code>@see #logPublishingOptionsWithStrings(Map&lt;String,LogPublishingOption&gt;)</code>",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return Log publishing options for the given domain.",
"getterModel" : {
"returnType" : "java.util.Map&lt;String,LogPublishingOption&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. 

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. 

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}.

@see #key(String)

@deprecated
  @param key a consumer that will call methods on { @link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.
  @see #key(String)

  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object. 

If the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}. 

@return The value of the Key property for this object.
@see LogType",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}.

@return The value of the Key property for this object.
@see LogType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : true,
  "mapModel" : {
    "implType" : "java.util.HashMap",
    "interfaceType" : "java.util.Map",
    "keyLocationName" : "key",
    "keyModel" : {
      "beanStyleGetterMethodName" : "getKeyAsString",
      "beanStyleSetterMethodName" : "setKey",
      "c2jName" : "key",
      "c2jShape" : "LogType",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. 

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. 

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}.

@see #key(String)

@deprecated
  @param key a consumer that will call methods on { @link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.
  @see #key(String)

  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object. 

If the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}. 

@return The value of the Key property for this object.
@see LogType",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}.

@return The value of the Key property for this object.
@see LogType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "key",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "key",
"uri": false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.\n\n@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"valueLocationName": "value",
"valueModel": {
"beanStyleGetterMethodName": "getValue",
"beanStyleSetterMethodName": "setValue",
"c2jName": "value",
"c2jShape": "LogPublishingOption"
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the LogPublishingOption.Builder class avoiding the need to create one manually via LogPublishingOption#builder(). When the Consumer completes, LogPublishingOption.Builder#build() is called immediately and its result is passed to LogPublishingOption.Builder#build().

@param value a consumer that will call methods on LogPublishingOption.Builder

@see #value(LogPublishingOption)"

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.

@see #value(LogPublishingOption)"

@return Returns a reference to this object so that method calls can be chained together.

@see #value(LogPublishingOption)"

"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@see #value(LogPublishingOption)"

@return The value of the Value property for this object.

"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
   "variableDeclarationType" : "LogPublishingOption",
   "variableName" : "value",
   "variableType" : "LogPublishingOption",
   "documentation" : null,
   "simpleType" : "LogPublishingOption",
   "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "LogPublishingOption",
   "variableName" : "value",
   "variableType" : "LogPublishingOption",
   "documentation" : null,
   "simpleType" : "LogPublishingOption",
   "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>

@param logPublishingOptions Log publishing options for the given domain.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
   "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
   "variableName" : "logPublishingOptions",
   "variableType" : "java.util.Map<String,LogPublishingOption>",
   "documentation" : null,
   "simpleType" : "Map<String,LogPublishingOption>",
   "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
   "variableName" : "logPublishingOptions",
   "variableType" : "java.util.Map<String,LogPublishingOption>",
   "documentation" : null,
   "simpleType" : "Map<String,LogPublishingOption>",
   "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
"variableName": "logPublishingOptions",
"variableType": "java.util.Map<String,LogPublishingOption>",
"documentation": "<p>Log publishing options for the given domain.</p>",
"simpleType": "Map<String,LogPublishingOption>",
"variableSetterType": "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getServiceSoftwareOptions",
"beanStyleSetterMethodName": "setServiceSoftwareOptions",
"c2jName": "ServiceSoftwareOptions",
"c2jShape": "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation": "<p>The current status of the Elasticsearch domain's service software.</p>\nThis is a convenience that creates an instance of the [@link ServiceSoftwareOptions.Builder] avoiding the need to create one manually via {[@link ServiceSoftwareOptions.Builder#builder()]}\nWhen the [@link Consumer] completes, {[@link ServiceSoftwareOptions.Builder#build()]} is called immediately and its result is passed to {[@link ServiceSoftwareOptions(ServiceSoftwareOptions)}\n@param serviceSoftwareOptions a consumer that will call methods on {[@link ServiceSoftwareOptions.Builder]}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"deprecated": false,
"documentation": "<p>The current status of the Elasticsearch domain's service software.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "serviceSoftwareOptions",
"fluentSetterDocumentation": "<p>The current status of the Elasticsearch domain's service software.</p>\n@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.\n@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName": "serviceSoftwareOptions",
"getterDocumentation": "<p>The current status of the Elasticsearch domain's service software.</p>\n@param return The current status of the Elasticsearch domain's service software.\n@return "
"getterModel": {
"returnType": "ServiceSoftwareOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD"
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "The current status of the Elasticsearch domain's service software."
@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "The current status of the Elasticsearch domain's service software."
},
"xmlNameSpaceUri" : null
},

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainId", "DomainName", "ARN", "ElasticsearchClusterConfig" ],
"shapeName" : "ElasticsearchDomainStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable": {
  "variableDeclarationType": "ElasticsearchDomainStatus",
  "variableName": "elasticsearchDomainStatus",
  "variableType": "ElasticsearchDomainStatus",
  "documentation": null,
  "simpleType": "ElasticsearchDomainStatus",
  "variableSetterType": "ElasticsearchDomainStatus"
},
"wrapper": false
},
"ElasticsearchVersionStatus": {
  "c2jName": "ElasticsearchVersionStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshaller": null,
  "members": [{
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>"
  }
},
  "deprecated": false,
  "documentation": "<p>Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.<p>
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonDataValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.".

"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String"}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]{
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluent SetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus.Builder#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link status(OptionStatus)}.
@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
  "getterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
@see #status(OptionStatus)",
  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  },
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Status",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Status",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"simple": false,
"simpleType": "OptionStatus",
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
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"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
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"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
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"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
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"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"timestampFormat": null,
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. This is a convenience that creates an instance of the { [@link String.Builder] } avoiding the need to create one manually via { [@link String#builder()] } When the { [@link Consumer] } completes, { [@link String.Builder#build()] } is called immediately and its result is passed to { [@link #options(String)] } @param options a consumer that will call methods on { [@link String.Builder] } return Returns a reference to this object so that method calls can be chained together. see #options(String)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. 
</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p> <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "options",
    "getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. 
</p> <p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options"}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>\n@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to the method that will call methods on the returned object.\n\n@see #status(OptionStatus)",
  "deprecated" : false,
"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>\n@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>\n@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain."
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>\n@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain."
Elasticsearch domain.

```
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #options(String)}. a consumer that will call methods on the String.Builder@return Returns a reference to this object so that method calls can be chained together. @see #options(String)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "options",
  }
],
```

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p><n>@return Specifies the Elasticsearch version for the specified Elasticsearch domain.".

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"simple" : true,
"setterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p><n>@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.",

"setterMethodName" : "setOptions",

"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "options",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,

"variable" : {
"variableDeclarationType" : "String",
"variableName" : "options",
"value" : null
}
"variableType" : "String",
"documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>",
"complexType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link status(OptionStatus)}.<p>@param status a consumer that will call methods on { @link OptionStatus.Builder}@<br>@return Returns a reference to this object so that method calls can be chained together.  @see #status(OptionStatus)"
,
"deprecated" : false,
"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.  @see #status(OptionStatus)",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
@returns Specifications the status of the Elasticsearch version options for the specified Elasticsearch domain.
",
"getterModel" : {

"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "ElasticsearchVersionStatus",
"simpleMethod" : false,
"unmarshaller" : {
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
}
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "ElasticsearchVersionStatus",
"simpleMethod" : false,
"unmarshaller" : {
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
"flattened": false,
"resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ElasticsearchVersionStatus",
  "variableName": "elasticsearchVersionStatus",
  "variableType": "ElasticsearchVersionStatus",
  "documentation": null,
  "simpleType": "ElasticsearchVersionStatus",
  "variableSetterType": "ElasticsearchVersionStatus"
},
"wrapper": false
},
"EncryptionAtRestOptions": {
  "c2jName": "EncryptionAtRestOptions",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Specifies the Encryption At Rest Options.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshallers": null,
  "members": [
    "beanStyleGetterMethodName": "setEnabled",
    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Encryption At Rest.</p>
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}. When the { @link Consumer} completes, { @link 
Boolean.Builder#build()} is called immediately and its result is passed to { @link #enabled(Boolean)}. { @param 
enabled a consumer that will call methods on { @link Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #enabled(Boolean)",
    "deprecated": false,
"documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@param enabled
Specifies the option to enable Encryption At Rest.\n@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@return Specifies the option to enable Encryption At Rest.
",
"getterModel" : {
 "returnType" : "Boolean",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Enabled",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Enabled",
 "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@param enabled
Specifies the option to enable Encryption At Rest.\n@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getKmsKeyId",
"beanStyleSetterMethodName" : "setKmsKeyId",
"c2jName" : "KmsKeyId",
"c2jShape" : "KmsKeyId",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\nThis is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String#builder()}.\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #kmsKeyId(String)}.
\param kmsKeyId a consumer that will call methods on {\link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\see #kmsKeyId(String)\n",
"deprecated" : false,
"documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n</p>\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "kmsKeyId",
"fluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n</p>\n@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"getterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.\n</p>\nSpecifies the KMS Key ID for Encryption At Rest options.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
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  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "KmsKeyId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "KmsKeyId",
  "uri": false
},
"idempotencyToken": false,
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"marshallingType": "STRING",
"name": "KmsKeyId",
"simple": true,
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"setterDocumentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName": "setKmsKeyId",
"setterModel": {
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  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
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  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
"membersAsMap": {
  "Enabled": {
    "beanStyleGetterMethodName": "getEnabled",
    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Encryption At Rest.\nThis is a convenience that creates an instance of the \n{@link Boolean.Builder} avoiding the need to create one manually via \n{@link Boolean.Builder#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link Boolean.Builder#build()} is called immediately and its result is passed to \n{@link #enabled(Boolean)}.\n@param enabled a consumer that will call methods on \n{@link Boolean.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #enabled(Boolean)",
    "deprecated": false,
    "documentation": "<p>Specifies the option to enable Encryption At Rest.</p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "enabled",
    "fluentSetterDocumentation": "<p>Specifies the option to enable Encryption At Rest.\nSpecifies the option to enable Encryption At Rest.\n@return Specifies the option to enable Encryption At Rest.\n@return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName": "enabled",
    "getterDocumentation": "<p>Specifies the option to enable Encryption At Rest.\nSpecifies the option to enable Encryption At Rest.\n@return Specifies the option to enable Encryption At Rest.
@see #enabled(Boolean)",
    "getterModel": {
      "returnType": "Boolean",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocation": "PAYLOAD",
      "marshallLocationName": "Enabled",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "Enabled",
      "uri": false
    }
  }
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>@param enabled Specifies the option to enable Encryption At Rest.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
  "beanStyleGetterMethodName" : "getKmsKeyId",
  "beanStyleSetterMethodName" : "setKmsKeyId",
  "c2jName" : "KmsKeyId",
  "c2jShape" : "KmsKeyId",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()} \n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link KmsKeyId(String)}.\n\n@see KmsKeyId\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n@see #kmsKeyId(String)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "kmsKeyId",
"fluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param
kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "kmsKeyId",
"getterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@return
Specifies the KMS Key ID for Encryption At Rest options.",
"getterModel" : {
$returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "KmsKeyId",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param
kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.
@return
Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
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"variableName" : "kmsKeyId",
"variableType" : "String"}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "kmsKeyId",
"variableType" : "String",
"documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultValueFluidSetterDocumentation" : "<p>Specifies the option to enable Encryption At
Rest.</p>This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to
create one manually via { @link Boolean#builder() } . When the { @link Consumer } completes, { @link
Boolean.Builder#build() } is called immediately and its result is passed to { @link #enabled(Boolean) } .
@param enabled a consumer that will call methods on { @link Boolean.Builder } .
@see #enabled(Boolean)",
"deprecated" : false,
"documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@param enabled Specifies the option to enable Encryption At Rest.
@return Returns a reference to this object so that method calls can be chained together.
@see #enabled(Boolean)",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@param enabled Specifies the option to enable Encryption At Rest.",
"setterMethodName" : "setEnabled",
"setterModel" : {
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  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
].
}
"beanStyleGetterMethodName": "getKmsKeyId",
"beanStyleSetterMethodName": "setKmsKeyId",
"c2jName": "KmsKeyId",
"c2jShape": "KmsKeyId",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. \n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #kmsKeyId(String)\}. \n\n@param kmsKeyId a consumer that will call methods on \{@link String.Builder\} \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #kmsKeyId(String)",
"deprecated": false,
"documentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "kmsKeyId",
"fluentSetterDocumentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "kmsKeyId",
"getterDocumentation": "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "KmsKeyId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "KmsKeyId",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"setterDocumentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "kmsKeyId",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "kmsKeyId",
   "variableType" : "String",
   "documentation" : "<p>Specifies the KMS Key ID for Encryption At Rest options.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EncryptionAtRestOptions",
"simpleMethod" : false,
"unmarshalller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "EncryptionAtRestOptions",
   "variableName" : "encryptionAtRestOptions",
   "variableType" : "EncryptionAtRestOptions",
   "documentation" : null,
   "simpleType" : "EncryptionAtRestOptions",
   "variableSetterType" : "EncryptionAtRestOptions"
},
"wrapper" : false
"EncryptionAtRestOptionsStatus": {
  "c2jName": "EncryptionAtRestOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p> Status of the Encryption At Rest options for the specified Elasticsearch domain. </p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "EncryptionAtRestOptions",
    "defaultConsumerFluentSetterDocumentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>"
  ],
  "deprecated": false,
  "documentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "options",
  "fluentSetterDocumentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>
@link EncryptionAtRestOptions.Builder\n@see #options(EncryptionAtRestOptions)"
},
"deprecated": false,
"documentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterDocumentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>\n@link EncryptionAtRestOptions.Builder\n@see #options(EncryptionAtRestOptions)"
}
domain.

```
@javax.annotation.Nonnull
public void setOptions(EncryptionAtRestOptions options)
{
    this.options = options;
}
```

```
public EncryptionAtRestOptions getOptions()
{
    return this.options;
}
```

```
<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

```
<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
```

```
``
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "options",
"variableType" : "EncryptionAtRestOptions",
"documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>",
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the [@link OptionStatus.Builder] avoiding the need to create one manually via [@link OptionStatus#builder()].

When the [@link Consumer] completes, [@link OptionStatus.Builder#build()] is called immediately and its result is passed to [@link #status(OptionStatus)].
@see #status(OptionStatus)

@return Returns a reference to this object so that method calls can be chained together.

#status(OptionStatus)

"deprecated" : false,
"documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

#status(OptionStatus)

"getterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

#status(OptionStatus)

"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.
",

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
] 

"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
  }
}
"c2jName" : "Options",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>\nThis is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions.Builder#builder()}. When the { @link Consumer } completes, { @link EncryptionAtRestOptions.Builder#build() } is called immediately and its result is passed to { @link EncryptionAtRestOptions }.\n@param options a consumer that will call methods on { @link EncryptionAtRestOptions.Builder }\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(EncryptionAtRestOptions)",
"deprecated" : false,
"documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>
@override Specifies the Encryption At Rest options for the specified Elasticsearch domain.
@override\n@return Specifies the Encryption At Rest options for the specified Elasticsearch domain.
@see #options(EncryptionAtRestOptions)",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
List: false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.\n</p>\n@\n\n@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.\n",
"setterMethodName": "setOptions",
"setterModel": {
"variableDeclarationType": "EncryptionAtRestOptions",
"variableName": "options",
"variableType": "EncryptionAtRestOptions",
"documentation": null,
"simpleType": "EncryptionAtRestOptions",
"variableSetterType": "EncryptionAtRestOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "EncryptionAtRestOptions",
"variableName": "options",
"variableType": "EncryptionAtRestOptions",
"documentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.\n</p>\n",
"simpleType": "EncryptionAtRestOptions",
"variableSetterType": "EncryptionAtRestOptions"
},
"xmlNameSpaceUri": null
},
"Status": {
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.\n\nThis is a convenience that creates an instance of the \{ @link OptionStatus.Builder \} avoiding the need to create one manually via \{ @link OptionStatus#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link OptionStatus.Builder#build() \} is called immediately and its result is passed to \{ @link #status(OptionStatus) \}.\n\n@\n\n@param status a consumer that will call methods on \{ @link OptionStatus.Builder\}\n@\n@return Returns a reference to this object so that method calls can be chained together.\n@\n@see #status(OptionStatus)",
"deprecated": false,
"documentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.\n</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. 
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@return Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. ",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.
@return Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",}
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.";
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
]
,"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation" : "Specifies the Encryption At Rest options for the specified Elasticsearch domain.
This is a convenience that creates an instance of the EncryptionAtRestOptions.Builder avoiding the need to create one manually via EncryptionAtRestOptions#builder(). When the Consumer completes, EncryptionAtRestOptions.Builder#build() is called immediately and its result is passed to EncryptionAtRestOptions#options(EncryptionAtRestOptions)\n@param options a consumer that will call methods on EncryptionAtRestOptions\n@see #options(EncryptionAtRestOptions)",
  "deprecated" : false,
  "documentation" : "Specifies the Encryption At Rest options for the specified Elasticsearch domain.";
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "null",
  "fluentEnumSetterMethodName" : "null",
  "fluentGetterMethodName" : "options",
  "fluentSetterMethodName" : "options",
  "fluentSetterDocumentation" : "Specifies the Encryption At Rest options for the specified Elasticsearch domain.";
  "deprecated" : false,
  "documentation" : "Specifies the Encryption At Rest options for the specified Elasticsearch domain.
This is a convenience that creates an instance of the EncryptionAtRestOptions.Builder avoiding the need to create one manually via EncryptionAtRestOptions#builder(). When the Consumer completes, EncryptionAtRestOptions.Builder#build() is called immediately and its result is passed to EncryptionAtRestOptions#options(EncryptionAtRestOptions)\n@param options a consumer that will call methods on EncryptionAtRestOptions\n@see #options(EncryptionAtRestOptions)",
  "deprecated" : false,
  "documentation" : "Specifies the Encryption At Rest options for the specified Elasticsearch domain.
This is a convenience that creates an instance of the EncryptionAtRestOptions.Builder avoiding the need to create one manually via EncryptionAtRestOptions#builder(). When the Consumer completes, EncryptionAtRestOptions.Builder#build() is called immediately and its result is passed to EncryptionAtRestOptions#options(EncryptionAtRestOptions)\n@param options a consumer that will call methods on EncryptionAtRestOptions\n@see #options(EncryptionAtRestOptions)"
}];
"getterModel": {
  "returnType": "EncryptionAtRestOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>\n@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain. ",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "options",
  "variableType": "EncryptionAtRestOptions",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "options",
  "variableType": "EncryptionAtRestOptions",
  "documentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>"
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p><p>This is a convenience that creates an instance of the { @link OptionStatus.Builder } avoiding the need to create one manually via { @link OptionStatus#builder() }. When the { @link Consumer } completes, { @link OptionStatus.Builder#build() } is called immediately and its result is passed to { @link OptionStatus#status(OptionStatus) }. The parameter status is a consumer that will call methods on { @link OptionStatus.Builder } and return a reference to this object so that method calls can be chained together.<br>@see #status(OptionStatus)"
",
"deprecated" : false,
"documentation" : "Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain."",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p><p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. The parameter status specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. Returns a reference to this object so that method calls can be chained together."",
"getterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. Returns a reference to this object so that method calls can be chained together.
",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p><p>@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "EncryptionAtRestOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
"variable" : {
    "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
    "variableName" : "encryptionAtRestOptionsStatus",
    "variableType" : "EncryptionAtRestOptionsStatus",
    "documentation" : null,
    "simpleType" : "EncryptionAtRestOptionsStatus",
    "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"wrapper" : false
}],
"GetCompatibleElasticsearchVersionsRequest" : {
    "c2jName" : "GetCompatibleElasticsearchVersionsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "&lt;p&gt; Container for request parameters to &lt;code&gt;&lt;a name="GetCompatibleElasticsearchVersions"&gt;GetCompatibleElasticsearchVersions&lt;/a&gt; &lt;/code&gt; operation. &lt;/p&gt;",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : {
        "action" : "GetCompatibleElasticsearchVersions",
        "locationName" : null,
        "requestUri" : "/2015-01-01/es/compatibleVersions",
        "target" : null,
        "verb" : "GET",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        "beanStyleGetterMethodName" : "getDomainName",
        "beanStyleSetterMethodName" : "setDomainName",
        "c2jName" : "DomainName",
        "c2jShape" : "DomainName",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`.

When the `@link Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `domainName`.

@see `#domainName(String)`
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" :",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
object. This is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create
one manually via [ @link String#builder() ]. When the [ @link Consumer ] completes, [ @link
String.Builder#build() ] is called immediately and its result is passed to [ @link #domainName(String) ].
@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@see #domainName(String)"
object so that method calls can be chained together.

"getDocumentation" : "Returns the value of the DomainName property for this object.\n\n@return The value of the DomainName property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "domainName",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "DomainName",

"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object."

"setterMethodName" : "setDomainName",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {


"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.
\n@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object.\n@see #domainName(String)",
"getterDocumentation" : "Returns the value of the DomainName property for this object.\n@see #domainName(String)",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
The new value for the DomainName property for this object.

```
    @param domainName

    @param domainName
```
"variableDeclarationType" : "GetCompatibleElasticsearchVersionsRequest",
"variableName" : "getCompatibleElasticsearchVersionsRequest",
"variableType" : "GetCompatibleElasticsearchVersionsRequest",
"documentation" : null,
"simpleType" : "GetCompatibleElasticsearchVersionsRequest",
"variableSetterType" : "GetCompatibleElasticsearchVersionsRequest"
},
"wrapper" : false
},
"GetCompatibleElasticsearchVersionsResponse" : {
"c2jName" : "GetCompatibleElasticsearchVersionsResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthUnmarshall" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for response returned by <code>GetCompatibleElasticsearchVersions</code> operation.  
<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation.  

This is a convenience that creates an instance of the [link List<CompatibleVersionsMap>.Builder] avoiding the need to create one manually via [link List<CompatibleVersionsMap>#builder()].  

When the [link Consumer] completes, [link List<CompatibleVersionsMap>.Builder#build()] is called immediately and its result is passed to [link #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)].  

@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)
@deprecated false,
A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation. <p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperation exception. <p>

Returns a reference to this object so that method calls can be chained together.</p>.

A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation. <p>

A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation.

A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation.

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A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation.

A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation.
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "CompatibleVersionsMap",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ @link CompatibleVersionsMap.Builder] avoiding the need to create one manually via [ @link CompatibleVersionsMap#builder()]. When the [ @link Consumer] completes, [ @link CompatibleVersionsMap.Builder#build()] is called immediately and its result is passed to [ @link #member(CompatibleVersionsMap)] with parameter member a consumer that will call methods on [ @link CompatibleVersionsMap.Builder].

@return Returns a reference to this object so that method calls can be chained together.

@see #member(CompatibleVersionsMap)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see #member(CompatibleVersionsMap)",
"getterDocumentation" : "Returns the value of the Member property for this object.

The value of the Member property for this object.

@return The value of the Member property for this object.

@see #member(CompatibleVersionsMap)",
"getterModel" : {
    "returnType" : "CompatibleVersionsMap",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object. 

@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "CompatibleVersionsMap",
  "variableName": "member",
  "variableType": "CompatibleVersionsMap",
  "documentation": null,
  "simpleType": "CompatibleVersionsMap",
  "variableSetterType": "CompatibleVersionsMap"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CompatibleVersionsMap",
  "variableName": "member",
  "variableType": "CompatibleVersionsMap",
  "documentation": "",
  "simpleType": "CompatibleVersionsMap",
  "variableSetterType": "CompatibleVersionsMap"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "CompatibleVersionsMap",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "CompatibleVersionsMap",
"templateImplType": "java.util.ArrayList<CompatibleVersionsMap>",
"templateType": "java.util.List<CompatibleVersionsMap>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "CompatibleElasticsearchVersions",
"sensitive": false,
"setterDocumentation": "<p>A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>@param compatibleElasticsearchVersions"
A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation.

```
setterMethodName" : "setCompatibleElasticsearchVersions",
setterModel" : {
  "variableDeclarationType" : "java.util.List<CompatibleVersionsMap>",
  "variableName" : "compatibleElasticsearchVersions",
  "variableType" : "java.util.List<CompatibleVersionsMap>",
  "documentation" : null,
  "simpleType" : "List<CompatibleVersionsMap>",
  "variableSetterType" : "java.util.Collection<CompatibleVersionsMap>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<CompatibleVersionsMap>",
  "variableName" : "compatibleElasticsearchVersions",
  "variableType" : "java.util.List<Compatible VersionsMap>",
  "documentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation. </p> 
  "simpleType" : "List<CompatibleVersionsMap>",
  "variableSetterType" : "java.util.Collection<CompatibleVersionsMap>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "CompatibleElasticsearchVersions" : {
    "beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
    "beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
    "c2jName" : "CompatibleElasticsearchVersions",
    "c2jShape" : "CompatibleElasticsearchVersionsList",
    "defaultConsumerFluentSetterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation. </p> 

  "simpleType" : "List<CompatibleVersionsMap>",
  "variableSetterType" : "java.util.Collection<CompatibleVersionsMap>"
},
"deprecated" : false,
"documentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation. </p> 

  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
```

This is a convenience that creates an instance of the `{@link List<CompatibleversionsMap>.Builder} avoiding the need to create one manually via `{@link List<CompatibleVersionsMap>#builder()}`. When the `{@link Consumer} completes, {@link List<CompatibleVersionsMap>.Builder#build()} is called immediately and its result is passed to `{@link compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}

@see compatibleElasticsearchVersions(List<CompatibleVersionsMap>)"

"documentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation. </p> 

  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "compatibleElasticsearchVersions",
"fluentSetterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation. </p>
@param compatibleElasticsearchVersions A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "compatibleElasticsearchVersions",
"getterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation. </p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. </p>
@return A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation.",

"getterModel" : {
  "returnType" : "java.util.List<CompatibleVersionsMap>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CompatibleElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CompatibleElasticsearchVersions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "CompatibleVersionsMap",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [CompatibleVersionsMap.Builder] avoiding the need to create one manually via [CompatibleVersionsMap#builder()].\nWhen the [Consumer] completes, [CompatibleVersionsMap.Builder#build()] is called immediately and its result is passed to
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```{member(CompatibleVersionsMap)}

@link #member(CompatibleVersionsMap)}

@link CompatibleVersionsMap.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(CompatibleVersionsMap)

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

```

```
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "CompatibleVersionsMap",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "CompatibleVersionsMap",
"templateImplType" : "java.util.ArrayList<CompatibleVersionsMap>",
"templateType" : "java.util.List<CompatibleVersionsMap>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "CompatibleElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation."

A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation.

"setterMethodName" : "setCompatibleElasticsearchVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<CompatibleVersionsMap>"
},
"variableType" : "java.util.List<CompatibleVersionsMap>",
"documentation" : null,
"simpleType" : "List<CompatibleVersionsMap>",
"variableSetterType" : "java.util.Collection<CompatibleVersionsMap>'
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<CompatibleVersionsMap>'
"variableName" : "compatibleElasticsearchVersions",
"variableType" : "java.util.List<CompatibleVersionsMap>'
,"documentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>',
"simpleType" : "List<CompatibleVersionsMap>",
"variableSetterType" : "java.util.Collection<CompatibleVersionsMap>'

"documentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>',
"nonStreamingMembers" : [

"beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
"beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
"c2jName" : "CompatibleElasticsearchVersions",
"c2jShape" : "CompatibleElasticsearchVersionsList",
"defaultConsumerFluentSetterDocumentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
This is a convenience that creates an instance of the { @link List<CompatibleVersionsMap>.Builder} avoiding the need to create one manually via { @link List<CompatibleVersionsMap>#builder()}.

When the { @link Consumer} completes, { @link List<CompatibleVersionsMap>.Builder#build()} is called immediately and its result is passed to { @link #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}.

@para compatibleElasticsearchVersions a consumer that will call methods on { @link List<CompatibleVersionsMap>.Builder}.

@retval Returns a reference to this object so that method calls can be chained together.

@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}",
"deprecated" : false,
"documentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>',

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "compatibleElasticsearchVersions",
"fluentSetterDocumentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>',

"fluentSetterMethodName" : "compatibleElasticsearchVersions",
"getterDocumentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation.

@retval Returns a reference to this object so that method calls can be chained together.

@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}
\n"nonStreamingMembers" : [

"beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
"beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
"c2jName" : "CompatibleElasticsearchVersions",
"c2jShape" : "CompatibleElasticsearchVersionsList",
"defaultConsumerFluentSetterDocumentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
This is a convenience that creates an instance of the { @link List<CompatibleVersionsMap>.Builder} avoiding the need to create one manually via { @link List<CompatibleVersionsMap>#builder()}.

When the { @link Consumer} completes, { @link List<CompatibleVersionsMap>.Builder#build()} is called immediately and its result is passed to { @link #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}.

@para compatibleElasticsearchVersions a consumer that will call methods on { @link List<CompatibleVersionsMap>.Builder}.

@retval Returns a reference to this object so that method calls can be chained together.

@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}
\n"nonStreamingMembers" : [

"beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
"beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
"c2jName" : "CompatibleElasticsearchVersions",
"c2jShape" : "CompatibleElasticsearchVersionsList",
"defaultConsumerFluentSetterDocumentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
This is a convenience that creates an instance of the { @link List<CompatibleVersionsMap>.Builder} avoiding the need to create one manually via { @link List<CompatibleVersionsMap>#builder()}.

When the { @link Consumer} completes, { @link List<CompatibleVersionsMap>.Builder#build()} is called immediately and its result is passed to { @link #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}.

@para compatibleElasticsearchVersions a consumer that will call methods on { @link List<CompatibleVersionsMap>.Builder}.

@retval Returns a reference to this object so that method calls can be chained together.

@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}

"nonStreamingMembers" : [

"beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
"beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
"c2jName" : "CompatibleElasticsearchVersions",
"c2jShape" : "CompatibleElasticsearchVersionsList",
"defaultConsumerFluentSetterDocumentation" : '<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
This is a convenience that creates an instance of the { @link List<CompatibleVersionsMap>.Builder} avoiding the need to create one manually via { @link List<CompatibleVersionsMap>#builder()}.

When the { @link Consumer} completes, { @link List<CompatibleVersionsMap>.Builder#build()} is called immediately and its result is passed to { @link #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}.

@para compatibleElasticsearchVersions a consumer that will call methods on { @link List<CompatibleVersionsMap>.Builder}.

@retval Returns a reference to this object so that method calls can be chained together.

@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)}
Attepts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation.

"getterModel" : {
  "returnType" : "java.util.List<CompatibleVersionsMap>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CompatibleElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CompatibleElasticsearchVersions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "CompatibleVersionsMap",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [CompatibleVersionsMap.Builder] avoiding the need to create one manually via [CompatibleVersionsMap#builder()]. When the [Consumer] completes, [CompatibleVersionsMap.Builder#build()] is called immediately and its result is passed to [CompatibleVersionsMap.Builder#member()]. @param member a consumer that will call methods on [CompatibleVersionsMap]. @return Returns a reference to this object so that method calls can be chained together. @see #member(CompatibleVersionsMap)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
   "returnType" : "CompatibleVersionsMap",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "member",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "member",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "CompatibleVersionsMap",
   "variableName" : "member",
   "variableType" : "CompatibleVersionsMap",
   "documentation" : null,
"simpleType" : "CompatibleElasticsearchVersions",
"variableSetterType" : "CompatibleElasticsearchVersions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CompatibleElasticsearchVersions",
"variableName" : "member",
"variableType" : "CompatibleElasticsearchVersions",
"documentation" : "",
"simpleType" : "CompatibleElasticsearchVersions",
"variableSetterType" : "CompatibleElasticsearchVersions"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "CompatibleElasticsearchVersions",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "CompatibleElasticsearchVersions",
"templateImplType" : "java.util.ArrayList<CompatibleElasticsearchVersions>",
"templateType" : "java.util.List<CompatibleElasticsearchVersions>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "CompatibleElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>
@param compatibleElasticsearchVersions A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation.,",
"setterMethodName" : "setCompatibleElasticsearchVersions",
"setterModel" : {
"variableDeclarationType" : "java.util.List<CompatibleElasticsearchVersions>",
"variableName" : "compatibleElasticsearchVersions",
"variableType" : "java.util.List<CompatibleElasticsearchVersions>",
"documentation" : null,
"simpleType" : "List<CompatibleElasticsearchVersions>",
"variableSetterType" : "java.util.Collection<CompatibleElasticsearchVersions>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<CompatibleElasticsearchVersions>",
"variableName" : "compatibleElasticsearchVersions",
"variableType" : "java.util.List<CompatibleElasticsearchVersions>",
"documentation" : null,
"simpleType" : "List<CompatibleElasticsearchVersions>",
"variableSetterType" : "java.util.Collection<CompatibleElasticsearchVersions>"
"variableType" : "java.util.List<CompatibleVersionsMap>",
"documentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",
"simpleType" : "List<CompatibleVersionsMap>",
"variableSetterType" : "java.util.Collection<CompatibleVersionsMap>"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetCompatibleElasticsearchVersionsResponse",
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "GetCompatibleElasticsearchVersionsResponse",
    "variableName" : "getCompatibleElasticsearchVersionsResponse",
    "variableType" : "GetCompatibleElasticsearchVersionsResponse",
    "documentation" : null,
    "simpleType" : "GetCompatibleElasticsearchVersionsResponse",
    "variableSetterType" : "GetCompatibleElasticsearchVersionsResponse"
},
"wrapper" : false
},
"GetUpgradeHistoryRequest" : {
    "c2jName" : "GetUpgradeHistoryRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p> Container for request parameters to <code><a>GetUpgradeHistory</a></code> operation. </p>",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "GetUpgradeHistory",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/upgradeDomain/{DomainName}/history",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [
  
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #domainName(String)}.\n@\n@param domainName a consumer that will call methods on \n{@link String.Builder}\n@\n@return Returns a reference to this object so that method calls can be chained together.\n@see \n#domainName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThe new value for the DomainName property for this object.\n@\n@return Returns a reference to this object so that method calls can be chained together.\n",
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "Returns the value of the DomainName property for this object.\n@\n@return The value of the DomainName property for this object.\n",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
  }
}
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName
The new value for the DomainName property for this object."
,"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getMaxResults",
  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.
This is a convenience that creates an instance of the { @link Integer.Builder } avoiding the need to create
one manually via { @link Integer#builder() }. When the { @link Consumer } completes, { @link

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Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. 
@param maxResults a consumer that will call methods on { @link Integer.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults The new value for the MaxResults property for this object.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "Returns the value of the MaxResults property for this object.

@return The value of the MaxResults property for this object.
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MaxResults property for this object.
@param maxResults The new value for the MaxResults property for this object.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.\n@param nextToken a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "nextToken",
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object. The new value for the NextToken property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "Returns the value of the NextToken property for this object.\n@return The value of the NextToken property for this object."
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "queryString",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
}
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
}
],
"membersAsMap": {
  "DomainName": {
    "beanStyleGetterMethodName": "getDomainName",
    "beanStyleSetterMethodName": "setDomainName",
    "c2jName": "DomainName",
    "c2jShape": "DomainName",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.\n@param domainName a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "domainName",
    "fluentSetterDocumentation": "Sets the value of the DomainName property for this object.\nThe new value for the DomainName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "domainName",
    "getterDocumentation": "Returns the value of the DomainName property for this object.\n@return The value of the DomainName property for this object."
  }
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallILOperation": "PATH",
  "marshallILocationName": "DomainName",
  "queryString": false,
  "returnType": "String",
  "documentation": null
}
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": true,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object.

@see #setMaxResults

This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link @param Integer]<n>maxResults</n> completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link @param maxResults(Integer)].

@see #setMaxResults(Integer)"
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults The new value for the MaxResults property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "Returns the value of the MaxResults property for this object.

@return The value of the MaxResults property for this object.",
"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "maxResults",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "maxResults",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults The new value for the MaxResults property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMaxResults", The new value for the MaxResults property for this object.

"setterMethodName" : "setMaxResults".
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"NextToken": {
  "beanStyleGetterMethodName": "getNextToken",
  "beanStyleSetterMethodName": "setNextToken",
  "c2jName": "NextToken",
  "c2jShape": "NextToken",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the NextToken property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create
one manually via { @link String#builder() }.\n\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #nextToken(String) }.\n@param
nextToken a consumer that will call methods on { @link String.Builder }\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "nextToken",
  "fluentSetterDocumentation": "Sets the value of the NextToken property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create
one manually via { @link String#builder() }.\n\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #nextToken(String) }.\n@param
nextToken The new value for the NextToken property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)",
  "fluentSetterMethodName": "nextToken",
  "getterDocumentation": "Returns the value of the NextToken property for this object.\n\n@return The value of the NextToken property for this object.\n\n@see #nextToken(String)",
  "getterModel": {
    "returnType": "String"}
"documentation" : null
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  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object."
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the
{@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the
{@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #domainName(String)}. Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"xmlNameSpaceUri" : null
}
"uri" : true,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"敏感" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@code

@param domainName

The new value for the DomainName property for this object.
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
{
  "beanStyleGetterMethodName" : "getMaxResults",
  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.

This is a convenience that creates an instance of the Integer.Builder avoiding the need to create
one manually via Integer.builder(). When the Consumer completes, Integer.Builder#build() is called immediately and its result is passed to Integer#maxResults a consumer that will call methods on Integer.Builder\n@code

@link \n@see #maxResults(BigInteger)"
, "deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "Sets the value of the MaxResults property for this object.

@\param maxResults The new value for the MaxResults property for this object.
\n@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "Returns the value of the MaxResults property for this object.
\n@return The value of the MaxResults property for this object. ",
"getterModel": {
    "returnType": "Integer",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
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    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "querystring",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "maxResults",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "maxResults",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"sensitive": false,
"setterDocumentation": "Sets the value of the MaxResults property for this object.

@\param maxResults The new value for the MaxResults property for this object.
\n\n@return Returns a reference to this object so that method calls can be chained together. ",
"setterMethodName": "setMaxResults",
"setterModel": {
    "variableDeclarationType": "Integer",
    "variableName": "maxResults",
    "variableType": "Integer"
}
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
],
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #nextToken(String)

@see #nextToken(String)
@param nextToken a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@deprecated"
, "depreciated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object. Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)
@param nextToken The new value for the NextToken property for this object
@return Returns a reference to this object so that method calls can be chained together.

@deprecated"
, "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "Returns the value of the NextToken property for this object.

@return The value of the NextToken property for this object.

@deprecated"
, "getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "nextToken",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "nextToken",
"uri": false,
}
,"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object."
,"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"

},
"xmlNameSpaceUri": null
] } },
"requestSignerAware": false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "GetUpgradeHistoryRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "GetUpgradeHistoryRequest",
  "variableName" : "getUpgradeHistoryRequest",
  "variableType" : "GetUpgradeHistoryRequest",
  "documentation" : null,
  "simpleType" : "GetUpgradeHistoryRequest",
  "variableSetterType" : "GetUpgradeHistoryRequest"
},
"wrapper" : false
},
"GetUpgradeHistoryResponse" : {
  "c2jName" : "GetUpgradeHistoryResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for response returned by \<code\> <a\>GetUpgradeHistory</a> \</code\> operation. \</p\>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshallers" : [],
  "members" : {
    "beanStyleGetterMethodName" : "getUpgradeHistories",
    "beanStyleSetterMethodName" : "setUpgradeHistories",
    "c2jName" : "UpgradeHistories",
    "c2jShape" : "UpgradeHistoryList",
    "defaultConsumerFluentSetterDocumentation" : "A list of \<code\> <a\>UpgradeHistory</a> \</code\> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of \<code\> <a\>GetUpgradeHistoryResponse</a> \</code\> object. \</p\>\nThis is a convenience that creates an instance of the \{ @link List<UpgradeHistory.Builder>\} avoiding the need to create one manually via \{ @link
List<UpgradeHistory>#builder()}. When the {link Consumer} completes, {link UpgradeHistories(List<UpgradeHistory>)}. build() is called immediately and its result is passed to {link UpgradeHistories(List<UpgradeHistory>)}. Return value is a consumer that will call methods on {link UpgradeHistories(List<UpgradeHistory>)}. When the consumer completes, {link List<UpgradeHistory>.Builder#build()} is called immediately and its result is passed to {link #upgradeHistories(List<UpgradeHistory>)}. Return value is a reference to this object so that method calls can be chained together.

Upgrade or Upgrade Eligibility Check performed on a domain returned as part of {code} GetUpgradeHistoryResponse</code> object. Returns a list of <code> UpgradeHistory </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> GetUpgradeHistoryResponse </code> object.

A list of <code> UpgradeHistory </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> GetUpgradeHistoryResponse </code> object.

Attempts to modify the collection returned by this method will result in an <code> UnsupportedOperationException </code>.
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeHistory",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n{@link UpgradeHistory.Builder} avoiding the need to create one manually via \n{@link UpgradeHistory.Builder\#builder()}.\nWhen the \n{@link Consumer} completes, \n{@link UpgradeHistory.Builder\#build()} is called immediately and its result is passed to \n{@link #member(UpgradeHistory) param member a consumer that will call methods on \nUpgradeHistory.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(UpgradeHistory)\n"",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n"",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.\n\nget\n"
  }},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"templateType" : "java.util.List<UpgradeHistory>",
],
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "UpgradeHistories",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
@param upgradeHistories A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object.",
"setterMethodName" : "setUpgradeHistories",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : null,
  "simpleType" : "List<UpgradeHistory>",
  "variableSetterType" : "java.util.Collection<UpgradeHistory>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : "A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object."
},
"xmlNameSpaceUri" : null,
},

"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Pagination token that needs to be supplied to the next call to get the next page of results</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.

@see #nextToken(String)"
"deprecated" : false,
"documentation" : "Pagination token that needs to be supplied to the next call to get the next page of results</p>";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p><p>@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results</p><p>@return Returns a reference to this object so that method calls can be chained together.".",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p><p>@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results</p><p>@return Pagination token that needs to be supplied to the next call to get the next page of results",
"getterModel" : {
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  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p><p>@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results</p><p>@return Pagination token that needs to be supplied to the next call to get the next page of results",
"setterMethodName" : "setNextToken",
"setterModel" : {

"variableDeclarationType" : "String",
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"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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"variableType" : "String",
"documentation" : "Pagination token that needs to be supplied to the next call to get the next page of results",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"NextToken" : {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Pagination token that needs to be supplied to the next call to get the next page of results
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #nextToken(String). Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"deprecated" : false,
"documentation" : "Pagination token that needs to be supplied to the next call to get the next page of results",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Pagination token that needs to be supplied to the next call to get the next page of results
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterDocumentation" : "Pagination token that needs to be supplied to the next call to get the next page of results"}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"敏感" : false,
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of
results</p>
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of
results",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String"}
objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of 
<code><a>GetUpgradeHistoryResponse</a></code> object. 

@deprecated This is a convenience that creates an instance of the {
<br />
List<UpgradeHistory>#builder()}. When the [@link Consumer] completes, {
<br />
List<UpgradeHistory>.Builder#build()} is called immediately and its result is passed to {
<br />
#upgradeHistories(List<UpgradeHistory>)}. 

@throws ParameterIsRequiredException

Returns a reference to this object so that method calls can be chained together.

@see #upgradeHistories(List<UpgradeHistory>)


"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeHistories",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeHistories",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeHistory",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \{ @link UpgradeHistory.Builder \} avoiding the need to create one manually via \{ @link UpgradeHistory.Builder\}.\nWhen the \{ @link Consumer \} completes, \{ @link UpgradeHistory.Builder#build() \} is called immediately and its result is passed to \{ @link #member(UpgradeHistory) \}.\n@see #member(UpgradeHistory),\n@deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(UpgradeHistory),\n@deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.".
}
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : { 
  "returnType" : "UpgradeHistory",
  "documentation" : null
},

"http" : { 
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Member",

"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",

"setterModel" : { 
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : null,
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},

"simple" : false,

"timestampFormat" : null,

"variable" : { 
  "variableDeclarationType" : "UpgradeHistory"}
"variableName": "member",
"variableType": "UpgradeHistory",
"documentation": "",
"simpleType": "UpgradeHistory",
"variableSetterType": "UpgradeHistory"
},
"xmlNameSpaceUri": null
}
,"memberLocationName": null,
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"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "UpgradeHistory",
"templateImplType": "java.util.ArrayList<UpgradeHistory>",
"templateType": "java.util.List<UpgradeHistory>
}
,"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "UpgradeHistories",
"sensitive": false,
"setterDocumentation": "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
@param upgradeHistories A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object.",
"setterMethodName": "setUpgradeHistories",
"setterModel": {
  "variableDeclarationType": "java.util.List<UpgradeHistory>",
  "variableName": "upgradeHistories",
  "variableType": "java.util.List<UpgradeHistory>",
  "documentation": null,
  "simpleType": "List<UpgradeHistory>",
  "variableSetterType": "java.util.Collection<UpgradeHistory>",
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<UpgradeHistory>",
  "variableName": "upgradeHistories",
  "variableType": "java.util.List<UpgradeHistory>",
  "documentation": null,
  "simpleType": "List<UpgradeHistory>",
  "variableSetterType": "java.util.Collection<UpgradeHistory>"
},
"getNameSpaceUri": null
}

"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getUpgradeHistories",
    "beanStyleSetterMethodName": "setUpgradeHistories",
    "c2jName": "UpgradeHistories",
    "c2jShape": "UpgradeHistoryList",
    "defaultConsumerFluentSetterDocumentation": "A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. 

This is a convenience that creates an instance of the { @link List<UpgradeHistory>.Builder} avoiding the need to create one manually via { @link List<UpgradeHistory>#builder()}. 

When the { @link Consumer} completes, { @link List<UpgradeHistory>.Builder#build() } is called immediately and its result is passed to { @link #upgradeHistories(List<UpgradeHistory>)}. 

@see #upgradeHistories(List<UpgradeHistory>)",
"deprecated": false,
"documentation": "A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.

"getterModel": {
  "returnType": "java.util.List<UpgradeHistory>",
  "documentation": null
},

"http": {
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}
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeHistories",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeHistories",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeHistory",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link UpgradeHistory.Builder} avoiding the need to create one manually via { @link UpgradeHistory#builder()}. When the { @link Consumer} completes, { @link UpgradeHistory.Builder#build()} is called immediately and its result is passed to { @link #member(UpgradeHistory)}.

@link #member(UpgradeHistory)\n\n@see #member(UpgradeHistory)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
}
"getterModel" : {
  "returnType" : "UpgradeHistory",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayLoad" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : null,
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : "",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "UpgradeHistory",
    "variableName" : "member",
    "variableType" : "UpgradeHistory",
    "documentation" : ""]
}
"simpleType": "UpgradeHistory",
"variableSetterType": "UpgradeHistory"},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "UpgradeHistory",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "UpgradeHistory",
"templateImplType": "java.util.ArrayList<UpgradeHistory>",
"templateType": "java.util.List<UpgradeHistory>"},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "UpgradeHistories",
"sensitive": false,
"setterDocumentation": "<p>A list of <code>&lt;a&gt;UpgradeHistory&lt;/a&gt;</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>&lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt;</code> object. </p>
@param upgradeHistories A list of <code>&lt;a&gt;UpgradeHistory&lt;/a&gt;</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>&lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt;</code> object.",
"setterMethodName": "setUpgradeHistories",
"setterModel": {
  "variableDeclarationType": "java.util.List<UpgradeHistory>",
  "variableName": "upgradeHistories",
  "variableType": "java.util.List<UpgradeHistory>",
  "documentation": null,
  "simpleType": "List<UpgradeHistory>",
  "variableSetterType": "java.util.Collection<UpgradeHistory>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<UpgradeHistory>",
  "variableName": "upgradeHistories",
  "variableType": "java.util.List<UpgradeHistory>",
  "documentation": "&lt;p&gt;A list of &lt;code&gt;&lt;a&gt;UpgradeHistory&lt;/a&gt;&lt;/code&gt; objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of &lt;code&gt;&lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt;&lt;/code&gt; object.&lt;/p&gt;",
  "simpleType": "List<UpgradeHistory>",
  "variableSetterType": "java.util.Collection<UpgradeHistory>"
},
"xmlNameSpaceUri": null}
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p><p>This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #nextToken(String)].</p><p>Returns a reference to this object so that method calls can be chained together.</p>@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p><p>Pagination token that needs to be supplied to the next call to get the next page of results</p><p>Returns a reference to this object so that method calls can be chained together.</p>@see #nextToken(String)",
"getterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
@prop nextToken Pagination token that needs to be supplied to the next call to get the next page of results",
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"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
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  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetUpgradeHistoryResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
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"variable" : {
  "variableDeclarationType" : "GetUpgradeHistoryResponse",
  "variableName" : "getUpgradeHistoryResponse",
  "variableType" : "GetUpgradeHistoryResponse",
  "documentation" : null,
  "simpleType" : "GetUpgradeHistoryResponse"
"variableSetterType" : "GetUpgradeHistoryResponse"
],
"wrapper" : false
],
"GetUpgradeStatusRequest" : {
"c2jName" : "GetUpgradeStatusRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for request parameters to <code>GetUpgradeStatus</code> operation. \</p>\",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
"action" : "GetUpgradeStatus",
"locationName" : null,
"requestUri" : "/2015-01-01/es/upgradeDomain/{DomainName}/status",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #domainName(String) \}. \@param domainName a consumer that will call methods on \{ @link String.Builder \} \@return Returns a reference to this object so that method calls can be chained together. \@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
}
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "domainName",
"getterDocumentation": "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object.",
"getterModel": {
"returnType": "String",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
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"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": true
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
" sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
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"setterModel": {
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"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].
@param domainName a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object.",
"getterModel" : {
"returnType" : "String",
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  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object."

"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}.


"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

This is a convenience that creates an instance of the [{link String.Builder}] avoiding the need to create one manually via [{link String#builder()}].

When the [{link Consumer}] completes, [{link String.Builder#build()}] is called immediately and its result is passed to [{link #domainName(String)}].

@param domainName a consumer that will call methods on [{link String.Builder}]

@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

The new value for the DomainName property for this object.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
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"http" : {
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"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName

The new value for the DomainName property for this object."

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
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  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainName" ],
"shapeName" : "GetUpgradeStatusRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "GetUpgradeStatusRequest",
  "variableName" : "getUpgradeStatusRequest",
  "variableType" : "GetUpgradeStatusRequest",
  "documentation" : null,
  "simpleType" : "GetUpgradeStatusRequest",
  "variableSetterType" : "GetUpgradeStatusRequest"
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"wrapper": false
},
"GetUpgradeStatusResponse": {
  "c2jName": "GetUpgradeStatusResponse",
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
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  "deprecated": false,
  "documentation": "Container for response returned by <code>GetUpgradeStatus</code> operation. \"p\»",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
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      "beanStyleSetterMethodName": "setUpgradeStep",
      "c2jName": "UpgradeStep",
      "c2jShape": "UpgradeStep",
      "defaultConsumerFluentSetterDocumentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: \ul\»<li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li><\ul\»\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}.
\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeStepAsString(String)}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeStep(String)",
      "deprecated": false,
      "documentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: \ul\»<li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li><\ul\»",
      "endpointDiscoveryId": false,
      "enumType": "UpgradeStep",
      "eventHeader": false,
      "eventPayload": false,
      "fluentEnumGetterMethodName": "upgradeStep",
      "fluentEnumSetterMethodName": "upgradeStep",
      "fluentGetterMethodName": "upgradeStepAsString",
      "fluentSetterMethodName": "upgradeStep"
  }
},
"documentation": "\p">
"fluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n@see UpgradeStep\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStep",

"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n\nIf the service returns an enum value that is not available in the current SDK version, [@link UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link UpgradeStepAsString].\n\n\n@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n@see UpgradeStep",

"setterMethodName" : "setUpgradeStep",

"getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n\nIf the service returns an enum value that is not available in the current SDK version, [@link UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link UpgradeStepAsString].\n\n@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n@see UpgradeStep",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeStep",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "UpgradeStep",

"sensitive" : false,

"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>\n@see UpgradeStep",

"setterMethodName" : "setUpgradeStep",

"setterModel" : {

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"variableDeclarationType" : "String",
"variableName" : "upgradeStep",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeStep",
"variableType" : "String",
"documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getStepStatusAsString",
"beanStyleSetterMethodName" : "setStepStatus",
"c2jName" : "StepStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt; One of 4 statuses that a step can go through returned as part of the &lt;code&gt; &lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt; &lt;/code&gt; object. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt;&lt;/p&gt;&lt;br&gt;
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via {@link String.Builder#build()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #stepStatusAsString(String)}.

@see #stepStatus(String)
@deprecated" false,
"documentation" : "&lt;p&gt; One of 4 statuses that a step can go through returned as part of the &lt;code&gt; &lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt; &lt;/code&gt; object. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt;&lt;/p&gt;&lt;br&gt;
endpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "stepStatus",
"fluentEnumSetterMethodName" : "stepStatus",
"fluentGetterMethodName" : "stepStatusAsString",
"fluentSetterDocumentation" : "&lt;p&gt; One of 4 statuses that a step can go through returned as part of the &lt;code&gt; &lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt; &lt;/code&gt; object. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt;&lt;/p&gt;&lt;br&gt;
\n@param stepStatus
One of 4 statuses that a step can go through returned as part of the &lt;code&gt; &lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt; &lt;/code&gt; object. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt;&lt;/p&gt;\n@see #stepStatus(String)"
Succeeded with Issues</li> <li>Failed</li>

@see UpgradeStatus

return

Retina a reference to this object so that method calls can be chained together.

@see UpgradeStatus

"fluentSetterMethodName" : "stepStatus",
"getterDocumentation" : ":p One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li></ul>

If the service returns an enum value that is not available in the current SDK version, <code>@link #stepStatus</code> will return <code>@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION</code>. The raw value returned by the service is available from <code>@link #stepStatusAsString</code>.

@return One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li></ul>

@see UpgradeStatus

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StepStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StepStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StepStatus",
"sensitive" : false,
"setterDocumentation" : ":p One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li></ul>

One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul><li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li></ul>

\n\n\n@see UpgradeStatus\n

"setterMethodname": "setStepStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "stepStatus",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
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"variable": {
  "variableDeclarationType": "String",
  "variableName": "stepStatus",
  "variableType": "String",
  "documentation": "One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul>
    <li>In Progress</li>
    <li>Succeeded</li>
    <li>Succeeded with Issues</li>
    <li>Failed</li>
  </ul>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "beanStyleGetterMethodName": "getUpgradeName",
  "beanStyleSetterMethodName": "setUpgradeName",
  "c2jName": "UpgradeName",
  "c2jShape": "UpgradeName",
  "defaultConsumerFluentSetterDocumentation": "A string that describes the update briefly
  This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder#builder()].
  When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #upgradeName(String)].
  @param upgradeName a consumer that will call methods on [@link String.Builder]@return Returns a reference to this object so that method calls can be chained together.@see #upgradeName(String)",
  "deprecated": false,
  "documentation": "A string that describes the update briefly",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "upgradeName",
  "fluentSetterDocumentation": "A string that describes the update briefly
  @param upgradeName A string that describes the update briefly
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "upgradeName",
  "getterDocumentation": "A string that describes the update briefly",
  "getterMethodName": "upgradeName",
  "deprecated": false,
  "documentation": null,
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  "enumType": null,
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  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "upgradeName",
  "fluentSetterDocumentation": "A string that describes the update briefly
  @param upgradeName A string that describes the update briefly
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "upgradeName",
  "getterDocumentation": "A string that describes the update briefly"
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"sensitive" : false,
"setterDocumentation" : "<p>A string that describes the update briefly</p>\n@\n @param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>".}
"simpleType" : "String",
"variableSetterType" : "String"
]
"xmlNameSpaceUri" : null
]
"membersAsMap" : {
"StepStatus" : {
"beanStyleGetterMethodName" : "getStepStatusAsString",
"beanStyleSetterMethodName" : "setStepStatus",
"c2jName" : "StepStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder]. When the [Consumer] completes, [String.Builder.build()] is called immediately and its result is passed to [stepStatusAsString(String)].<param stepStatus a consumer that will call methods on [String.Builder] and return Returns a reference to this object so that method calls can be chained together.<p> One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> <p> This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder]. When the [Consumer] completes, [String.Builder.build()] is called immediately and its result is passed to [stepStatusAsString(String)].<param stepStatus a consumer that will call methods on [String.Builder] and return Returns a reference to this object so that method calls can be chained together.<p> One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> <p> This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder]. When the [Consumer] completes, [String.Builder.build()] is called immediately and its result is passed to [stepStatusAsString(String)].<param stepStatus a consumer that will call methods on [String.Builder] and return Returns a reference to this object so that method calls can be chained together.
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StepStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StepStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StepStatus",
"sensitive" : false,
"setterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus",
"setterMethodName" : "setStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableName": "stepStatus",
"variableType": "String",
"documentation": "<p> One of 4 statuses that a step can go through returned as part of the <code>&lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt;</code> object. The status can take one of the following values: 
</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UpgradeName": {
"beanStyleGetterMethodName": "getUpgradeName",
"beanStyleSetterMethodName": "setUpgradeName",
"c2jName": "UpgradeName",
"c2jShape": "UpgradeName",
"defaultConsumerFluentSetterDocumentation": "<p>A string that describes the update briefly</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to the
{@link UpgradeName(String)}. When the consumer completes, it is called immediately and its result is passed to the
{@link #upgradeName(String)}.
@returns a reference to this object so that method calls can be chained together.
@see #upgradeName(String)
"deprecated": false,
"documentation": "<p>A string that describes the update briefly</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "upgradeName",
"fluentSetterDocumentation": "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly
@returns a reference to this object so that method calls can be chained together.
@see #upgradeName(String)
"fluentSetterMethodName": "upgradeName",
"getterDocumentation": "<p>A string that describes the update briefly</p>
@returns a reference to this object so that method calls can be chained together.
@see #upgradeName(String)
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
" sensitive" : false,
"setterDocumentation" : "<p>A string that describes the update briefly</p>@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpgradeStep" : {
  "beanStyleGetterMethodName" : "getUpgradeStepAs"String",
  "beanStyleSetterMethodName" : "setUpgradeStep",
  "c2jName" : "UpgradeStep",
  "c2jShape" : "UpgradeStep",
  "defaultConsumerFluentSetterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snap</li><li>Upgrade</li></ul>"
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `#upgradeStepAsString(String)`. @param upgradeStep a consumer that will call methods on `String.Builder`\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #upgradeStep(String)\n\n"deprecated": false,
"documentation": "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@endpoin\n\nIf the service returns an enum value that is not available in the current SDK version, `#upgradeStep` will return `UpgradeStep#UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `#upgradeStepAsString`.
\n"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UpgradeStep",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UpgradeStep",
  "uri": false
},
"idempotencyToken": false,
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>SnapShot</li>
<li>Upgrade</li>
</ul>

@see UpgradeStep",

"setterMethodName" : "setUpgradeStep",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>SnapShot</li>
<li>Upgrade</li>
</ul>

@see UpgradeStep",

  "simpleType" : "String",
  "variableSetterType" : "String"
}

"xmlNameSpaceUri" : null
}

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getUpgradeStepAsString",
  "beanStyleSetterMethodName" : "setUpgradeStep",
  "c2jName" : "UpgradeStep",
  "c2jShape" : "UpgradeStep",
  "defaultConsumerFluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>SnapShot</li>
<li>Upgrade</li>
</ul>

@see UpgradeStep(String)

This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].

When the [ @link String.Builder] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link UpgradeStepAsString(String)].

@see UpgradeStep(String)"
"deprecated" : false,

"documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
</p>",

"endpointDiscoveryId" : false,

"enumType" : "UpgradeStep",

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : "upgradeStep",

"fluentEnumSetterMethodName" : "upgradeStep",

"fluentGetterMethodName" : "upgradeStepAsString",

"fluentSetterMethodName" : "upgradeStep",

"getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep

If the service returns an enum value that is not available in the current SDK version, [link #upgradeStep] will return [link UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [link #upgradeStepAsString].
</p>

@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeStep",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeStep",
"sensitive": false,
"setterDocumentation": "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>\n@param upgradeStep
Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>\n@see UpgradeStep",
"setterMethodName": "setUpgradeStep",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"
"beanStyleGetterMethodName": "getStepStatusAsString",
"beanStyleSetterMethodName": "setStepStatus",
"c2jName": "StepStatus",
"c2jShape": "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation": "<p> One of 4 statuses that a step can go through returned as part of the <code>&lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt;</code> object. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>\nThis is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create one manually via [ @link String#builder() ].\nWhen the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #stepStatusAsString(String) ].\n@param stepStatus a consumer that will call methods on [ @link String.Builder ]\n@see #stepStatus(String)",
"deprecated": false,
"documentation": "<p> One of 4 statuses that a step can go through returned as part of the <code>&lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt;</code> object. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>\n@see #stepStatus(String)",
"deprecated": false,
"documentation": "<p> One of 4 statuses that a step can go through returned as part of the <code>&lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt;</code> object. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>\n@see #stepStatus(String)",
"endpointDiscoveryId": false,
"enumType": "UpgradeStatus"
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "stepStatus",
"fluentEnumSetterMethodName" : "stepStatus",
"fluentGetterMethodName" : "stepStatusAsString",
"fluentSetterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. If the service returns an enum value that is not available in the current SDK version, {@link #stepStatus} will return {@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #stepStatusAsString}. Returns a reference to this object so that method calls can be chained together.

@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus",

"getterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. If the service returns an enum value that is not available in the current SDK version, {@link #stepStatus} will return {@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from

@see UpgradeStatus

@return One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object.
@see UpgradeStatus",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StepStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StepStatus",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StepStatus",
"sensitive" : false,
"setterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code>&lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt;</code> object. The status can take one of the following values: &lt;ul&gt; &lt;li&gt;In Progress&lt;/li&gt; &lt;li&gt;Succeeded&lt;/li&gt; &lt;li&gt;Succeeded with Issues&lt;/li&gt; &lt;li&gt;Failed&lt;/li&gt; &lt;/ul&gt; &lt;p&gt;&lt;/p&gt;

@see UpgradeStatus"

"setterMethodName" : "setStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : "<p>A string that describes the update briefly</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#build()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeName(String)}.&lt;p&gt;&lt;param name="upgradeName" type="String"&gt;&lt;/param&gt;&lt;/p&gt;

@return Returns a reference to this object so that method calls can be chained together.&lt;p&gt;&lt;see upgradeName(String)"&gt;&lt;param name="upgradeName" type="String"&gt;&lt;/param&gt;&lt;/p&gt;

"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"simpleType": "String",
"variableSetterType": "String",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": "<p>A string that describes the update briefly</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "GetUpgradeStatusResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "GetUpgradeStatusResponse",
  "variableName": "getUpgradeStatusResponse",
  "variableType": "GetUpgradeStatusResponse",
  "documentation": null,
  "simpleType": "GetUpgradeStatusResponse",
  "variableSetterType": "GetUpgradeStatusResponse"
},
"wrapper": false
},
"InstanceCountLimits": {
  "c2jName": "InstanceCountLimits",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>InstanceCountLimits represents the limits on number of instances that be created in Amazon Elasticsearch for given InstanceType. </p>",
  "endpointDiscovery": null,
  "enums": null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getMinimumInstanceCount",
  "beanStyleSetterMethodName" : "setMinimumInstanceCount",
  "c2jName" : "MinimumInstanceCount",
  "c2jShape" : "MinimumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this
  object.\n  This is a convenience that creates an instance of the [ @link Integer.Builder] avoiding the need to create
  one manually via [ @link Integer#builder()].\n  When the [ @link Consumer] completes, [ @link
  Integer.Builder#build()] is called immediately and its result is passed to [ @link
  #minimumInstanceCount(Integer)].\n  @param minimumInstanceCount a consumer that will call methods on [ @link
  Integer.Builder]\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see
  #minimumInstanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "minimumInstanceCount",
  "fluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this
  object.\n  @param minimumInstanceCount The new value for the MinimumInstanceCount property for this
  object.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "minimumInstanceCount",
  "getterDocumentation" : "Returns the value of the MinimumInstanceCount property for this object.\n  @return The value of the MinimumInstanceCount property for this object.",
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "MinimumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinimumInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\n@param
minimumInstanceCount The new value for the MinimumInstanceCount property for this object.\n",
"setterMethodName" : "setMinimumInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getMaximumInstanceCount",
  "beanStyleSetterMethodName" : "setMaximumInstanceCount",
  "c2jName" : "MaximumInstanceCount",
  "c2jShape" : "MaximumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n\nThis is a convenience that creates an instance of the [\link Integer.Builder] avoiding the need to create
one manually via `{@link Integer.Builder#build()}`. When the `{@link Consumer} completes, `{@link Integer.Builder#build()} is called immediately and its result is passed to `{@link #maximumInstanceCount(Integer)}`.  

```
@parab maximumInstanceCount a consumer that will call methods on `{@link Integer.Builder}`
@return Returns a reference to this object so that method calls can be chained together.

@see #maximumInstanceCount(Integer)"
```

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maximumInstanceCount",
"fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.

@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "maximumInstanceCount",
"getterDocumentation" : "Returns the value of the MaximumInstanceCount property for this object."

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "MaximumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MaximumInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER"
"name" : "MaximumInstanceCount",
"setterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.

@name @param maximumInstanceCount

The new value for the MaximumInstanceCount property for this object.",
"setterMethodName" : "setMaximumInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maximumInstanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maximumInstanceCount",
"variableType" : "Integer",
"documentation" : 
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"MaximumInstanceCount" : {
"beanStyleGetterMethodName" : "getMaximumInstanceCount",
"beanStyleSetterMethodName" : "setMaximumInstanceCount",
"c2jName" : "MaximumInstanceCount",
"c2jShape" : "MaximumInstanceCount",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for
this object.

This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to
create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link
Integer.Builder#build()} is called immediately and its result is passed to { @link
#maximumInstanceCount(Integer)}. A reference to this object so that method calls can be chained
together.

@see #maximumInstanceCount(Integer)",
"deprecated" : false,
"documentation" : 
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maximumInstanceCount",
"fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this
object.

@param maximumInstanceCount The new value for the MaximumInstanceCount property for this
object.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "maximumInstanceCount",
"getterDocumentation" : "Returns the value of the MaximumInstanceCount property for this object.

The value of the MaximumInstanceCount property for this object.

"getterModel" : {
   "returnType" : "Integer",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallILOcation" : "PAYLOAD",
   "marshallLocationName" : "MaximumInstanceCount",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "MaximumInstanceCount",
   "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaximumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object."

"setterMethodName" : "setMaximumInstanceCount",
"setterModel" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "maximumInstanceCount",
   "variableType" : "Integer",
   "documentation" : null,
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maximumInstanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"MinimumInstanceCount" : {
  "beanStyleGetterMethodName" : "getMinimumInstanceCount",
  "beanStyleSetterMethodName" : "setMinimumInstanceCount",
  "c2jName" : "MinimumInstanceCount",
  "c2jShape" : "MinimumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\nThis is a convenience that creates an instance of the \n{@link Integer.Builder} avoiding the need to create one manually via \n{@link Integer.Builder\#builder()}.\n\nWhen the \n{@link Integer.Builder\#build()} is called immediately and its result is passed to \n{@link #minimumInstanceCount(Integer)} a consumer that will call methods on \n{@link Integer.Builder}\n\n@see #minimumInstanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "minimumInstanceCount",
  "fluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\n@see minimumInstanceCount(The new value for the MinimumInstanceCount property for this object.\n\n@see #minimumInstanceCount(Integer)",
  "getterDocumentation" : "Returns the value of the MinimumInstanceCount property for this object.\n\n@return The value of the MinimumInstanceCount property for this object."
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "MinimumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinimumInstanceCount",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\n@param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.",
"setterMethodName" : "setMinimumInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getMinimumInstanceCount",
  "beanStyleSetterMethodName" : "setMinimumInstanceCount",
  "c2jName" : "MinimumInstanceCount",
  "c2jShape" : "MinimumInstanceCount",
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "INTEGER",
  "name" : "MinimumInstanceCount",
  "sensitive" : false,
  "setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n\n@param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.",
  "setterMethodName" : "setMinimumInstanceCount",
  "setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "minimumInstanceCount",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "minimumInstanceCount",
    "variableType" : "Integer",
    "documentation" : "",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  }
}]}
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object. This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()]. When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #minimumInstanceCount(Integer)].

@param minimumInstanceCount a consumer that will call methods on [@link Integer.Builder]
@return Returns a reference to this object so that method calls can be chained together.

@see #minimumInstanceCount(Integer)"

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "minimumInstanceCount",
"fluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.

@param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.
@return Returns a reference to this object so that method calls can be chained together.

@see #minimumInstanceCount(Integer)"

"fluentSetterMethodName" : "minimumInstanceCount",
"getterDocumentation" : "Returns the value of the MinimumInstanceCount property for this object."

getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "MinimumInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinimumInstanceCount",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object. @param minimumInstanceCount The new value for the MinimumInstanceCount property for this object."
"setterMethodName" : "setMinimumInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getMaximumInstanceCount",
"beanStyleSetterMethodName" : "setMaximumInstanceCount",
"c2jName" : "MaximumInstanceCount",
"c2jShape" : "MaximumInstanceCount",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object. This is a convenience that creates an instance of the Integer.Builder avoiding the need to create one manually via Integer.Builder(). When the Consumer completes, Integer.Builder#build() is called immediately and its result is passed to MaximumInstanceCount a consumer that will call methods on Integer.Builder\n\n@see MaximumInstanceCount\n@deprecated false,\n"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maximumInstanceCount",
"fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maximumInstanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceCountLimits",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "InstanceCountLimits",
  "variableName" : "instanceCountLimits",
  "variableType" : "InstanceCountLimits",
  "documentation" : null,
  "simpleType" : "InstanceCountLimits",
  "variableSetterType" : "InstanceCountLimits"
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"wrapper" : false
},
"InstanceLimits" : {
  "c2jName" : "InstanceLimits",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>InstanceLimits represents the list of instance related attributes that are available for given InstanceType. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  
  "beanStyleGetterMethodName" : "getInstanceCountLimits",
  "beanStyleSetterMethodName" : "setInstanceCountLimits",
  "c2jName" : "InstanceCountLimits",
  "c2jShape" : "InstanceCountLimits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.\nThis is a convenience that creates an instance of the [@link InstanceCountLimits.Builder] avoiding the
need to create one manually via [@link InstanceCountLimits#builder()].\nWhen the [@link Consumer]
completes, [@link InstanceCountLimits.Builder#build()] is called immediately and its result is passed to [@link
#instanceCountLimits(InstanceCountLimits)].\n@param instanceCountLimits a consumer that will call methods on
[@link InstanceCountLimits.Builder]\n@return Returns a reference to this object so that method calls can be
chained together.\n@see #instanceCountLimits(InstanceCountLimits)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "instanceCountLimits",
  "fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.\nThe new value for the InstanceCountLimits property for this object.\n@param instanceCountLimits The new value for the InstanceCountLimits property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "instanceCountLimits",
  "getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.\n@return The value of the InstanceCountLimits property for this object.",
  "getterModel" : {
    "returnType" : "InstanceCountLimits",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "InstanceCountLimits",
    "queryString" : false,
  }
]
"statusCode" : false,
"unmarshallLocationName" : "InstanceCountLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_PoJO",
"name" : "InstanceCountLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@param instanceCountLimits The new value for the InstanceCountLimits property for this object.

@return
".setterMethodName" : "setInstanceCountLimits",
"setterModel" : {
"variableDeclarationType" : "InstanceCountLimits",
"variableName" : "instanceCountLimits",
"variableType" : "InstanceCountLimits",
"documentation" : null,
"simpleType" : "InstanceCountLimits",
"variableSetterType" : "InstanceCountLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "InstanceCountLimits",
"variableName" : "instanceCountLimits",
"variableType" : "InstanceCountLimits",
"documentation" : "",
"simpleType" : "InstanceCountLimits",
"variableSetterType" : "InstanceCountLimits"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"InstanceCountLimits" : {
"beanStyleGetterMethodName" : "getInstanceCountLimits",
"beanStyleSetterMethodName" : "setInstanceCountLimits",
"c2jName" : "InstanceCountLimits",
"c2jShape" : "InstanceCountLimits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

This is a convenience that creates an instance of the [InstanceCountLimits.Builder] avoiding the need to create one manually via [InstanceCountLimits#builder()].

When the [Consumer] completes, [InstanceCountLimits.Builder#build()] is called immediately and its result is passed to [InstanceCountLimits(InstanceCountLimits)].

@returns
"@param instanceCountLimits a consumer that will call methods on

Open Source Used In SD Wan 20.4.1 13669"
{ @link InstanceCountLimits.Builder}}@return Returns a reference to this object so that method calls can be chained together.@see #instanceCountLimits(InstanceCountLimits)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCountLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object."

@paramref instanceCountLimits The new value for the InstanceCountLimits property for this object.

@returns A reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "instanceCountLimits",
"getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.

@returns The value of the InstanceCountLimits property for this object.

"getterModel" : {
  "returnType" : "InstanceCountLimits",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "InstanceCountLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceCountLimits",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceCountLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@paramref
instanceCountLimits The new value for the InstanceCountLimits property for this object.
,"setterMethodName" : "setInstanceCountLimits",
"setterModel" : {
"variableDeclarationType" : "InstanceCountLimits",
"variableName" : "instanceCountLimits",
"variableType" : "InstanceCountLimits",
"documentation" : null,
"simpleType" : "InstanceCountLimits",
"variableSetterType" : "InstanceCountLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "InstanceCountLimits",
"variableName" : "instanceCountLimits",
"variableType" : "InstanceCountLimits",
"documentation" : null,
"simpleType" : "InstanceCountLimits",
"variableSetterType" : "InstanceCountLimits"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ [ 
"beanStyleGetterMethodName" : "getInstanceCountLimits",
"beanStyleSetterMethodName" : "setInstanceCountLimits",
"c2jName" : "InstanceCountLimits",
"c2jShape" : "InstanceCountLimits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.
This is a convenience that creates an instance of the [link InstanceCountLimits.Builder] avoiding the need to create one manually via [link InstanceCountLimits#builder()].
When the [link Consumer] completes, [link InstanceCountLimits.Builder#build()] is called immediately and its result is passed to [link InstanceCountLimits(InstanceCountLimits)].
@Deprecated @param instanceCountLimits a consumer that will call methods on [link InstanceCountLimits.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #instanceCountLimits(InstanceCountLimits)"
,"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCountLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.
@param instanceCountLimits The new value for the InstanceCountLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "instanceCountLimits",
"xmlNameSpaceUri" : null
]
"getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.

@return The value of the InstanceCountLimits property for this object.",
"getterModel" : {
   "returnType" : "InstanceCountLimits",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "InstanceCountLimits",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "InstanceCountLimits",
   "uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
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"name" : "InstanceCountLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@param instanceCountLimits The new value for the InstanceCountLimits property for this object.

@methodName setInstanceCountLimits",
"setterMethodName" : "setInstanceCountLimits",
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   "variableType" : "InstanceCountLimits",
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   "simpleType" : "InstanceCountLimits",
   "variableSetterType" : "InstanceCountLimits"
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   "variableType" : "InstanceCountLimits",
   "documentation" : null,
   "simpleType" : "InstanceCountLimits",
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"documentation" : "",
"simpleType" : "InstanceCountLimits",
"variableSetterType" : "InstanceCountLimits"
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  "documentation" : null,
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
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"wrapper" : false
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"InternalException" : {
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  "customization" : {
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    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "InternalException",
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  "explicitEventPayloadMember" : null,
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  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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"nonStreamingMembers" : [ ],
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"required" : null,
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"simpleMethod" : false,
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  "simpleType" : "InternalException",
  "variableSetterType" : "InternalException"
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  "deprecated" : false,
  "documentation" : "<p>An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "InvalidTypeException",
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  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
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"simpleMethod" : false,
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  "variableSetterType" : "InvalidTypeException"
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"wrapper" : false
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    "skipGeneratingUnmarshaller" : false,
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  "deprecated" : false,
  "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "LimitExceededException",
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  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
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  "variableType" : "LimitExceeded Exception",
  "documentation" : null,
  "simpleType" : "LimitExceeded Exception",
  "variableSetterType" : "LimitExceeded Exception"
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    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Limits for given InstanceType and for each of it's role. <br/> Limits contains following
<code> <a>StorageTypes,</a> </code> <code> <a>InstanceLimits</a> </code> and <code> <a>AdditionalLimits</a> </code> </p>
  "endpointDiscovery" : null,
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  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
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    "beanStyleSetterMethodName" : "setStorageTypes",
    "c2jName" : "StorageTypes",
    "c2jShape" : "StorageTypeList",
    "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <br/> This is a convenience that creates an instance of the
{@link List<StorageType>.Builder} avoiding the need to create one manually via {@link List<StorageType>#builder()}.<br> When the {@link Consumer} completes, {@link List<StorageType>.Builder#build()} is called immediately and its result is passed to
{@link #storageTypes(List<StorageType>)}.<br> @param storageTypes a consumer that will call methods on
{@link List<StorageType>.Builder}@return Returns a reference to this object so that method calls can be chained
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  "documentation" : null,
  "simpleType" : "LimitExceeded Exception",
  "variableSetterType" : "LimitExceeded Exception"
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"Limits" : {
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  "customization" : {
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    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Limits for given InstanceType and for each of it's role. <br/> Limits contains following
<code> <a>StorageTypes,</a> </code> <code> <a>InstanceLimits</a> </code> and <code> <a>AdditionalLimits</a> </code> </p>
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  "hasPayloadMember" : false,
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  "hasStreamingMember" : false,
  "httpStatusCode" : null,
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    "beanStyleSetterMethodName" : "setStorageTypes",
    "c2jName" : "StorageTypes",
    "c2jShape" : "StorageTypeList",
    "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <br/> This is a convenience that creates an instance of the
{@link List<StorageType>.Builder} avoiding the need to create one manually via {@link List<StorageType>#builder()}.<br> When the {@link Consumer} completes, {@link List<StorageType>.Builder#build()} is called immediately and its result is passed to
{@link #storageTypes(List<StorageType>)}.<br> @param storageTypes a consumer that will call methods on
{@link List<StorageType>.Builder}@return Returns a reference to this object so that method calls can be chained
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  "documentation" : null,
  "simpleType" : "LimitExceeded Exception",
  "variableSetterType" : "LimitExceeded Exception"
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"wrapper" : false
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  "documentation" : "<p>Limits for given InstanceType and for each of it's role. <br/> Limits contains following
<code> <a>StorageTypes,</a> </code> <code> <a>InstanceLimits</a> </code> and <code> <a>AdditionalLimits</a> </code> </p>
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  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [ {
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    "beanStyleSetterMethodName" : "setStorageTypes",
    "c2jName" : "StorageTypes",
    "c2jShape" : "StorageTypeList",
    "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <br/> This is a convenience that creates an instance of the
{@link List<StorageType>.Builder} avoiding the need to create one manually via {@link List<StorageType>#builder()}.<br> When the {@link Consumer} completes, {@link List<StorageType>.Builder#build()} is called immediately and its result is passed to
{@link #storageTypes(List<StorageType>)}.<br> @param storageTypes a consumer that will call methods on
{@link List<StorageType>.Builder}@return Returns a reference to this object so that method calls can be chained
"unmarshaller" : null,
@see #storageTypes(List<StorageType>)

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documentation : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
endpointDiscoveryId : false,
enumType : null,
eventHeader : false,
eventPayload : false,
fluentEnumGetterMethodName" : null,
fluentEnumSetterMethodName" : null,
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fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.
@return Returns a reference to this object so that method calls can be chained together."
fluentSetterMethodName" : "storageTypes",
getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return StorageType represents the list of storage related types and attributes that are available for given InstanceType."
getterModel" : {
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documentation" : null
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"returnType" : "java.util.List<StorageType>",
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  "greedy" : false,
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  "marshallLocationName" : "StorageTypes",
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  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypes",
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  "listMemberModel" : {

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  "greedy" : false,
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  "marshallLocationName" : "StorageTypes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypes",
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"jsonValue" : false,
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"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {

"returnType" : "java.util.List<StorageType>",
documentation" : null
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  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "StorageType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link StorageType.Builder } avoiding the need to create one manually via { @link StorageType#builder() }. When the { @link Consumer } completes, { @link StorageType.Builder#build() } is called immediately and its result is passed to { @link StorageType.Builder#member(StorageType) }.\n\n@see #member(StorageType)
@returns Returns a reference to this object so that method calls can be chained together.\n\n@deprecated : false,
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"eventHeader" : false,
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"fluentEnumGetterMethodName" : null,
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"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.\",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object.
getterModel" : {
  "returnType" : "StorageType",
  "documentation" : null
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"http" : {
  "additionalMarshallingPath" : null,
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  "location" : null,
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  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
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  "uri" : false
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"isBinary" : false,
"jsonValue": false,
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"listModel": null,
"map": false,
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"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object. 
@param member The new value for the Member property for this object. ",
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  "documentation": null,
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  "variableSetterType": "StorageType"
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  "documentation": "",
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  "variableSetterType": "StorageType"
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"map": false,
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"simpleType": "StorageType",
"templateImplType": "java.util.ArrayList<StorageType>",
"templateType": "java.util.List<StorageType>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StorageTypes",
"sensitive": false,
"setterDocumentation": "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>\n@param storageTypes StorageType represents the list of storage related
types and attributes that are available for given InstanceType."

"setterMethodName" : "setStorageTypes",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<StorageType>",
  "variableName" : "storageTypes",
  "variableType" : "java.util.List<StorageType>",
  "documentation" : null,
  "simpleType" : "List<StorageType>",
  "variableSetterType" : "java.util.Collection<StorageType>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<StorageType>",
  "variableName" : "storageTypes",
  "variableType" : "java.util.List<StorageType>",
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>

"simpleType" : "List<StorageType>",
"variableSetterType" : "java.util.Collection<StorageType>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getInstanceLimits",
"beanStyleSetterMethodName" : "setInstanceLimits",
"c2jName" : "InstanceLimits",
"c2jShape" : "InstanceLimits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n\nThis is a convenience that creates an instance of the { @link InstanceLimits.Builder} avoiding the need to create one manually via { @link InstanceLimits#builder()}.\n\nWhen the { @link Consumer} completes, { @link InstanceLimits.Builder#build()} is called immediately and its result is passed to { @link InstanceLimits(InstanceLimits)}.\n\n@param instanceLimits a consumer that will call methods on { @link InstanceLimits.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #instanceLimits(InstanceLimits)"
,"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n\n@param instanceLimits The new value for the InstanceLimits property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "instanceLimits",
"getterDocumentation" : "Returns the value of the InstanceLimits property for this object.\n\n@return The value
of the InstanceLimits property for this object.

    "getterModel": {
        "returnType": "InstanceLimits",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocation": "PAYLOAD",
        "marshallLocationName": "InstanceLimits",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "InstanceLimits",
        "uri": false
    },
    "idempotencyToken": false,
    "isBinary": false,
    "jsonValue": false,
    "list": false,
    "listModel": null,
    "map": false,
    "mapModel": null,
    "marshallingType": "SDK_POJO",
    "name": "InstanceLimits",
    "simple": false,
    "setterDocumentation": "Sets the value of the InstanceLimits property for this object.

    @param instanceLimits The new value for the InstanceLimits property for this object.
    
    @param.setName "setInstanceLimits",
    "setterModel": {
        "variableDeclarationType": "InstanceLimits",
        "variableName": "instanceLimits",
        "variableType": "InstanceLimits",
        "documentation": null,
        "simpleType": "InstanceLimits",
        "variableSetterType": "InstanceLimits"
    },
    "simple": false,
    "timestampFormat": null,
    "variable": {
        "variableDeclarationType": "InstanceLimits",
        "variableName": "instanceLimits",
        "variableType": "InstanceLimits",
        "variableType": "InstanceLimits"}
List of additional limits that are specific to a given InstanceType and for each of its InstanceRole.
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusName" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "AdditionalLimit",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n\nThis is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}.\n\n\nWhen the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.\n\n\n@param member a consumer that will call methods on { @link AdditionalLimit.Builder}\n\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(AdditionalLimit)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n\n@param member The new value for the Member property for this object.\n\n\n@return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n\n@return The value of the Member property for this object."
  "getterModel" : {
    "returnType" : "AdditionalLimit",
    "documentation" : null
  },
  "http" : {"isStreaming" : false,
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName": "setMember",
"setterModel": {
 "variableDeclarationType": "AdditionalLimit",
 "variableName": "member",
 "variableType": "AdditionalLimit",
 "documentation": null,
 "simpleType": "AdditionalLimit",
 "variableSetterType": "AdditionalLimit"
},
"simple": false,
"timestampFormat": null,
"variable": {
 "variableDeclarationType": "AdditionalLimit",
 "variableName": "member",
 "variableType": "AdditionalLimit",
 "documentation": "",
 "simpleType": "AdditionalLimit",
 "variableSetterType": "AdditionalLimit"
},
"xmlNameSpaceUri": null}
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"sensitive" : false,
"setterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. 
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. 

setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. 

setterMethodName" : "getAdditionalLimits",
"setterModel" : {
  "beanStyleGetterMethodName" : "getAdditionalLimits",
  "beanStyleSetterMethodName" : "setAdditionalLimits",
  "c2jName" : "AdditionalLimits",
  "c2jShape" : "AdditionalLimitList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. 

This is a convenience that creates an
instance of the `@link List<AdditionalLimit>.Builder` avoiding the need to create one manually via `@link List<AdditionalLimit>#builder()`. When the `@link List<AdditionalLimit>(List<AdditionalLimit>)` is called immediately and its result is passed to `@link List<AdditionalLimit>.Builder#build()`.

When the `@link Consumer` completes, `@link List<AdditionalLimit>.Builder#build()` is called immediately and its result is passed to `@link #additionalLimits(List<AdditionalLimit>)`.

```
@link List<AdditionalLimit> additionalLimits

List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code>.

@link List<AdditionalLimit> additionalLimits

List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code>.

List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code>.
```

```

@link List<AdditionalLimit> additionalLimits

List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code>.

List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code>.

List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code>.
```
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "AdditionalLimit",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{@link AdditionalLimit.Builder\} avoiding the need to create one manually via \{@link AdditionalLimit#builder()\}. When the \{@link Consumer\} completes, \{@link AdditionalLimit.Builder#build()\} is called immediately and its result is passed to \{@link #member(AdditionalLimit)\}. \n
@param member a consumer that will call methods on \{@link AdditionalLimit.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(AdditionalLimit)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "member",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.

The new value for the Member property for this object.\n\n@param member The value of the Member property for this object.\n@return Returns the value of the Member property for this object."
,  "getterModel": {
    "returnType": "AdditionalLimit",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "member",
    "queryString": false,
    "statusCode": false,
    "statusMessage": null
  }
}
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : null,
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : "",
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>"
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"map" : false,
"mapModel" : null,
"marshallingType": "LIST",
"name": "AdditionalLimits",
"sensitive": false,
"setterDocumentation": "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . </p>
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> .",
"setterMethodName": "setAdditionalLimits",
"setterModel": {
   "variableDeclarationType": "java.util.List<AdditionalLimit>",
   "variableName": "additionalLimits",
   "variableType": "java.util.List<AdditionalLimit>",
   "documentation": null,
   "simpleType": "List<AdditionalLimit>",
   "variableSetterType": "java.util.Collection<AdditionalLimit>"
},
"simple": false,
"timestampFormat": null,
"variable": {
   "variableDeclarationType": "java.util.List<AdditionalLimit>",
   "variableName": "additionalLimits",
   "variableType": "java.util.List<AdditionalLimit>",
   "documentation": "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . </p>",
   "simpleType": "List<AdditionalLimit>",
   "variableSetterType": "java.util.Collection<AdditionalLimit>"
},
"xmlNameSpaceUri": null
},
"InstanceLimits": {
   "beanStyleGetterMethodName": "getInstanceLimits",
   "beanStyleSetterMethodName": "setInstanceLimits",
   "c2jName": "InstanceLimits",
   "c2jShape": "InstanceLimits",
   "defaultConsumerFluentSetterDocumentation": "Sets the value of the InstanceLimits property for this object.

This is a convenience that creates an instance of the [@link InstanceLimits.Builder] avoiding the need to create one manually via [@link InstanceLimits#builder()].

When the [@link Consumer] completes, [@link InstanceLimits.Builder#build()] is called immediately and its result is passed to [@link InstanceLimits(InstanceLimits)].

@link param instanceLimits a consumer that will call methods on [@link InstanceLimits.Builder] @return Returns a reference to this object so that method calls can be chained together.
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "instanceLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.

@param
instanceLimits The new value for the InstanceLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceLimits",
"getterDocumentation" : "Returns the value of the InstanceLimits property for this object.

@return The value of the InstanceLimits property for this object.",
"getterModel" : {
"returnType" : "InstanceLimits",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPAYLoad" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceLimits",
"setterDocumentation" : "Sets the value of the InstanceLimits property for this object.

@param
instanceLimits The new value for the InstanceLimits property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setInstanceLimits",
"setterModel" : {
"variableDeclarationType" : "InstanceLimits",
"variableName" : "instanceLimits",
"variableType" : "InstanceLimits",
"documentation" : null,
"simpleType" : "InstanceLimits",
"variableSetterType" : "InstanceLimits"
}"
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : "",
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
},
"xmlnsNameSpaceUri" : null
},
"StorageTypes" : {
  "beanStyleGetterMethodName" : "getStorageTypes",
  "beanStyleSetterMethodName" : "setStorageTypes",
  "c2jName" : "StorageTypes",
  "c2jShape" : "StorageTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType.  
This is a convenience that creates an instance of the 
{@link List<StorageType>.Builder} avoiding the need to create one manually via 
{@link List<StorageType>#builder()}.

When the {@link Consumer} completes, 
{@link List<StorageType>.Builder#build()} is called immediately and its result is passed to 
{@link @param storageTypes a consumer that will call methods on 
{@link List<StorageType>.Builder#build()} to this object so that method calls can be chained together.  
@see #storageTypes(List<StorageType>)},

  "deprecated" : false,
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType.  
</p>"",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypes",
  "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType.  
Attempts to modify the collection returned by this method will result 
in an UnsupportedOperationException.  
</p>"",
  "getterModel" : {
    "returnType" : "java.util.List<StorageType>",
    "documentation" : null
  }
},
"getterDocumentation": "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.",
"getterModel": {
"returnType": "StorageType",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "StorageType",
"variableName": "member",
"variableType": "StorageType",
"documentation": null,
"simpleType": "StorageType",
"variableSetterType": "StorageType"
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"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "StorageType",
"variableName": "member"}
"variableType" : "StorageType",
"documentation" : "",
"simpleType" : "StorageType",
"variableSetterType" : "StorageType"
],
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "StorageType",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>",
"templateType" : "java.util.List<StorageType>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypes",
"sensitive" : false,
"setterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.",
"setterMethodName" : "setStorageTypes",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<StorageType>",
 "variableName" : "storageTypes",
 "variableType" : "java.util.List<StorageType>",
 "documentation" : null,
 "simpleType" : "List<StorageType>",
 "variableSetterType" : "java.util.Collection<StorageType>"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<StorageType>",
 "variableName" : "storageTypes",
 "variableType" : "java.util.List<StorageType>",
 "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
 "simpleType" : "List<StorageType>",
 "variableSetterType" : "java.util.Collection<StorageType>"
 },
"xmlNameSpaceUri" : null
}
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getStorageTypes",
  "beanStyleSetterMethodName" : "setStorageTypes",
  "c2jName" : "StorageTypes",
  "c2jShape" : "StorageTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
  
  This is a convenience that creates an instance of the { @link List<StorageType>.Builder} avoiding the need to create one manually via { @link List<StorageType>#builder()}. When the { @link Consumer} completes, { @link List<StorageType>.Builder#build()} is called immediately and its result is passed to { @link #storageTypes(List<StorageType>)}.  
  
  @param storageTypes a consumer that will call methods on { @link List<StorageType>.Builder}  
  
  @return Returns a reference to this object so that method calls can be chained together.  
  
  @see #storageTypes(List<StorageType>)",
  "deprecated" : false,
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypes",
  "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
  
  StorageType represents the list of storage related types and attributes that are available for given InstanceType. 
  
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "storageTypes",
  "getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
  
  Attempts to modify the collection returned by this method will result in an RuntimeException.  
  
  @return StorageType represents the list of storage related types and attributes that are available for given InstanceType.
  
  @return Returns a reference to this object so that method calls can be chained together."
  
  "getterModel" : {
    "returnType" : "java.util.List<StorageType>",
  "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "StorageTypes",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypes",
"uri" : false
}, 
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "StorageType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [StorageType.Builder] avoiding the need to create one manually via [StorageType.Builder].

When the [Consumer] completes, [StorageType.Builder.build()] is called immediately and its result is passed to [StorageType.Builder.member(StorageType)].

@see StorageType.Builder

@return Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@see StorageType.Builder

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "Returns the value of the Member property for this object.

The value of the Member property for this object.

@getterModel { 
"returnType" : "StorageType",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
, "setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StorageType",
  "variableName" : "member",
  "variableType" : "StorageType",
  "documentation" : null,
  "simpleType" : "StorageType",
  "variableSetterType" : "StorageType"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "StorageType",
  "variableName" : "member",
  "variableType" : "StorageType",
  "documentation" : "",
  "simpleType" : "StorageType",
  "variableSetterType" : "StorageType"
},
"xmlNameSpaceUri" : null
}.
"memberLocationName" : null,
"memberType" : "StorageType",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>",
"templateType" : "java.util.List<StorageType>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypes",
"sensitive" : false,
"setterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.",
"setterMethodName" : "setStorageTypes",
"setterModel" : {
"variableDeclarationType" : "java.util.List<StorageType>",
"variableName" : "storageTypes",
"variableType" : "java.util.List<StorageType>",
"documentation" : null,
"simpleType" : "List<StorageType>",
"variableSetterType" : "java.util.Collection<StorageType>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<StorageType>",
"variableName" : "storageTypes",
"variableType" : "java.util.List<StorageType>",
"documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.",
"simpleType" : "List<StorageType>",
"variableSetterType" : "java.util.Collection<StorageType>"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getInstanceLimits",
"beanStyleSetterMethodName" : "setInstanceLimits",
"c2jName" : "InstanceLimits",
"c2jShape" : "InstanceLimits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n\nThis is a convenience that creates an instance of the { InstanceLimits.Builder} avoiding the need to create one manually via { InstanceLimits#builder()}.\n\nWhen the { Consumer} completes, { InstanceLimits.Builder#build()} is called immediately and its result is passed to { InstanceLimits(InstanceLimits)}.\n\n@param instanceLimits a consumer that will call methods on { InstanceLimits.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see InstanceLimits(InstanceLimits)",
"deprecated" : false,
"documentation" : ""
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.
@param instanceLimits The new value for the InstanceLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceLimits",
"getterDocumentation" : "Returns the value of the InstanceLimits property for this object.
@return The value of the InstanceLimits property for this object.",
"getterModel" : {
"returnType" : "InstanceLimits",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceLimits property for this object.
@param instanceLimits The new value for the InstanceLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setInstanceLimits",
"setterModel" : {
"variableDeclarationType" : "InstanceLimits",
"variableName": "instanceLimits",
"variableType": "InstanceLimits",
"documentation": null,
"simpleType": "InstanceLimits",
"variableSetterType": "InstanceLimits"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "InstanceLimits",
"variableName": "instanceLimits",
"variableType": "InstanceLimits",
"documentation": "",
"simpleType": "InstanceLimits",
"variableSetterType": "InstanceLimits"
},
"xmlNameSpaceUri": null
}, {
"beanStyleGetterMethodName": "getAdditionalLimits",
"beanStyleSetterMethodName": "setAdditionalLimits",
"c2jName": "AdditionalLimits",
"c2jShape": "AdditionalLimitList",
"defaultConsumerFluentSetterDocumentation": "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> .
This is a convenience that creates an instance of the {@link List<AdditionalLimit>.Builder} avoiding the need to create one manually via { @link List<AdditionalLimit>#builder()}. When the { @link Consumer} completes, { @link List<AdditionalLimit>.Builder#build()} is called immediately and its result is passed to { @link #additionalLimits(List<AdditionalLimit>)}. Returns a reference to this object so that method calls can be chained together.

@see #additionalLimits(List<AdditionalLimit>)",
"deprecated": false,
"documentation": "List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> .",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "additionalLimits",
"fluentSetterDocumentation": "List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of additional limits that are specific to a
given InstanceType and for each of it's `<code>` <a>InstanceRole</a>` `</code>.

"getterModel" : {
  "returnType" : "java.util.List<AdditionalLimit>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdditionalLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdditionalLimits",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "AdditionalLimit",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link AdditionalLimit.Builder] avoiding the need to create one manually via [@link AdditionalLimit#builder()]. When the [@link Consumer] completes, [@link AdditionalLimit.Builder#build()] is called immediately and its result is passed to [@link #member(AdditionalLimit)].

@see #member(AdditionalLimit)

@return Returns a reference to this object so that method calls can be chained together.

@see #member(AdditionalLimit)",

  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "AdditionalLimit",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "AdditionalLimit",
"variableName" : "member",
"variableType" : "AdditionalLimit",
"documentation" : null,
"simpleType" : "AdditionalLimit",
"variableSetterType" : "AdditionalLimit"}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : "",
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"xmlNameSpaceUri" : null

"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>",

"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"sensitive" : false,
"setterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. @param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.

"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>",

"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : "List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.

"simpleType" : "List<AdditionalLimit>",

"simple" : false,
"variableSetterType" : "java.util.Collection<AdditionalLimit>"},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "Limits",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "Limits",
"variableName" : "limits",
"variableType" : "Limits",
"documentation" : null,
"simpleType" : "Limits",
"variableSetterType" : "Limits"
},
"wrapper" : false
],
"ListDomainNamesRequest" : {
"c2jName" : "ListDomainNamesRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : null,
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
"action" : "ListDomainNames",
"locationName" : null,
"requestUri" : "/2015-01-01/domain",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListDomainNamesRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ListDomainNamesRequest",
  "variableName" : "listDomainNamesRequest",
  "variableType" : "ListDomainNamesRequest",
  "documentation" : null,
  "simpleType" : "ListDomainNamesRequest",
  "variableSetterType" : "ListDomainNamesRequest"
},
"wrapper" : false
},
"ListDomainNamesResponse" : {
  "c2jName" : "ListDomainNamesResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The result of a \<code\>ListDomainNames\</code\> operation. Contains the names of all Elasticsearch domains owned by this account.\</p\>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
}
"members" : [ 
  "beanStyleGetterMethodName" : "getDomainNames",
  "beanStyleSetterMethodName" : "setDomainNames",
  "c2jName" : "DomainNames",
  "c2jShape" : "DomainInfoList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of Elasticsearch domain names.</p>
This is a convenience that creates an instance of the {@link List<DomainInfo>.Builder} avoiding the need to create one manually via {@link List<DomainInfo>#builder()}. When the {@link Consumer} completes, {@link List<DomainInfo>.Builder#build()} is called immediately and its result is passed to {@link #domainNames(List<DomainInfo>)}. 

When the Consumer completes, List<DomainInfo>.Builder#build() is called immediately and its result is passed to #domainNames(List<DomainInfo>).

@link Consumer#domainNames(List<DomainInfo>) a consumer that will call methods on List<DomainInfo>.Builder

@see #domainNames(List<DomainInfo>)"
,
  "deprecated" : false,
  "documentation" : "<p>List of Elasticsearch domain names.</p>",
  "endpointDiscoveryId" : false,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainNames",
  "fluentSetterDocumentation" : "<p>List of Elasticsearch domain names.</p>
@param domainNames List of Elasticsearch domain names.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainNames(List<DomainInfo>)",
  "fluentSetterMethodName" : "domainNames",
  "getterDocumentation" : "<p>List of Elasticsearch domain names.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of Elasticsearch domain names.
",
  "getterModel" : {
    "returnType" : "java.util.List<DomainInfo>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainNames",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainNames",
    "uri" : false
  }
]
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainInfo",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link DomainInfo.Builder] avoiding the need to create one manually via {@link DomainInfo#builder()}. When the [@link Consumer] completes, {@link DomainInfo.Builder#build()} is called immediately and its result is passed to {@link #member(DomainInfo)).

@see #member(DomainInfo)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(DomainInfo)",
  "getterDocumentation" : "Returns the value of the Member property for this object.

@see #member(DomainInfo)",
  "getterModel" : {
    "returnType" : "DomainInfo",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
  },
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainInfo",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [@link DomainInfo.Builder] avoiding the need to create one manually via [@link DomainInfo#builder()]. When the [@link Consumer] completes, [@link DomainInfo.Builder#build()] is called immediately and its result is passed to [@link #member(DomainInfo)].

@see #member(DomainInfo)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(DomainInfo)",
  "getterDocumentation" : "Returns the value of the Member property for this object.

@see #member(DomainInfo)",
  "getterModel" : {
    "returnType" : "DomainInfo",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
  }}
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
 "variableDeclarationType" : "DomainInfo",
 "variableName" : "member",
 "variableType" : "DomainInfo",
 "documentation" : null,
 "simpleType" : "DomainInfo",
 "variableSetterType" : "DomainInfo"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "DomainInfo",
 "variableName" : "member",
 "variableType" : "DomainInfo",
 "documentation" : "",
 "simpleType" : "DomainInfo",
 "variableSetterType" : "DomainInfo"
 },
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>"
List of Elasticsearch domain names.

@param domainNames List of Elasticsearch domain names.

@see #domainNames(List<DomainInfo>)

Returns a reference to this object so that method calls can be chained together.

@link #domainNames(List<DomainInfo>)

This is a convenience that creates an instance of the {@link List<DomainInfo>.Builder} avoiding the need to create one manually via {@link List<DomainInfo>#builder()}. When the {@link Consumer} completes, the builder is called immediately and its result is passed to the constructor of the consumer that will call methods on the domainNames consumer that will call methods on the domainNames.

@link List<DomainInfo>.Builder#build()

@link #domainNames(List<DomainInfo>)

@see #domainNames(List<DomainInfo>)

@link #domainNames(List<DomainInfo>)
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainNames",
"fluentSetterDocumentation" : "&lt;p&gt;List of Elasticsearch domain names.&lt;/p&gt;
@p @param domainNames List of Elasticsearch domain names.&lt;/p&gt;
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainNames",
"getterDocumentation" : "&lt;p&gt;List of Elasticsearch domain names.&lt;/p&gt;
@p Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.&lt;/p&gt;
@return List of Elasticsearch domain names.",
"getterModel" : {
   "returnType" : "java.util.List<DomainInfo>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "DomainNames",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "DomainNames",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
   "beanStyleGetterMethodName" : "getMember",
   "beanStyleSetterMethodName" : "setMember",
   "c2jName" : "member",
   "c2jShape" : "DomainInfo",
   "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [@link DomainInfo.Builder] avoiding the need to create one manually via [@link DomainInfo#builder()].\nWhen the [@link Consumer] completes, [@link DomainInfo.Builder#build()] is called immediately and its result is passed to [@link DomainInfo.Builder#member(DomainInfo)].\n@return Returns a reference to this object so that method calls can be chained
together.

@see #member(DomainInfo)

"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return
Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.

@param member
The value of the Member property for this object.
@return
The value of the Member property for this object.",
"getterModel": [
  "returnType": "DomainInfo",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.";
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "DomainInfo",
  "variableName" : "member",
  "variableType" : "DomainInfo",
  "documentation" : null,
  "simpleType" : "DomainInfo",
  "variableSetterType" : "DomainInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "DomainInfo",
  "variableName" : "member",
  "variableType" : "DomainInfo",
  "documentation" : null,
  "simpleType" : "DomainInfo",
  "variableSetterType" : "DomainInfo"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>List of Elasticsearch domain names.</p>
@param domainNames List of Elasticsearch domain names.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : null,
  "simpleType" : "List<DomainInfo>",
  "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : "List of Elasticsearch domain names.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return List of Elasticsearch domain names."
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainNames",
  "beanStyleSetterMethodName" : "setDomainNames",
  "c2jName" : "DomainNames",
  "c2jShape" : "DomainInfoList",
  "defaultConsumerFluentSetterDocumentation" : "\nThis is a convenience that creates an instance of the \{@link List<DomainInfo>.Builder\} avoiding the need to create one manually via \{@link List<DomainInfo>#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link List<DomainInfo>.Builder#build()\} is called immediately and its result is passed to \{@link #domainNames(List<DomainInfo>)\}.\n@param domainNames a consumer that will call methods on \{@link List<DomainInfo>.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainNames(List<DomainInfo>)",
  "deprecated" : false,
  "documentation" : "List of Elasticsearch domain names.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return List of Elasticsearch domain names."
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainNames",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainNames",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
"implType": "java.util.ArrayList",
"interfaceType": "java.util.List",
"listMemberModel": {
"beanStyleGetterMethodName": "getMember",
"beanStyleSetterMethodName": "setMember",
"c2jName": "member",
"c2jShape": "DomainInfo",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \[@link DomainInfo.Builder\] avoiding the need to create one manually via \[@link DomainInfo.Builder\].\nWhen the \[@link Consumer\] completes, \[@link DomainInfo.Builder#build\] is called immediately and its result is passed to \[@link DomainInfo.Builder\].\n\n@param member a consumer that will call methods on \[@link DomainInfo\]\
\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(DomainInfo)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@returns Returns a reference to this object so that method calls can be chained together.\.
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.\n@returns The value of the Member property for this object.\.
"getterModel": {
"returnType": "DomainInfo"
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "DomainInfo",
  "variableName": "member",
  "variableType": "DomainInfo",
  "documentation": null,
  "simpleType": "DomainInfo",
  "variableSetterType": "DomainInfo"
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"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "DomainInfo",
  "variableName": "member",
  "variableType": "DomainInfo",
  "documentation": "",
  "simpleType": "DomainInfo",
  "variableSetterType": "DomainInfo"
"setterDocumentation" : "<p>List of Elasticsearch domain names.</p>
@param domainNames List of Elasticsearch domain names."
,"setterMethodName" : "setDomainNames",
"setterModel" : {
   "variableDeclarationType" : "java.util.List<DomainInfo>",
   "variableName" : "domainNames",
   "variableType" : "java.util.List<DomainInfo>",
   "documentation" : null,
   "simpleType" : "List<DomainInfo>",
   "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.util.List<DomainInfo>",
   "variableName" : "domainNames",
   "variableType" : "java.util.List<DomainInfo>",
   "documentation" : "<p>List of Elasticsearch domain names.</p>
,"simpleType" : "List<DomainInfo>",
   "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>"}
,"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>List of Elasticsearch domain names.</p>
@param domainNames List of Elasticsearch domain names."
,"setterMethodName" : "setDomainNames",
"setterModel" : {
   "variableDeclarationType" : "java.util.List<DomainInfo>",
   "variableName" : "domainNames",
   "variableType" : "java.util.List<DomainInfo>",
   "documentation" : null,
   "simpleType" : "List<DomainInfo>",
   "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.util.List<DomainInfo>",
   "variableName" : "domainNames",
   "variableType" : "java.util.List<DomainInfo>",
   "documentation" : "<p>List of Elasticsearch domain names.</p>
,"simpleType" : "List<DomainInfo>",
   "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"xmlNameSpaceUri" : null
} },
"resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ListDomainNamesResponse",
  "variableName" : "listDomainNamesResponse",
  "variableType" : "ListDomainNamesResponse",
  "documentation" : null,
  "simpleType" : "ListDomainNamesResponse",
  "variableSetterType" : "ListDomainNamesResponse"
},
"wrapper" : false
},
"ListElasticsearchInstanceTypesRequest" : {
  "c2jName" : "ListElasticsearchInstanceTypesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for the parameters to the <code><a>ListElasticsearchInstanceTypes</a> operation. </p>"
},
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "ListElasticsearchInstanceTypes",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/instanceTypes/{ElasticsearchVersion}"
},
"members" : [
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString"
"defaultConsumerFluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchVersion(String)}.
@param elasticsearchVersion a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)"

"deprecated" : false,
"documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@endp)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@return Version of Elasticsearch for which list of supported elasticsearch instance types are needed.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@return Version of Elasticsearch for which list of supported elasticsearch instance types are needed.
@return Returns a reference to this object so that method calls can be chained together.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed.</p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.”,
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, the result is passed to the consumer. When the consumer completes, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer. Finally, the result is passed to the consumer.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterMethodName" : "domainName",
"fluentSetterDocumentation" : 
"<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : 
"<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>
@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : "querystring",
 "marshallLocation" : "QUERY_PARAM",
 "marshallLocationName" : "domainName",
 "queryString" : true,
 "statusCode" : false,
 "unmarshallLocationName" : "domainName",
 "uri" : false
 },
 idempotencyToken" : false,
 isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "STRING",
 "name" : "DomainName",
"sensitive": false,
"setterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

@_param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"}}
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getMaxResults",
"beanStyleSetterMethodName": "setMaxResults",
"c2jName": "MaxResults",
"c2jShape": "MaxResults",
"defaultConsumerFluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>

This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. 

@_param maxResults a consumer that will call methods on { @link Integer.Builder} 
@_return Returns a reference to this object so that method calls can be chained together.

@_see #maxResults(Integer)",
"deprecated": false,
"documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>

endpntDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@return Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.",
"getterModel": {
   "returnType": "Integer",
   "documentation": null
},
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": "querystring",
   "marshallLocation": "QUERY_PARAM",
   "marshallLocationName": "maxResults",
   "queryString": true,
   "statusCode": false,
   "unmarshallLocationName": "maxResults",
   "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"sensitive": false,
"setterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setMaxResults",
"setterModel": {
   "variableDeclarationType": "Integer",
   "variableName": "maxResults",
   "variableType": "Integer"}
Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. 

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to NextToken(String).

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

@link #nextToken(String)
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"simple" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>\n@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",

"complexType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
"membersAsMap" : {
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the consumer completes, the String.Builder#build() is called immediately and its result is passed to #domainName(String).

When the Consumer completes, the String.Builder#build() is called immediately and its result is passed to #domainName(String).

@see #domainName(String)",
"deprecated" : false,
"documentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain."
,"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.

@see #domainName(String)",
"getterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.

@see #domainName(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : '<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>',
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : '<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>',
"simpleType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"ElasticsearchVersion" : {
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported
elasticsearch instance types are needed. </p>
This is a convenience that creates an instance of the {@link
String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link
Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{ @link #elasticsearchVersion(String) }. 
@see
#elasticsearchVersion(String)",
"deprecated" : false,
"documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types
are needed. </p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : "getElasticsearchVersion",
"fluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported
elasticsearch instance types are needed. </p>
@see
#elasticsearchVersion(String)",
"getterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance
types are needed. </p>
@return Returns a reference to this object so that method calls can be
chained together.
@see
#elasticsearchVersion(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
}
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>"
},
"xmlNameSpaceUri" : null,
"MaxResults" : {
    "beanStyleGetterMethodName" : "getMaxResults",
    "beanStyleSetterMethodName" : "setMaxResults",
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
This is a convenience that creates an instance
of the `{@link Integer.Builder}` avoiding the need to create one manually via `{@link Integer#builder()}`. When
the `{@link Consumer}` completes, `{@link Integer.Builder#build()}` is called immediately and its result is passed to
`{@link #maxResults(Integer)}`.

```
@returns a reference to this object so that method calls can be chained together.
```

```
@see #maxResults(Integer)
```

```java

```
deprecated" : false,

documentation" : "Set this value to limit the number of results returned. Value provided must be greater
than 30 else it wont be honored.

```

@endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "maxResults",

"fluentSetterDocumentation" : "Set this value to limit the number of results returned. Value provided must
be greater than 30 else it wont be honored.

```

@end returns a reference to this object so that method calls can be chained together.

```

"getterDocumentation" : "Set this value to limit the number of results returned. Value provided must
be greater than 30 else it wont be honored.

```

@end return Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.

```

"getterModel" : {

returns a reference to this object so that method calls can be chained together.

```

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : "querystring",

"marshallLocation" : "QUERY_PARAM",

"marshallLocationName" : "maxResults",

"queryString" : true,

"statusCode" : false,

"unmarshallLocationName" : "maxResults",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jNameSpaceUri" : null
},
"defaultConsumerFluentSetterDocumentation" : "<p> NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. A consumer that will call methods on the { @link String.Builder}, can return a new object that can be chained together. { @see #nextToken(String)}",
  "deprecated" : false,
  "documentation" : "<p> NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
}
"variableName": "nextToken",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getElasticsearchVersion",
    "beanStyleSetterMethodName": "setElasticsearchVersion",
    "c2jName": "ElasticsearchVersion",
    "c2jShape": "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation": "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via { @link String#builder() }. 
When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link ElasticsearchVersion(String)}.
\n@param elasticsearchVersion a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)",
    "deprecated": false,
    "documentation": "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "elasticsearchVersion",
    "fluentSetterDocumentation": "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>",
    "getterDocumentation": "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>"
  }
],
"
}
are needed.

```javascript
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "ElasticsearchVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchVersion",
  "uri": true
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ElasticsearchVersion",
"sensitive": false,
"setterDocumentation": "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed.

\n@return Version of Elasticsearch for which list of supported elasticsearch instance types are needed.

\n@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.

\n.setterMethodName": "setElasticsearchVersion",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
```

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"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultValueFluentSetterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.
\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.\n\n@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"getterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>
@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
@see #domainName(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "domainName",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "domainName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>\n@\param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n</p>\n@\param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.\n"
domain.

"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.

This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)} a consumer that will call methods on { @link Integer.Builder}.

@returns a reference to this object so that method calls can be chained together.

@param maxResults a consumer that will call methods on { @link Integer.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)"
}

"documentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.

@endpointDiscoveryId" : false,

"endpointDiscoveryId" : false,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "maxResults",

"fluentSetterDocumentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.

@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "maxResults",

"getterDocumentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.
@return Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.

"getterModel" : {

"returnType" : "Integer",

"documentation" : null
}

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : "querystring"
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusName" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.

```
<p>
@component maxResults
Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.
</p>
```

```

"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.

```
<p>
@component maxResults
Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.
</p>
```

```

"simpleType" : "Integer",
"variableSetterType" : "Integer"
}

"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

```
<p>
This is a convenience that creates an instance
of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String#builder()\}.

When the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #nextToken(String)\}.

@returns
Returns a reference to this object so that method calls can be chained together.

@see
#nextToken(String)

"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination. </p>
@param nextToken NextToken should be sent in case if earlier API call
produced result containing NextToken. It is used for pagination.
",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ElasticsearchVersion" ],
"shapeName" : "ListElasticsearchInstanceTypesRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
  "variableName" : "listElasticsearchInstanceTypesRequest",
  "variableType" : "ListElasticsearchInstanceTypesRequest",
  "documentation" : null,
  "simpleType" : "ListElasticsearchInstanceTypesRequest",
  "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
},
"wrapper" : false
].
"ListElasticsearchInstanceTypesResponse" : {
  "c2jName" : "ListElasticsearchInstanceTypesResponse",}
Container for the parameters returned by `<code> ListElasticsearchInstanceTypes </code>` operation.

This is a convenience that creates an instance of the `{ @link List<String>.Builder }` avoiding the need to create one manually via `{ @link List<String>#builder() }` is called immediately and its result is passed to `{ @link #elasticsearchInstanceTypesAsStrings(List<String>) }`. The `@param` ElasticsearchInstanceTypes a consumer that will call methods on `{ @link List<String>.Builder }` and returns a reference to this object so that method calls can be chained together.

```
@see #elasticsearchInstanceTypesWithStrings(List<String>)
```

List of instance types supported by Amazon Elasticsearch service for given `<code> ElasticsearchVersion </code>`.

```
@link List<String>.Builder
```

List of instance types supported by Amazon Elasticsearch service for given `<code> ElasticsearchVersion </code>`.

```
@link List<String>.Builder
```
Returns a reference to this object so that method calls can be chained together.

@see #member(String),

*defaultConsumerFluentSetterDocumentation*: "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the \[@link String.Builder\] avoiding the need to create one manually via \[@link String.Builder\].

When the \[@link Consumer\] completes, \[@link String.Builder\] is called immediately and its result is passed to \[@link #memberAsHexString\].

\[@param member a consumer that will call methods on \[@link String.Builder\]\],

\[@return Returns a reference to this object so that method calls can be chained together.\]@see #member(String),

*deprecated* : false,

*documentation* : "",

*endpointDiscoveryId* : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "member",
"fluentEnumSetterMethodName" : "member",
"fluentGetterMethodName" : "memberAsString",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
If the service returns an enum value that is not available in the current SDK version, {@link #member} will return {@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #memberAsString}."

@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@see ESPartitionInstanceType",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"sensitive" : false,
"setterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code> ">
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "elasticsearchInstanceTypes",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
List of instance types supported by Amazon Elasticsearch service for given `<code>ElasticsearchVersion</code>` would be present, make further request to the same API with received NextToken to paginate remaining results.

This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `@link String.Builder#build()` is called immediately and its result is passed to `String.Builder#build()`.

In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

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In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>
@param nextToken
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlnsSpaceUri" : null
}
"membersAsMap" : {
  "ElasticsearchInstanceTypes" : {
    "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsStrings",
    "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
    "c2jName" : "ElasticsearchInstanceTypes",
    "c2jShape" : "ElasticsearchInstanceTypeList",
    "defaultConsumerFluentSetterDocumentation" : "List of instance types supported by Amazon Elasticsearch service for given \code\<a\>ElasticsearchVersion</a>\</code\>\<p\>\This is a convenience that creates an instance of the \\{\link List\<String\>\.Builder\}\ avoiding the need to create one manually via \\{\link List\<String\>\#builder\}\.\n\nWhen the \\{\link Consumer\} completes, \\{\link List\<String\>\.Builder\#build\}\ is called immediately and its result is passed to \\{\link ElasticsearchInstanceTypes\} a consumer that will call methods on \\{\link List\<String\>\.Builder\}\ return Returns a reference to this object so that method calls can be chained together.\n\@see ElasticsearchInstanceTypesWithStrings\<List\<String\>\>",
    "deprecated" : false,
    "documentation" : "List of instance types supported by Amazon Elasticsearch service for given \code\<a\>ElasticsearchVersion</a>\</code\>
  ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
  "fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
  "fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
  "fluentSetterDocumentation" : "List of instance types supported by Amazon Elasticsearch service for given \code\<a\>ElasticsearchVersion</a>\</code\>
  ",
  "getterDocumentation" : "List of instance types supported by Amazon Elasticsearch service for given \code\<a\>ElasticsearchVersion</a>\</code\>
  
Attempts to modify the collection returned by this method will result in a UnsupportedOperationException.
\@return List of instance types supported by Amazon Elasticsearch service for given \code\<a\>ElasticsearchVersion</a>\</code\>
  ",
  "getterModel" : {
    "returnType" : "java.util.List\<String\>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceTypes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceTypes",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMemberAsString",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #memberAsString(String)].\n\n@param member a consumer that will call methods on [@link String.Builder]\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "enumType" : "ESPartitionInstanceType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "member",
    "fluentEnumSetterMethodName" : "member",
    "fluentGetterMethodName" : "memberAsString",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n\n@see ESPartitionInstanceType\n@return Returns a reference to this object so that method calls can be chained together.\n@see ESPartitionInstanceType",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\nIf the service returns an enum value that is not available in the current SDK version, [@link #member] will return [@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION].\nThe raw value returned by the service is available from [@link #memberAsString].\n\n@return The value of the Member property for this object.\n@see ESPartitionInstanceType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "member",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "member",
    "uri": false
  },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "member",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
  }
}
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}.
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"sensitive" : false,
"setterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code>
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "elasticsearchInstanceTypes",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "elasticsearchInstanceTypes",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code> </p>
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
 "beanStyleGetterMethodName" : "getNextToken",
 "beanStyleSetterMethodName" : "setNextToken",
 "c2jName" : "NextToken",
 "c2jShape" : "NextToken",
 "defaultConsumerFluentSetterDocumentation" : "<p>In case if there are more results available NextToken"
would be present, make further request to the same API with received NextToken to paginate remaining results.

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}. @param nextToken a consumer that will call methods on \{@link String.Builder\}.

@see #nextToken(String)\n
@returns Returns a reference to this object so that method calls can be chained together.

\* deprecated \* : false,

\* documentation \* : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

\* endpointDiscoveryId \* : false,

\* enumType \* : null,

\* eventHeader \* : false,

\* eventPayload \* : false,

\* fluentEnumGetterMethodName \* : null,

\* fluentEnumSetterMethodName \* : null,

\* fluentGetterMethodName \* : "nextToken",

\* fluentSetterDocumentation \* : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

\* fluentSetterMethodName \* : "nextToken",

\* getDocumentation \* : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

\* getDocumentation \* : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

\* getModel \* : {

    "returnType" : "String",

    "documentation" : null

    },

\* http \* : {

    "additionalMarshallingPath" : null,

    "additionalUnmarshallingPath" : null,

    "flattened" : false,

    "greedy" : true,

    "header" : false,

    "isPayload" : false,

    "isStreaming" : false,

    "location" : null,

    "marshallLocation" : "PAYLOAD",

    "marshallLocationName" : "NextToken",

    "queryString" : false,

    "statusCode" : false,

    "unmarshallLocationName" : "NextToken",

    "uri" : false

    },

\* idempotencyToken \* : false,

\* isBinary \* : false,
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

```java
@Param nextToken
```

In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

```java
public void setNextToken(String nextToken)
```

This is a convenience that creates an instance of the `List<String>.Builder` avoiding the need to create one manually via `List<String>.builder()`.

```java
@DefaultConsumerFluentSetterDocumentation()
```

List of instance types supported by Amazon Elasticsearch service for given

```java
ElasticsearchVersion
```

This is a convenience that creates an instance of the `List<String>.Builder` avoiding the need to create one manually via `List<String>.builder()`.

```java
@DefaultConsumerFluentSetterDocumentation()
```

When the `@link List<String>.Builder` completes, `List<String>.Builder#build()` is called immediately and its result is passed to `List<String>.Builder#build()`.
"deprecated" : false,
"documentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt; &lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
"fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
"fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
"fluentSetterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt;&lt;/p&gt;&lt;@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt;&lt;/p&gt;&lt;@return
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt;",
"getterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt;&lt;/p&gt;&lt;@return
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt; &lt;/code&gt;",
"getterModel" : {
  "returnType" : "java.util.List&lt;String&gt;",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceTypes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceTypes",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMemberAsString",
}
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()](.) is called immediately and its result is passed to [@link #memberAsString(String)].\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "member",
"fluentEnumSetterMethodName" : "member",
"fluentGetterMethodName" : "memberAsString",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@<p>\nIf the service returns an enum value that is not available in the current SDK version, [@link #member] will return [@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #memberAsString].\n\n@returns The value of the Member property for this object.\n@see ESPartitionInstanceType",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "member",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "member",
 "uri" : false
}.

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List of instance types supported by Amazon Elasticsearch service for given `<code>`<a>ElasticsearchVersion</a>`<code>`.

```
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given `<code>`<a>ElasticsearchVersion</a>`<code>`
```

```
"setterMethod" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchInstanceTypes",
  "variableType" : "java.util.List<String>",
  "documentation" : "List of instance types supported by Amazon Elasticsearch service for given `<code>`<a>ElasticsearchVersion</a>`<code>`",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

```
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.
```

```
@deprecated
```

"documentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

```
@see #nextToken(String)
```

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

```
@param
nextToken In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

```
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>

```
@return In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.”,

```
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

```
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},

```
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>

```
@param nextToken In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.”,

```
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
```
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListElasticsearchInstanceTypesResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ListElasticsearchInstanceTypesResponse",
"variableName" : "listElasticsearchInstanceTypesResponse",
"variableType" : "ListElasticsearchInstanceTypesResponse",
"documentation" : null,
"simpleType" : "ListElasticsearchInstanceTypesResponse",
"variableSetterType" : "ListElasticsearchInstanceTypesResponse"
},
"wrapper" : false
},
"ListElasticsearchVersionsRequest" : {
"c2jName" : "ListElasticsearchVersionsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the <code><a>ListElasticsearchVersions</a></code> operation. <p>Use <code><a>MaxResults</a></code> to control the maximum number of results to retrieve in a single call. </p><p>Use <code><a>NextToken</a></code> in response to retrieve more results. If the received
response does not contain a NextToken, then there are no more results to retrieve. 

"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "ListElasticsearchVersions",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/versions",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getMaxResults",
    "beanStyleSetterMethodName" : "setMaxResults",
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. When the { @link Integer.Builder} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}.

  @param maxResults a consumer that will call methods on { @link Integer.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  @see #maxResults(Integer)",
  "deprecated" : false,
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maxResults",
  "fluentSetterMethodName" : "maxResults",
  "fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@return Returns a reference to this object so that method calls can be chained together.,
  "getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be
greater than 10 else it wont be honored. \n\n@return Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.

"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},

"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>

@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.

"setterMethodName" : "setMaxResults",

"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": "Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. 

"simpleType": "Integer",
"variableSetterType": "Integer"
"},
"xmlNameSpaceUri": null
"}, {
  "beanStyleGetterMethodName": "getNextToken",
  "beanStyleSetterMethodName": "setNextToken",
  "c2jName": "NextToken",
  "c2jShape": "NextToken",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder#builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#nextToken(String)].

@link String.Builder\n@link #nextToken(String)

@see #nextToken(String)"
,  "deprecated": false,
  "documentation": ",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "nextToken",
  "fluentSetterDocumentation": "Sets the value of the NextToken property for this object. The new value for the NextToken property for this object.

@link String.Builder\n@link #nextToken(String)

@see #nextToken(String)"
,  "getterDocumentation": "Returns the value of the NextToken property for this object."
,  "getterModel": {
  "returnType": "String",
  "documentation": null
  },
  "http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM"
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.
@local @param nextToken The new value for the NextToken property for this object.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"MaxResults" : {
  "beanStyleGetterMethodName" : "getMaxResults",
  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}.
When
the `{@link Consumer}@link Consumer} completes, `{@link Integer.Builder#build()}@link Integer.Builder#build()) is called immediately and its result is passed to `{@link #maxResults(Integer)}@link #maxResults(Integer)}.\n\n@param maxResults a consumer that will call methods on `{@link Integer.Builder}@link Integer.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)`,

"deprecated": false,

"documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p> ",

"endpointDiscoveryId": false,

"enumType": null,

"eventHeader": false,

"eventPayload": false,

"fluentEnumGetterMethodName": null,

"fluentEnumSetterMethodName": null,

"fluentGetterMethodName": "maxResults",

"fluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p> 

@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.\n\n@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName": "maxResults",

"getterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p> 

@return Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.\n\n@return Returns a reference to this object so that method calls can be chained together.",

"getterModel": {
    "returnType": "Integer",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "querystring",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "maxResults",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "maxResults",
    "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #nextToken(String)].\n\n@param nextToken a consumer that will call methods on [@link String.Builder]\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)"
},
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

@param
nextToken The new value for the NextToken property for this object.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.

@return The value of the NextToken property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.

@param
nextToken The new value for the NextToken property for this object.
@return Returns a reference to this object so that method calls can be chained together."
"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [ {
  "beanStyleGetterMethodName": "getMaxResults",
  "beanStyleSetterMethodName": "setMaxResults",
  "c2jName": "MaxResults",
  "c2jShape": "MaxResults",
  "defaultConsumerFluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>\n\nThis is a convenience that creates an instance of the \( @link \) Integer.Builder avoiding the need to create one manually via \( @link \) Integer#builder(). When the \( @link \) Consumer completes, \( @link \) Integer.Builder#build() is called immediately and its result is passed to \( @link \) #maxResults(Integer).\n\n@param maxResults a consumer that will call methods on \( @link \) Integer.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)",
  "deprecated": false,
  "documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "maxResults",
  "fluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>\n\n@param maxResults a consumer that will call methods on \( @link \) Integer\n@return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>",
  "getterModel": {
    "returnType": "Integer",
    "documentation": null
  },
  "http": {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"simple" : true,
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored."
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #nextToken(String).\n
@see #nextToken(String)\n
The new value for the NextToken property for this object.\n
@returns a reference to this object so that method calls can be chained together.\n
@see #nextToken(String)\n
The value of the NextToken property for this object.\n
@returns The value of the NextToken property for this object.\n"
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n
The new value for the NextToken property for this object.\n
@returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.\n
@returns The value of the NextToken property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": null,
"shapeName": "ListElasticsearchVersionsRequest",
"simpleMethod": true,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "ListElasticsearchVersionsRequest",
  "variableName": "listElasticsearchVersionsRequest",
  "variableType": "ListElasticsearchVersionsRequest",
  "documentation": null,
  "simpleType": "ListElasticsearchVersionsRequest",
  "variableSetterType": "ListElasticsearchVersionsRequest"
},
"wrapper": false}
"ListElasticsearchVersionsResponse" : {
  "c2jName" : "ListElasticsearchVersionsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for the parameters for response received from \<code\> ListElasticsearchVersions\</code\> operation. \</p\>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    {
      "beanStyleGetterMethodName" : "getElasticsearchVersions",
      "beanStyleSetterMethodName" : "setElasticsearchVersions",
      "c2jName" : "ElasticsearchVersions",
      "c2jShape" : "ElasticsearchVersionList",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object. This is a convenience that creates an instance of the \<code\> List<String>.Builder \</code\> avoiding the need to create one manually via \<code\> List<String>.Builder().\</code\> When the \<code\> Consumer \</code\> completes, \<code\> List<String>.Builder#build() \</code\> is called immediately and its result is passed to \<code\> ElasticsearchVersions(List<String>) \</code\>.\</param\> elasticsearchVersions a consumer that will call methods on \<code\> List<String>.Builder\</code\> Returns a reference to this object so that method calls can be chained together.\</param\> see \<code\> ElasticsearchVersions(List<String>)\</code\>",
      "deprecated" : false,
      "documentation" : "",
      "endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : "getElasticsearchVersions",
      "fluentEnumSetterMethodName" : "setElasticsearchVersions",
      "fluentGetterMethodName" : "elasticsearchVersions",
      "fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.\n\n@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\"".
    }
  }
}
"fluentSetterMethodName" : "elasticsearchVersions",
"getterDocumentation" : "Returns the value of the ElasticsearchVersions property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException."
@return The value of the ElasticsearchVersions property for this object.,
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)] @param member a consumer that will call methods on [link String.Builder] @return Returns a reference to this object so that method calls can be chained together. @see #member(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@returns The new value for the Member property for this object.\n@param member The new value for the Member property for this object.
\n@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n@returns The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n@returns The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",}
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variables" : [null,

  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
]}
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.\n@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object."
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>"}
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
  {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "NextToken",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n    This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}.\n    @param nextToken a consumer that will call methods on \{@link String.Builder\}\n    @return Returns a reference to this object so that method calls can be chained together.\n    see #nextToken(String)\",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "nextToken",
    "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n    @param nextToken The new value for the NextToken property for this object.\n    @return Returns a reference to this object so that method calls can be chained together.\n    "fluentSetterMethodName" : "nextToken",
    "getterDocumentation" : "Returns the value of the NextToken property for this object.\n    \n    see #nextToken(String)\",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "NextToken",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "NextToken",
        "uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "Sets the value of the NextToken property for this object.

@param nextToken The new value for the NextToken property for this object."

"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],

"membersAsMap": {
  "ElasticsearchVersions": {
    "beanStyleGetterMethodName": "getElasticsearchVersions",
    "beanStyleSetterMethodName": "setElasticsearchVersions",
    "c2jName": "ElasticsearchVersions",
    "c2jShape": "ElasticsearchVersionList",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the ElasticsearchVersions property for this object.

This is a convenience that creates an instance of the { List<String>.Builder } avoiding the need to create one manually via { List<String>#builder() }. When the { List<String>#builder() } completes, { List<String>.Builder#build() } is called immediately and its result is passed to { List#builder() } which is a consumer that will call methods on { List#builder() } returning a reference to this object so that method calls can be chained together.

@see #elasticsearchVersions(List<String>)",
    "deprecated": false,
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #member(String)}. 

**@param member** a consumer that will call methods on {link String.Builder}

**@return** Returns a reference to this object so that method calls can be chained together.

```java
member.accept(builder); return this;
```

The new value for the Member property for this object.

```java
member.accept(builder); return this;
```

**@return** The value of the Member property for this object.

```java
return member.get();
```
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.\n\n@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.",
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "elasticsearchVersions",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
},
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object. This is a convenience that creates an instance of the \{link String.Builder\} avoiding the need to create one manually via \{link String#builder()\}. When the \{link Consumer\} completes, \{link String.Builder#build()\} is called immediately and its result is passed to \{link #nextToken(String)\}.\n\n@endemparam
nextToken a consumer that will call methods on \{link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@emparam
nextToken The new value for the NextToken property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
,  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "Returns the value of the NextToken property for this object.\n\n@endemparam
return The value of the NextToken property for this object."
,  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"Sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.

@param nextToken The new value for the NextToken property for this object.
",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {

"beanStyleGetterMethodName" : "getElasticsearchVersions",
"beanStyleSetterMethodName" : "setElasticsearchVersions",
"c2jName" : "ElasticsearchVersions",
"c2jShape" : "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object. This is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to create one manually via [@link List<String>#builder()]. When the [@link Consumer] completes, [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link #elasticsearchVersions(List<String>)].

@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersions(List<String>)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersions",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object."

@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersions(List<String>)",
"getterDocumentation" : "Returns the value of the ElasticsearchVersions property for this object.

<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

@return The value of the ElasticsearchVersions property for this object."

getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via {@link String#builder()}. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].\n\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "isBinary" : false,
  "list" : true,
  "listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "ElasticsearchVersionString",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].\n\n@see #member(String)",
      "deprecated" : false,
      "documentation" : "",
      "endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
      "fluentEnumSetterMethodName" : null,
      "fluentGetterMethodName" : "member",
      "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
      "fluentSetterMethodName" : "member",
      "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
    }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "member",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.",
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.

@see #nextToken(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

@return Returns a reference to this object so that method calls can be chained together.
@link String.Builder#build()",
"return" : null,
"target" : null,
"targetClass" : null,
"targetFluentMethod" : null,
"targetModel" : null,
"timestampFormat" : null,
"uri" : null,
"uriModel" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.

@see #nextToken(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

@return Returns a reference to this object so that method calls can be chained together.
@link String.Builder#build()",
"return" : null,
"target" : null,
"targetClass" : null,
"targetFluentMethod" : null,
"targetModel" : null,
"timestampFormat" : null,
"uri" : null,
"uriModel" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
method calls can be chained together.

"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.

@return The value of the NextToken property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.

@param nextToken The new value for the NextToken property for this object."

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListElasticsearchVersionsResponse",
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ListElasticsearchVersionsResponse",
    "variableName" : "listElasticsearchVersionsResponse",
    "variableType" : "ListElasticsearchVersionsResponse",
    "documentation" : null,
    "simpleType" : "ListElasticsearchVersionsResponse",
    "variableSetterType" : "ListElasticsearchVersionsResponse"
},
"wrapper" : false
},
"ListTagsRequest" : {
    "c2jName" : "ListTagsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "Container for the parameters to the <code>ListTags</code> operation. Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view are attached.\n",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": {
  "action": "ListTags",
  "locationName": null,
  "requestUri": "/2015-01-01/tags/",
  "target": null,
  "verb": "GET",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "beanStyleGetterMethodName": "getArn",
    "beanStyleSetterMethodName": "setArn",
    "c2jName": "ARN",
    "c2jShape": "ARN",
    "defaultConsumerFluentSetterDocumentation": "<p> Specify the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain to which the tags are attached that you want to view.&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link String.Builder#build()} is called immediately and its result is passed to {@link String#builder(String)}. A @param arn a consumer that will call methods on the String.Builder.
&lt;p&gt;@return Returns a reference to this object so that method calls can be chained together.
&lt;p&gt;@see #arn(String).</p>
  
  "deprecated": false,
  "documentation": "<p> Specify the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain to which the tags are attached that you want to view.&lt;/p&gt;",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "arn",
  "fluentSetterDocumentation": "<p> Specify the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain to which the tags are attached that you want to view.&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the String.Builder#build() is called immediately and its result is passed to String#builder(String). A &lt;p&gt;@param arn a consumer that will call methods on String.Builder.
&lt;p&gt;@return Returns a reference to this object so that method calls can be chained together.
&lt;p&gt;@see #arn(String).</p>
  
  "deprecated": false,
  "documentation": "<p> Specify the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain to which the tags are attached that you want to view.&lt;/p&gt;",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "arn",
  "fluentSetterDocumentation": "<p> Specify the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain to which the tags are attached that you want to view.&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the String.Builder#build() is called immediately and its result is passed to String#builder(String). A &lt;p&gt;@param arn a consumer that will call methods on String.Builder.
&lt;p&gt;@return Returns a reference to this object so that method calls can be chained together.
&lt;p&gt;@see #arn(String).</p>
  
  "deprecated": false,
  "documentation": "<p> Specify the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain to which the tags are attached that you want to view.&lt;/p&gt;",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "arn",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "arn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view. </p>
@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
]
"membersAsMap": {
  "ARN": {
    "beanStyleGetterMethodName": "getArn",
    "beanStyleSetterMethodName": "setArn",
    "c2jName": "ARN",
    "c2jShape": "ARN",
    "defaultConsumerFluentSetterDocumentation": "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>\n
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}.\n
@throws IllegalArgumentException if the value is null, empty or contains illegal characters.
@since 1.2
\n@see #arn(String),
  "deprecated": false,
  "documentation": "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>"
  },
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "arn",
  "fluentSetterDocumentation": "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
  @param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #arn(String)",
  "fluentSetterMethodName": "arn",
  "getterDocumentation": "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
  @return Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
  ",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "querystring",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "arn",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "arn",
    "unmarshallLocation": null
  }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.",
"setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #arn(String)].

@ param arn a consumer that will call methods on [ @link String.Builder]@ return Returns
a reference to this object so that method calls can be chained together.

@see #arn(String)

"deprecated" : false,
"documentation" : "Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "arn",
"getterDocumentation" : "Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@return Returns a reference to this object so that method calls can be chained together.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "arn",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "arn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN"
"sensitive" : false,
"setterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.",
"setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ARN" ],
"shapeName" : "ListTagsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ListTagsRequest",
"variableName" : "listTagsRequest",
"variableType" : "ListTagsRequest",
"documentation" : null,
"simpleType" : "ListTagsRequest",
"variableSetterType" : "ListTagsRequest"
},
"wrapper" : false
},
"ListTagsResponse" : {
"c2jName" : "ListTagsResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingRequestClassFqcn" : null,
"standardResultWrapper" : null,
"version" : "2022-08-01"
}
The result of a `ListTags` operation. Contains tags for all requested Elasticsearch domains.

This is a convenience that creates an instance of the `List<Tag>.Builder` avoiding the need to create one manually. When the `List<Tag>.Builder#build()` is called immediately and its result is passed to `List<Tag>.Builder#build()`. Returns a reference to this object so that method calls can be chained together.

```
@see #tagList(List<Tag>)
```

```java
public class ListTags {

    private List<Tag> tagList;

    public ListTags(List<Tag> tagList) {
        this.tagList = tagList;
    }

    // Getters and setters...
}
```
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TagList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TagList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {} avoiding the need to create one manually via {}. When the {} completes, {} is called immediately and its result is passed to {}. @param member a consumer that will call methods on {}. @return Returns a reference to this object so that method calls can be chained together. @see #member(Tag)
  
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object. @return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
\n@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag"
null
"beanStyleGetterMethodName" : "getTagList",
"beanStyleSetterMethodName" : "setTagList",
"c2jName" : "TagList",
"c2jShape" : "TagList",
"defaultConsumerFluentSetterDocumentation" : "List of Tag for the requested Elasticsearch domain.
This is a convenience that creates an instance of the List<Tag>.Builder avoiding the need to create one manually via List<Tag>#builder(). When the Consumer completes, List<Tag>.Builder#build() is called immediately and its result is passed to List<Tag>.

@link List<Tag>.Builder a consumer that will call methods on List<Tag>.Builder

@returns a reference to this object so that method calls can be chained together.

See List<Tag>.
",
"deprecated" : false,
"documentation" : "List of Tag for the requested Elasticsearch domain.

@param tagList a consumer that will call methods on List<Tag>.Builder

@returns a reference to this object so that method calls can be chained together.
",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "List of Tag for the requested Elasticsearch domain.

@param tagList List of Tag for the requested Elasticsearch domain.

@returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "List of Tag for the requested Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of Tag for the requested Elasticsearch domain.
",
"getterModel" : {
  "returnType" : "java.util.List<Tag>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TagList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "Tag",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\n
This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag.Builder()].\n
When the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link #member(Tag)] when the object is created.\n
@see #member(Tag)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "member",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n
The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "member",
    "getterDocumentation": "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.",
    "getterModel": {
      "returnType": "Tag",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocation": "PAYLOAD",
      "marshallLocationName": "member",
      "queryString": false,
    }
  }
}
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"setterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.",

"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
",xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
  "c2jName" : "TagList",
  "c2jShape" : "TagList",
  "defaultConsumerFluentSetterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.

This is a convenience that creates an instance of the {@link List<Tag>}.Builder
avoiding the need to create one manually via {@link List<Tag>#builder()}. When the {@link Consumer} completes,
{@link List<Tag>}.Builder#build() is called immediately and its result is passed to
{@link #tagList(List<Tag>)}. Returns a reference to this object so that method calls can be chained together.

@see #tagList(List<Tag>)",
  "deprecated" : false,
  "documentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "tagList",
  "fluentSetterMethodName" : "setTagList",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "tagList"}
"fluentSetterDocumentation" : 
"List of <code>Tag</code> for the requested Elasticsearch domain.

\n@returns A reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "tagList",
"getterDocumentation" : 
"List of <code>Tag</code> for the requested Elasticsearch domain.

\nAttempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

\n\n@returns List of <code>Tag</code> for the requested Elasticsearch domain.
",
"getterModel" : {
"returnType" : "java.util.List<Tag>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "Tag",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one
manually via [@link Tag#builder()]. When the [@link Consumer] completes, [@link Tag.Builder#build()] is
called immediately and its result is passed to [@link #member(Tag)].

@returns A reference to this object so that method calls can be chained
together.@see #member(Tag)",
"deprecated" : false,
"documentation" : ""}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.,",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.,",
"getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.,",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "returnType" : "Tag",
  "documentation" : null
}
"variableName": "member",
"variableType": "Tag",
"documentation": null,
"simpleType": "Tag",
"variableSetterType": "Tag"
],
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
],
"simple": false,
"simpleType": "Tag",
"templateImplType": "java.util.ArrayList<Tag>",
"templateType": "java.util.List<Tag>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "TagList",
"_sensitive": false,
"setterDocumentation": "<p> List of <code>Tag</code> for the requested Elasticsearch domain.</p>
@param tagList List of <code>Tag</code> for the requested Elasticsearch domain.
",
"setterMethodName": "setTagList",
"setterModel": {
  "variableDeclarationType": "java.util.List<Tag>",
  "variableName": "tagList",
  "variableType": "java.util.List<Tag>",
  "documentation": null,
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
],
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<Tag>"}
"variableName" : "tagList",
"variableType" : "java.util.List<Tag>",
"documentation" : "<p> List of <code>Tag</code> for the requested Elasticsearch domain.</p>",
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
] }
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListTagsResponse",
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ListTagsResponse",
    "variableName" : "listTagsResponse",
    "variableType" : "ListTagsResponse",
    "documentation" : null,
    "simpleType" : "ListTagsResponse",
    "variableSetterType" : "ListTagsResponse"
},
"wrapper" : false
},
"LogPublishingOption" : {
    "c2jName" : "LogPublishingOption",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p>Log Publishing option that is set for given domain. <br/>Attributes and their details: <ul>
<li>CloudWatchLogsLogGroupArn: ARN of the Cloudwatch log group to which log needs to be published.</li>
<li>Enabled: Whether the log publishing for given log type is enabled or not</li>
</ul></p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  {
    "beanStyleGetterMethodName" : "getCloudWatchLogsLogGroupArn",
    "beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
    "c2jName" : "CloudWatchLogsLogGroupArn",
    "c2jShape" : "CloudWatchLogsLogGroupArn",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String.Builder#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #cloudWatchLogsLogGroupArn(String) \}.\n\n@see #cloudWatchLogsLogGroupArn(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
    "fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n\n@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
    "getDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object.\n\n@return The value of the CloudWatchLogsLogGroupArn property for this object."
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "CloudWatchLogsLogGroupArn",
      "queryString" : false,
      "statusCode" : false,
      "strategy" : null
    }
  }
]
"unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this
object.\n\n@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property
for this object.\n",
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "\n<p> Specifies whether given log publishing option is enabled or not.\n\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to
create one manually via {@link Boolean#builder()}.\n\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to{@link #enabled(Boolean)}.\n\n@see #enabled(Boolean)"
  "deprecated" : false,
"documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.
@return Returns a reference to this object so that method calls can be chained together.”,
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@return Specifies whether given log publishing option is enabled or not.”,
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.
@return Specifies whether given log publishing option is enabled or not.”,
"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}]
,"membersAsMap" : {
 "CloudWatchLogsLogGroupArn" : {
 "beanStyleGetterMethodName" : "getCloudWatchLogsLogGroupArn",
 "beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
 "c2jName" : "CloudWatchLogsLogGroupArn",
 "c2jShape" : "CloudWatchLogsLogGroupArn",
 "defaultConsumerFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link CloudWatchLogsLogGroupArn(String)].\n@param cloudWatchLogsLogGroupArn a consumer that will call methods on [@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #cloudWatchLogsLogGroupArn(String)",
 "deprecated" : false,
 "documentation" : "",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventoPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
 "fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n"fluentSetterMethodName" : "cloudWatchLogsLogGroupArn",
 "getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object.\n@return The value of the CloudWatchLogsLogGroupArn property for this object."
,"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CloudWatchLogsLogGroupArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n\n@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.\n",
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : "",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CloudWatchLogsLogGroupArn",
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CloudWatchLogsLogGroupArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
  "uri" : false
}
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
"Enabled": {
"beanStyleGetterMethodName": "getEnabled",
"beanStyleSetterMethodName": "setEnabled",
"c2jName": "Enabled",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies whether given log publishing option is enabled or not.</p>
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean.Builder}. When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #enabled(Boolean)}.<p>@param enabled a consumer that will call methods on { @link Boolean.Builder}</p>
@return Returns a reference to this object so that method calls can be chained together.<p>@see #enabled(Boolean)
"deprecated": false,
"documentation": "<p>Specifies whether given log publishing option is enabled or not.</p>
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "enabled",
"fluentSetterDocumentation": "<p>Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "enabled",
"getterDocumentation": "<p>Specifies whether given log publishing option is enabled or not.</p>
@return Specifies whether given log publishing option is enabled or not."
,"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Enabled",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [
  { "beanStyleGetterMethodName" : "getCloudWatchLogsLogGroupArn",
    "beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
    "c2jName" : "CloudWatchLogsLogGroupArn",
    "c2jShape" : "CloudWatchLogsLogGroupArn",
    "defaultValueFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.

When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #cloudWatchLogsLogGroupArn(String) }.

@param cloudWatchLogsLogGroupArn a consumer that will call methods on { @link String.Builder }\n@returns Returns a reference to this object so that method calls can be chained
@see #cloudWatchLogsLogGroupArn(String)
  
  "deprecated" : false,
  "documentation" : ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventoHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
  "fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this
  object.
  
  \n  \n  @param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property
  for this object.
  \n  @return Returns a reference to this object so that method calls can be chained together.
  
  "fluentSetterMethodName" : "cloudWatchLogsLogGroupArn",
  "getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this
  object.
  \n  \n  \n  \n  @return The value of the CloudWatchLogsLogGroupArn property for this object.
  
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "CloudWatchLogsLogGroupArn",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "CloudWatchLogsLogGroupArn",
  "sensitive" : false,
  "setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this
  object.
  \n  \n  @param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property
  for this object.

for this object.

```
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultValueFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.

When the Consumer completes, Boolean.Builder is called immediately and its result is passed to the method parameter. This method returns a reference to this object so that method calls can be chained together."
```
  "deprecated" : false,
  "documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>

When the Consumer completes, Boolean.Builder is called immediately and its result is passed to the method parameter. This method returns a reference to this object so that method calls can be chained together."
```
  "fluentSetterMethodName" : "enabled",
  "getterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>

When the Consumer completes, Boolean.Builder is called immediately and its result is passed to the method parameter. This method returns a reference to this object so that method calls can be chained together."
```
  "getterModel" : {
```
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Enabled",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Enabled",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
 "marshallingType" : "BOOLEAN",
 "name" : "Enabled",
 "sensitive" : false,
 "setterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@param
 enabled Specifies whether given log publishing option is enabled or not."
 "setterMethodName" : "setEnabled",
 "setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "enabled",
 "variableType" : "Boolean",
 "documentation" : null,
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
 },
 "simple" : true,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "enabled",
 "variableType" : "Boolean",
 "documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>",
 "simpleType" : "Boolean",}
"variableSetterType" : "Boolean",
},
"xmlNameSpaceUri" : null
] ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LogPublishingOption",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "logPublishingOption",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"wrapper" : false
},
"LogPublishingOptionsStatus" : {
  "c2jName" : "LogPublishingOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The configured log publishing options for the domain and their current status.\n",\n  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getOptionsAsStrings",
"beanStyleSetterMethodName" : "setOptionsWithStrings",
"c2jName" : "Options",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The log publishing options configured for the
Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link
Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via { @link
Map<String,LogPublishingOption>#builder()}. When the { @link Consumer} completes, { @link
Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to { @link
#optionsAsStrings(Map<String,LogPublishingOption>)}. Returns a reference to this object so that method
calls can be chained together.

@param options a consumer that will call methods on
{ @link Map<String,LogPublishingOption>.Builder}
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "options",
"fluentEnumSetterMethodName" : "options",
"fluentGetterMethodName" : "optionsAsStrings",
"fluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch
domain.</p>
@param options The log publishing options configured for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "optionsWithStrings",
"getterDocumentation" : "<p>The log publishing options configured for the Elasticsearch
domain.</p>
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The log publishing options configured for the Elasticsearch domain.
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #keyAsString(String)\}.\n\n@param key a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : "LogType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "key",
    "fluentEnumSetterMethodName" : "key",
    "fluentGetterMethodName" : "keyAsString",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThe new value for the Key property for this object.\n\n@see LogType\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see LogType",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\nIf the service returns an enum value that is not available in the current SDK version, \{@link #key\} will return \{@link LogType#UNKNOWN_TO_SDK_VERSION\}. The raw value returned by the service is available from \{@link #keyAsString\}.\n\n@return The value of the Key property for this object.\n\n@see LogType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "key",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "key",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value"}
"c2jShape" : "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link LogPublishingOption.Builder} avoiding the need to create one manually via {@link LogPublishingOption#builder()}. When the {@link Consumer} completes, {@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to {@link #value(LogPublishingOption)}.

@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

When the Consumer completes, {@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to {@link #value(LogPublishingOption)}.

@see #value(LogPublishingOption)",
"getDocumentation" : "Returns the value of the Value property for this object.

@see #value(LogPublishingOption)",
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."
,"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},
"marshallingType": "MAP",
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p>The log publishing options configured for the Elasticsearch domain.</p>\n@param options The log publishing options configured for the Elasticsearch domain."
,"setterMethodName": "setOptionsWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>"
,"variableName": "options",
  "variableType": "java.util.Map<String,LogPublishingOption>"
,"documentation": null,
  "simpleType": "Map<String,LogPublishingOption>"
,"variableSetterType": "java.util.Map<String,LogPublishingOption>"
}
,"simple": false,
"timestampFormat": null,
"variable": {

"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "options",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>",
"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link OptionStatus.Builder#status(OptionStatus)}. @return Returns a reference to this object so that method calls can be chained together. @see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. @param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus.Builder</code> for the status information that's included. @return Returns a reference to this object so that method calls can be chained together.".,
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlnsNamespaceUri" : null}
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptionsAsStrings",
    "beanStyleSetterMethodName" : "setOptionsWithStrings",
    "c2jName" : "Options",
    "c2jShape" : "LogPublishingOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>}, avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}. When the {@link Consumer} completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link #optionsAsStrings(Map<String,LogPublishingOption>)}. When the Consumer completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link #optionsAsStrings(Map<String,LogPublishingOption>)}.<p>
@returns Returns a reference to this object so that method calls can be chained together.</p>
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
    "deprecated" : false,
    "documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
When the Consumer completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link #optionsAsStrings(Map<String,LogPublishingOption>)}. When the Consumer completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link #optionsAsStrings(Map<String,LogPublishingOption>)}.<p>
@returns Returns a reference to this object so that method calls can be chained together.</p>
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "options",
    "fluentEnumSetterMethodName" : "options",
    "fluentGetterMethodName" : "optionsAsStrings",
    "fluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
@param options The log publishing options configured for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
    "fluentSetterMethodName" : "optionsWithStrings",
    "getterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return The log publishing options configured for the Elasticsearch domain.
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
    "getterModel" : {
      "returnType" : "java.util.Map<String,LogPublishingOption>",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "Options",
      "queryString" : false,
      "statusCode" : false,
      "statusCondition" : false,
      "statusRemover" : false
    }
  }
}
"unmarshallLocationName" : "Options",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}. When a consumer a a consumer that will call methods on { @link String.Builder} it returns a reference to this object so that method calls can be chained together.

@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@see LogType

@returns Returns a reference to this object so that method calls can be chained together.

@see LogType",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}. It returns The value of the Key property for this object.

@see LogType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false,

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {

"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the [LogPublishingOption.Builder] avoiding the need to create one manually via LogPublishingOption#builder(). When the [Consumer] completes, LogPublishingOption.Builder#build() is called immediately and its result is passed to [value(LogPublishingOption)].

@returns a reference to this object so that method calls can be chained together.
@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@returns a reference to this object so that method calls can be chained together.

@see #value(LogPublishingOption)"

"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n
@param value The new value for the Value property for this object.\n
@\n
setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "The log publishing options configured for the Elasticsearch domain.\n
@param options The log publishing options configured for the Elasticsearch domain.\n
setterMethodName" : "setOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "The log publishing options configured for the Elasticsearch domain.",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null,
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.  
  <p>This is a convenience that creates an instance of the  
  { @link OptionStatus.Builder} avoiding the need to create one manually 
  via { @link OptionStatus#builder}().
  When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}. 
  As a consumer, it will create an OptionStatus object, which you will work with.
  </p>
  
  Example:
  <div class="highlight">
  <pre><code class="java">
  OptionStatus status = status(OptionStatus::builder)
      .withStatus(Status.fromBuilder(...))
      .build();
  </code></pre></div> 
  
  @param status a consumer that will call methods on { @link OptionStatus.Builder}
  @return Returns a reference to this object so that method calls can be chained 
  together.
  @see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.  
  
  Example:
  <div class="highlight">
  <pre><code class="java">
  OptionStatus status = status(OptionStatus::builder)
      .withStatus(Status.fromBuilder(...))
      .build();
  </code></pre></div> 
  
  @param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  @return Returns a reference to this object so that method calls can be chained together."",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.  
  
  Example:
  <div class="highlight">
  <pre><code class="java">
  OptionStatus status = status(OptionStatus::builder)
      .withStatus(Status.fromBuilder(...))
      .build();
  </code></pre></div> 
  
  @param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  @return Returns a reference to this object so that method calls can be chained together.
   
  Example:
  <div class="highlight">
  <pre><code class="java">
  OptionStatus status = status(OptionStatus::builder)
      .withStatus(Status.fromBuilder(...))
      .build();
  </code></pre></div> 
  
  @param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  @return Returns a reference to this object so that method calls can be chained together."",
  "getterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  
  Example:
  <div class="highlight">
  <pre><code class="java">
  OptionStatus status = status(OptionStatus::builder)
      .withStatus(Status.fromBuilder(...))
      .build();
  </code></pre></div> 
  
  @param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #status(OptionStatus)"
  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  },
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>\n@param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included."",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. "",
  "simpleType" : "OptionStatus"
"variableSetterType": "OptionStatus",
},
"xmlNameSpaceUri": null
}
},
"nonStreamingMembers": [{
  "beanStyleGetterMethodName": "getOptionsAsStrings",
  "beanStyleSetterMethodName": "setOptionsWithStrings",
  "c2jName": "Options",
  "c2jShape": "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>The log publishing options configured for the Elasticsearch domain.</p>
  This is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}. When the {@link Consumer} completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link #optionsAsStrings(Map<String,LogPublishingOption>)}.<p@param options a consumer that will call methods on {@link Map<String,LogPublishingOption>.Builder#build()} and return the result. Returns a reference to this object so that method calls can be chained together.</p>
  @return Returns a reference to this object so that method calls can be chained together.",
  "deprecated": false,
  "documentation": "The log publishing options configured for the Elasticsearch domain.
  Attempts to modify the collection returned by this method will result in an
  UnsupportedOperationException.
  @return The log publishing options configured for the Elasticsearch domain.
  @throws UnsupportedOperationException
  @see #optionsWithStrings(Map<String,LogPublishingOption>)",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "options",
  "fluentEnumSetterMethodName": "options",
  "fluentGetterMethodName": "optionsAsStrings",
  "fluentSetterMethodName": "optionsWithStrings",
  "fluentSetterDocumentation": "The log publishing options configured for the Elasticsearch domain.
  Attempts to modify the collection returned by this method will result in a
  UnsupportedOperationException.
  @return The log publishing options configured for the Elasticsearch domain.
  @throws UnsupportedOperationException
  @see #optionsWithStrings(Map<String,LogPublishingOption>)",
  "getterDocumentation": "The log publishing options configured for the Elasticsearch domain.
  Attempts to modify the collection returned by this method will result in an
  UnsupportedOperationException.
  @return The log publishing options configured for the Elasticsearch domain.
  @throws UnsupportedOperationException
  @see #optionsWithStrings(Map<String,LogPublishingOption>)",
  "getterModel": {
    "returnType": "java.util.Map<String,LogPublishingOption>",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}\n\n@see String.Builder\n\n@returns A reference to this object so that method calls can be chained together.\n\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : "LogType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "key",
    "fluentEnumSetterMethodName" : "key",
    "fluentGetterMethodName" : "keyAsString",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThe new value for the Key property for this object.\n\n@see LogType\n\n@returns A reference to this object so that method calls can be chained together.\n\n@see LogType",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}\n\n@returns The value of the Key property for this object\n\n@see LogType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "key",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "key",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}.
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{ @link LogPublishingOption.Builder \} avoiding the need to create one manually via \{ @link LogPublishingOption#builder() \}. When the \{ @link Consumer \} completes, \{ @link LogPublishingOption.Builder#build() \} is called immediately and its result is passed to \{ @link LogPublishingOption\}. \n\n@summary param value a consumer that will call methods on \{ @link LogPublishingOption.Builder\}\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n\n\n\nreturn value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@returns The value of the Value property for this object."
,"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"unmarshallLocationName" : "value",
"unmarshallLocationName" : "value",}
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": "",
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  "variableSetterType": "LogPublishingOption"
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"xmlNameSpaceUri": null
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"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
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"marshallingType": "MAP",
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"sensitive": false,
"setterDocumentation": "The log publishing options configured for the Elasticsearch domain.

@param options The log publishing options configured for the Elasticsearch domain.
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"documentation" : null,
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"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
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"variableName" : "options",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : "The log publishing options configured for the Elasticsearch domain.\n\nThe status of the log publishing options for the Elasticseach domain. See <code>OptionStatus</code> for the status information that's included.\n\nThis is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus.Builder#build()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link OptionStatus.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #status(OptionStatus)",
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"fluentEnumSetterMethodName" : null,
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"fluentSetterMethodName" : "status",
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"getterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #status(OptionStatus)",
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  "isPayload" : false,
  "isStreaming" : false,
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  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
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"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
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"name" : "Status",
"sensitive" : false,
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  "variableSetterType" : "OptionStatus"
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  "variableType" : "OptionStatus"}
"documentation": "The status of the log publishing options for the Elasticsearch domain. See OptionStatus for the status information that's included."

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"variableSetterType": "OptionStatus"
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"variableType": "LogPublishingOptionsStatus",
"documentation": null,
"simpleType": "LogPublishingOptionsStatus",
"variableSetterType": "LogPublishingOptionsStatus"
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"wrapper": false
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"LogType": {
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"customization": {
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
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"deprecated": false,
"documentation": "Type of Log File, it can be one of the following: <ul>
<li>INDEX_SLOW_LOGS: Index slow logs contain insert requests that took more time than configured index query log threshold to execute.</li>
<li>SEARCH_SLOW_LOGS: Search slow logs contain search queries that took more time than configured search query log threshold to execute.</li>
<li>ES_APPLICATION_LOGS: Elasticsearch application logs contain information about errors and warnings raised during the operation of the service and can be useful for troubleshooting.</li>
</ul>
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"value": "INDEX_SLOW_LOGS"
},
{ "name": "SEARCH_SLOW_LOGS"
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"value" : "SEARCH_SLOW_LOGS"
},
{
"name" : "ES_APPLICATION_LOGS",
"value" : "ESAPPLICATIONLOGS"
}
],
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
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"requestSignerClassFqcn" : null,
"required" : null,
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"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
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"variableName" : "logType",
"variableType" : "LogType",
"documentation" : null,
"simpleType" : "LogType",
"variableSetterType" : "LogType"
},
"wrapper" : false
},
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"c2jName" : "NodeToNodeEncryptionOptions",
"customization" : {
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Specifies the node-to-node encryption options.</p>"
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"errorCode": null,
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"hasPayloadMember": false,
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"hasStreamingMember": false,
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"marshaller": null,
"members": [
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    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "\n<p>Specify true to enable node-to-node encryption.</p>\n\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}.\n\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.\n\n@param enabled a consumer that will call methods on {@link Boolean.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #enabled(Boolean)",
    "deprecated": false,
    "documentation": "\n<p>Specify true to enable node-to-node encryption.</p>",
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    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
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    "fluentSetterDocumentation": "\n<p>Specify true to enable node-to-node encryption.</p>
\nSpecify true to enable node-to-node encryption.\n\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodSignature": null,
    "getterDocumentation": "\n<p>Specify true to enable node-to-node encryption.\n\nSpecify true to enable node-to-node encryption.\n\n@return Specify true to enable node-to-node encryption.
\n@see #enabled(Boolean)",
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"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
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"listModel" : null,
"map" : false,
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"setterModel" : {
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  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
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  "variableSetterType" : "Boolean"
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"simple" : true,
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  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"xmlNameSpaceUri" : null
}],
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    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "setterMethodName" : "setEnabled",
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      "simpleType" : "Boolean",
      "variableSetterType" : "Boolean"
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      "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
      "simpleType" : "Boolean",
      "variableSetterType" : "Boolean"
    },
    "xmlNameSpaceUri" : null
  }
]}.
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.<p>@param enabled a consumer that will call methods on {@link Boolean.Builder}.</p>@return Returns a reference to this object so that method calls can be chained together.<p>@see #enabled(Boolean)
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"documentation" : "<p>Specify true to enable node-to-node encryption.</p>"
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@return Returns a reference to this object so that method calls can be chained together.
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"isStreaming" : false,
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"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
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"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
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    "variableSetterType" : "Boolean"
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    "documentation" : "&lt;p&gt;Specify true to enable node-to-node encryption.&lt;/p&gt;",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
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        "beanStyleSetterMethodName" : "setEnabled",
        "c2jName" : "Enabled",
        "c2jShape" : "Boolean",
        "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specify true to enable node-to-node encryption.&lt;/p&gt;\n\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()).\n\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.\n\n@p @param enabled a consumer that will call methods on {@link Boolean.Builder}\n@p @return Returns a reference to this object so that method calls can be chained together.\n\n@see #enabled(Boolean)"
    }
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@return Returns a reference to this object so that method calls can be chained together.",
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  "documentation" : null
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
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  "isStreaming" : false,
  "location" : null,
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  "marshallLocationName" : "Enabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Enabled",
  "uri" : false
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"isBinary" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
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  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
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"variableSetterType": "Boolean"
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"variableName": "nodeToNodeEncryptionOptions",
"variableType": "NodeToNodeEncryptionOptions",
"documentation": null,
"simpleType": "NodeToNodeEncryptionOptions",
"variableSetterType": "NodeToNodeEncryptionOptions"
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"wrapper": false

"NodeToNodeEncryptionOptionsStatus": {
"c2jName": "NodeToNodeEncryptionOptionsStatus",
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"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
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"deprecated": false,
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"enums": null,
"errorCode": null,
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"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  <p>This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}. When the {@link Consumer} completes, the result is passed to the @link NodeToNodeEncryptionOptions.Builder#build() method and then returned. This method can be chained with other methods. See #options(NodeToNodeEncryptionOptions),</p>
  "deprecated" : false,
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
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  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
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  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
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  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
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  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
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  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
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  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  <p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>"},
  "endpointDiscoveryId" : false,
  "enumType" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "Specifies the node-to-node encryption options for the specified Elasticsearch domain."
@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : {
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  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "Specifies the node-to-node encryption options for the specified Elasticsearch domain."
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.

This is a convenience that creates an instance of the
OptionStatus.Builder} avoiding the need to create one manually via [@link OptionStatus#builder()].

When the [@link Consumer] completes, [@link OptionStatus.Builder#build()] is called immediately and its result is passed to [@link status(OptionStatus)].

@see #status(OptionStatus)

Specify the status of the node-to-node encryption options for the specified Elasticsearch domain.

<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

@deprecated

Returns a reference to this object so that method calls can be chained together.

```

@link OptionStatus#builder()

When the @link Consumer completes, @link OptionStatus.Builder#build() is called immediately and its result is passed to @link status(OptionStatus).

@see #status(OptionStatus)

```

`@param status a consumer that will call methods on @link OptionStatus.Builder`

```

`@return Returns a reference to this object so that method calls can be chained together.

```

@see #status(OptionStatus)

```
Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain. 

@parameter {param} status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.

```java
public void setStatus(String status) {
  // Implementation
}
```

This is a convenience that creates an instance of the NodeToNodeEncryptionOptions.Builder class avoiding the need to create one manually.

```java
public void setOptions(NodeToNodeEncryptionOptions options) {
  // Implementation
}
```

Returns a reference to this object so that method calls can be chained together.

```java
public NodeToNodeEncryptionOptionsBuilder withOptions(NodeToNodeEncryptionOptions options) {
  // Implementation
  return this;
}
```

@see NodeToNodeEncryptionOptions

@deprecated

This method is deprecated and will be removed in a future version.

```java
public NodeToNodeEncryptionOptionsBuilder build() {
  // Implementation
  return new NodeToNodeEncryptionOptions();
}
```

Returns a reference to this object so that method calls can be chained together.

```java
public NodeToNodeEncryptionOptionsBuilder build() {
  // Implementation
  return new NodeToNodeEncryptionOptions();
}
```

@see NodeToNodeEncryptionOptions

@deprecated

This method is deprecated and will be removed in a future version.

```java
public NodeToNodeEncryptionOptionsBuilder withEncryptionOptions(NodeToNodeEncryptionOptions options) {
  // Implementation
  return this;
}
```

Returns a reference to this object so that method calls can be chained together.

```java
public NodeToNodeEncryptionOptionsBuilder withEncryptionOptions(NodeToNodeEncryptionOptions options) {
  // Implementation
  return this;
}
```

@see NodeToNodeEncryptionOptions

@deprecated

This method is deprecated and will be removed in a future version.

```java
public void setsecure(boolean secure) {
  // Implementation
}
```

This method is deprecated and will be removed in a future version.

```java
public void setsecure(boolean secure) {
  // Implementation
}
```

This method is deprecated and will be removed in a future version.

```java
public void setsecure(boolean secure) {
  // Implementation
}
```

This method is deprecated and will be removed in a future version.

```java
public void setsecure(boolean secure) {
  // Implementation
}
```

This method is deprecated and will be removed in a future version.
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "options",
"getterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@return Specifies the node-to-node encryption options for the specified Elasticsearch domain.",
"getterModel": {
"returnType": "NodeToNodeEncryptionOptions",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Options",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
"variableDeclarationType": "NodeToNodeEncryptionOptions",
"getterModel": null,
"getterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@return Specifies the node-to-node encryption options for the specified Elasticsearch domain.",
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"getterSetterMethodName": null,
"getterSetterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"setterSetterMethodName": null,
"setterSetterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"setterSetterModel": null,
"getterSetterModel": null,
"getterSetterSetterMethodName": null,
"getterSetterSetterDocumentation": null,
"setterSetterSetterMethodName": null,
"setterSetterSetterModel": null,
"variableName" : "options",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null,
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>"
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>" ,
"deprecated" : false,
"documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
Elasticsearch domain.

```
"getterModel": {
    "returnType": "OptionStatus",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "Status",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "Status",
    "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "SDK_POJO",

"name": "Status",

"sensitive": false,

"setterDocumentation": "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.",

"setterMethodName": "setStatus",

"setterModel": {
    "variableDeclarationType": "OptionStatus",
    "variableName": "status",
    "variableType": "OptionStatus",
    "documentation": null,
    "simpleType": "OptionStatus",
    "variableSetterType": "OptionStatus"
},

"simple": false,

"timestampFormat": null,

"variable": {
    "variableDeclarationType": "OptionStatus",
    "variableName": "status",
```
"variableType" : "OptionStatus",
"documentation" : "\n<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.\n</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "\n<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n</p>\nThis is a convenience that creates an instance of the \n{@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via \n{@link NodeToNodeEncryptionOptions#builder()}\nWhen the \n{@link Consumer} completes, \n{@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to \n{@link #options(NodeToNodeEncryptionOptions)}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(NodeToNodeEncryptionOptions)"
,  
"deprecated" : false,
"documentation" : "\n<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "\n<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n</p>\n@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(NodeToNodeEncryptionOptions)"
,  
"getterDocumentation" : "\n<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n</p>",
"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>\n\n@\n\n@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getStatus",
 "beanStyleSetterMethodName" : "setStatus",
 "c2jName" : "Status"
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the [@link Consumer] completes, [@link OptionStatus.Builder#build()] is called immediately and its result is passed to [@link #status(OptionStatus)].

When the [ @link status(OptionStatus) ] completes, a consumer that will call methods on [ @link OptionStatus.Builder ] is called immediately and its result is passed to [ @link #status(OptionStatus) ].

In param status a consumer that will call methods on [ @link OptionStatus.Builder ] is called immediately and its result is passed to [ @link #status(OptionStatus) ].

@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
@return Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.
",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.

@code

```java
public class NodeToNodeEncryptionOptionsStatus {
    private OptionStatus status;

    public OptionStatus getStatus() {
        return status;
    }

    public void setStatus(OptionStatus status) {
        this.status = status;
    }
}
```

@endcode

Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.
"variableSetterType" : "NodeToNodeEncryptionOptionsStatus",
},
"wrapper" : false
},
"OptionState" : {
"c2jName" : "OptionState",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "The state of a requested change. One of the following:
<li>Processing: The request change is still in-process.</li>
<li>Active: The request change is processed and deployed to the Elasticsearch domain.</li>
"endpointDiscovery" : null,
"enums" : [ {
"name" : "REQUIRES_INDEX_DOCUMENTS",
"value" : "RequiresIndexDocuments"
}, {
"name" : "PROCESSING",
"value" : "Processing"
}, {
"name" : "ACTIVE",
"value" : "Active"
} ],
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "OptionState",
"simpleMethod" : false,
"unmarshaller" : { "flattened" : false,
"resultWrapper" : null,
},
"variable" : {
  "variableDeclarationType" : "OptionState",
  "variableName" : "optionState",
  "variableType" : "OptionState",
  "documentation" : null,
  "simpleType" : "OptionState",
  "variableSetterType" : "OptionState"
},
"wrapper" : false
},
"OptionStatus" : {
  "c2jName" : "OptionStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Provides the current status of the entity.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getCreationDate",
    "beanStyleSetterMethodName" : "setCreationDate",
    "c2jName" : "CreationDate",
    "c2jShape" : "UpdateTimestamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder#builder()}. When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link Instant.Builder#build()}.

- **creationDate**: a consumer that will call methods on {@link Instant.Builder}.
- **param creationDate**: a consumer that will call methods on {@link Instant.Builder}. Returns a reference to this object so that method calls can be chained together. See #creationDate(Instant)",
  "deprecated" : false,
  "documentation" : "<p>Timestamp which tells the creation date for the entity.</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "creationDate",
"fluentSetterMethodName" : "creationDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together."
,"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@return Timestamp which tells the creation date for the entity."
,"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CreationDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CreationDate",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "CreationDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together."
,"setterMethodName" : "setCreationDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
"
"variableName" : "creationDate",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "creationDate",
"variableType" : "java.time.Instant",
"documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getUpdateDate",
"beanStyleSetterMethodName" : "setUpdateDate",
"c2jName" : "UpdateDate",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>\n\nThis is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant#builder()}.\n\nWhen the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #updateDate(Instant)}.\n\n@see #updateDate(Instant)",
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateDate",
"fluentSetterMethodName" : "updateDate",
"getterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "UpdateDate",
"setterMethodPackage" : "com.example",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "updateDate",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "updateDate",
"variableType" : "java.time.Instant",
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>\n\n@param updateDate Timestamp which tells the last updated time for the entity.",
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},

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"beanStyleGetterMethodName" : "getUpdateVersion",
"beanStyleSetterMethodName" : "setUpdateVersion",
"c2jName" : "UpdateVersion",
"c2jShape" : "UIntValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity.<br/>This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via<br/>{@link Integer#builder()}.<br/>When the {@link Consumer} completes, the function of the provided Consumer is called immediately and its result is passed to<br/>{@link #updateVersion(Integer)}.<br/>@param updateVersion a consumer that will call methods on<br/>{@link Integer.Builder} <br/>@return Returns a reference to this object so that method calls can be chained together.<br/>@see #updateVersion(Integer)",
"deprecated" : false,
"documentation" : "<p>Specifies the latest version for the entity.<br/></p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateVersion",
"fluentSetterMethodName" : "updateVersion",
"fluentSetterDocumentation" : "<p>Specifies the latest version for the entity.<br/>Specifies the latest version for the entity.<br/>@return Returns a reference to this object so that method calls can be chained together.<br/>",
"getterDocumentation" : "<p>Specifies the latest version for the entity.<br/>Specifies the latest version for the entity.<br/>@return Specifies the latest version for the entity.<br/>
",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "UpdateVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@param updateVersion Specifies the latest version for the entity.,
"setterMethodName" : "setUpdateVersion",
"setterModel" : { 
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  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
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"timestampFormat" : null,
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  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the latest version for the entity.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null}
"fluentGetterMethodName" : "stateAsString",
"fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.<br>\n@\param state Provides the <code>OptionState</code> for the Elasticsearch domain.<br>\n@see OptionState<br>\n@return Returns a reference to this object so that method calls can be chained together.<br>\n@see OptionState",
"fluentSetterMethodName" : "state",
"getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.<br><br>\nIf the service returns an enum value that is not available in the current SDK version, [@link #\state] will return [@link OptionState#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #\stateAsString].\n\n\n\n@see OptionState",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "State",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"sensitive" : false,
"setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.<br>\n@\param state Provides the <code>OptionState</code> for the Elasticsearch domain.<br>\n@see OptionState",
"setterMethodName" : "setState",
"setterModel" : {
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    "variableName" : "state"
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getPendingDeletion",
"beanStyleSetterMethodName" : "setPendingDeletion",
"c2jName" : "PendingDeletion",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to
create one manually via {@link Boolean.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link
Boolean.Builder#build()} is called immediately and its result is passed to {@link
#pendingDeletion(Boolean)}.\n@param pendingDeletion a consumer that will call methods on {@link
Boolean.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #pendingDeletion(Boolean)",
"deprecated" : false,
"documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "pendingDeletion",
"fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "pendingDeletion",
"getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@returns Indicates whether the Elasticsearch domain is being deleted.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PendingDeletion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PendingDeletion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null} 

"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted."
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
} 


"membersAsMap": {
  "CreationDate": {
    "beanStyleGetterMethodName": "getCreationDate",
    "beanStyleSetterMethodName": "setCreationDate",
    "c2jName": "CreationDate",
    "c2jShape": "UpdateTimestamp",
    "defaultConsumerFluentSetterDocumentation": "&lt;p&gt;Timestamp which tells the creation date for the entity.&lt;/p&gt;\nThis is a convenience that creates an instance of the {[@link Instant.Builder]} avoiding the need to create one manually via {[@link Instant.Builder()]}.\nWhen the {[@link Consumer]} completes, {[@link Instant.Builder#build()]} is called immediately and its result is passed to {[@link #creationDate(Instant)]}.\n@param creationDate a consumer that will call methods on {[@link Instant.Builder]}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #creationDate(Instant)",
    "deprecated": false,
    "documentation": "&lt;p&gt;Timestamp which tells the creation date for the entity.&lt;/p&gt;",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "creationDate",
    "fluentSetterDocumentation": "&lt;p&gt;Timestamp which tells the creation date for the entity.&lt;/p&gt;\n@param creationDate Timestamp which tells the creation date for the entity.\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "creationDate",
    "getterDocumentation": "&lt;p&gt;Timestamp which tells the creation date for the entity.&lt;/p&gt;\n@return Timestamp which tells the creation date for the entity.",
    "getterModel": {
      "returnType": "java.time.Instant",
      "documentation": null
    },
    "http": {
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      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": null,
      "marshallLocation": "PAYLOAD",
      "marshallLocationName": "CreationDate",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "CreationDate",
      "uri": false
    },
    "idempotencyToken": false,
  }
}
"isBinary": false,
"jsonValue": false,
"list": false,
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"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "CreationDate",
"敏感": false,
"setterDocumentation": "<p>Timestamp which tells the creation date for the entity.&lt;/p&gt;
@param creationDate Timestamp which tells the creation date for the entity.",
"setterMethodName": "setCreationDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "creationDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "creationDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp which tells the creation date for the entity.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
"PendingDeletion": {
  "beanStyleGetterMethodName": "getPendingDeletion",
  "beanStyleSetterMethodName": "setPendingDeletion",
  "c2jName": "PendingDeletion",
  "c2jShape": "Boolean",
  "defaultConsumerFluentSetterDocumentation": "<p>Indicates whether the Elasticsearch domain is being deleted.&lt;/p&gt;
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to the method that will call methods on the object.
@link Boolean.Builder#build() Returns a reference to this object so that method calls can be chained together.
@deprecated Indicates whether the Elasticsearch domain is being deleted.&lt;/p&gt;",
  "deprecated": false,
  "documentation": "<p>Indicates whether the Elasticsearch domain is being deleted.&lt;/p&gt;",
  "endpointDiscoveryId": false,
  "enumType": null,
"eventIdHeader" : false,
"eventIdPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "pendingDeletion",
"fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.<p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "pendingDeletion",
"getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.<p>
@return Indicates whether the Elasticsearch domain is being deleted.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PendingDeletion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PendingDeletion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"sensitive" : false,
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.<p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.",
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean"
"documentation" : null,
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "State",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"name" : "state",
"type" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@<param state Provides the <code>OptionState</code> for the Elasticsearch domain.<p>@see OptionState", "setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@<param state Provides the <code>OptionState</code> for the Elasticsearch domain.<p>@see OptionState", "setterMethodName" : "setState",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "state",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},
"UpdateDate" : {
"beanStyleGetterMethodName" : "getUpdateDate",
"beanStyleSetterMethodName" : "setUpdateDate",
"c2jName" : "UpdateDate",
"c2jShape" : "UpdateTimestamp",
"defaultValue" : {
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder}. When the {@link Consumer} completes, the result is passed to the consumer that will call methods on the entity.

@return Returns a reference to this object so that method calls can be chained together.
@see #updateDate(Instant)"
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity.
@return Returns a reference to this object so that method calls can be chained together.
@see #updateDate(Instant)",
"getterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@return Timestamp which tells the last updated time for the entity.
@see #updateDate(Instant)"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateDate"}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "UpdateDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param
updateDate Timestamp which tells the last updated time for the entity.",
"setterMethodName" : "setUpdateDate",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "updateDate",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "updateDate",
"variableType" : "java.time.Instant",
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"UpdateVersion" : {
"beanStyleGetterMethodName" : "getUpdateVersion",
"beanStyleSetterMethodName" : "setUpdateVersion",
"c2jName" : "UpdateVersion",
"c2jShape" : "UIntValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#build()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link updateVersion(Integer)}. @param updateVersion a consumer that will call methods on { @link Integer.Builder} @see updateVersion(Integer)",
"deprecated" : false,
"documentation" : "<p>Specifies the latest version for the entity.</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateVersion",
"fluentSetterMethodName" : "updateVersion",
"getterDocumentation" : "<p>Specifies the latest version for the entity.</p>@param updateVersion
Specifies the latest version for the entity.</p>@return Returns a reference to this object so that method calls can be chained together.",
"getterMethodName" : "setUpdateVersion",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "UpdateVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the latest version for the entity.</p>@param updateVersion
Specifies the latest version for the entity.",
"setterMethodName" : "setUpdateVersion",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "updateVersion",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the latest version for the entity.</p>
  ",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getCreationDate",
    "beanStyleSetterMethodName" : "setCreationDate",
    "c2jName" : "CreationDate",
    "c2jShape" : "UpdateTimestamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
    
This is a convenience that creates an instance of the { @link Instant.Builder } avoiding the need to create one manually via { @link Instant.Builder() }. When the { @link Consumer } completes, { @link Instant.Builder#build() } is called immediately and its result is passed to { @link #creationDate(Instant) }.  

@param creationDate a consumer that will call methods on { @link Instant.Builder }  
@return Returns a reference to this object so that method calls can be chained together.  
@see #creationDate(Instant)",
  "deprecated" : false,
  "documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "creationDate",
  "fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
    
@throws 
@link Instant.Builder#build() is called immediately and its result is passed to { @link #creationDate(Instant) }.

@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.
@see #creationDate(Instant)",
  "fluentSetterMethodName" : "creationDate",
  "getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
    
@throws 
@link Instant.Builder#build() is called immediately and its result is passed to { @link #creationDate(Instant) }.

@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.
@see #creationDate(Instant)",
  "getterModel" : {
    "returnType" : "java.time.Instant",
    "documentation" : null
  }
]
"setterDocumentation": "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.",
"setterMethodName": "setCreationDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "creationDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "creationDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp which tells the creation date for the entity.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
}
"xmlNameSpaceUri" : null,
{
"beanStyleGetterMethodName" : "getUpdateDate",
"beanStyleSetterMethodName" : "setUpdateDate",
"c2jName" : "UpdateDate",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity. This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder#builder()}. When the {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #updateDate(Instant)}.

The method calls can be chained together.

@see #updateDate(Instant)"
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>

When the method calls can be chained together.

@see #updateDate(Instant)"
"idempotencyToken" : false,

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "UpdateDate",
"_sensitive": false,
"setterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity."

"setterMethodName": "setUpdateDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "updateDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "updateDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null

"beanStyleGetterMethodName": "getUpdateVersion",
"beanStyleSetterMethodName": "setUpdateVersion",
"c2jName": "UpdateVersion",
"c2jShape": "UIntValue",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the latest version for the entity.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via
[@link Integer#builder()].
When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #updateVersion(Integer)]

@deprecated
@see #updateVersion(Integer)"

"documentation": "<p>Specifies the latest version for the entity.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"variableSetterType" : "Integer",
],
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Integer",
   "variableName" : "updateVersion",
   "variableType" : "Integer",
   "documentation" : "<p>Specifies the latest version for the entity.</p>",
   "simpleType" : "Integer",
   "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
   "beanStyleGetterMethodName" : "getStateAsString",
   "beanStyleSetterMethodName" : "setState",
   "c2jName" : "State",
   "c2jShape" : "OptionState",
   "defaultConsumerFluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {<link String.Builder> avoiding the need to create one manually via {<link String.Builder>}.
When the {<link Consumer> completes, {<link String.Builder#build()> is called immediately and its result is passed to {<link #stateAsString(String)}>.
@param state a consumer that will call methods on {<link String.Builder>}
@return Returns a reference to this object so that method calls can be chained together.
@see #state(String)",
   "deprecated" : false,
   "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
   "endpointDiscoveryId" : false,
   "enumType" : "OptionState",
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : "state",
   "fluentEnumSetterMethodName" : "state",
   "fluentGetterMethodName" : "stateAsString",
   "fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
   @param state Provides the <code>OptionState</code> for the Elasticsearch domain.
   @see OptionState
   @return Returns a reference to this object so that method calls can be chained together.
   @see OptionState",
   "fluentSetterMethodName" : "state",
   "getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
   @pIf the service returns an enum value that is not available in the current SDK version, {<link #state> will return {<link OptionState#UNKNOWN_TO_SDK_VERSION>}. The raw value returned by the service is available from {<link #stateAsString>}
   @return Provides the <code>OptionState</code> for the Elasticsearch domain.
   @see OptionState",
   "getterModel" : {
      "returnType" : "String",
      "documentation" : null
   },
   "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "State",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"敏感" : false,
"setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@param state Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.
This is a convenience that creates an instance of the [ @link Boolean.Builder] avoiding the need to create one manually via [ @link Boolean.Builder()].
When the [ @link Consumer] completes, [ @link Boolean.Builder#build()] is called immediately and its result is passed to [ @link #pendingDeletion(Boolean)].
@n@param pendingDeletion a consumer that will call methods on [ @link Boolean.Builder];
@n@return Returns a reference to this object so that method calls can be chained together;
@n@see #pendingDeletion(Boolean)",
"deprecated" : false,
"documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "pendingDeletion",
"fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.<p>
@n@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted;
@n@return Returns a reference to this object so that method calls can be chained together;
@n@see #pendingDeletion(Boolean)",
"getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PendingDeletion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PendingDeletion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "CreationDate", "UpdateDate", "State" ],
"shapeName" : "OptionStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "optionStatus",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
$\texttt{PurchaseReservedElasticsearchInstanceOffering}$\n",  "endpointDiscovery" : null,  "enums" : null,  "errorCode" : null,  "event" : false,  "eventStream" : false,  "explicitEventPayloadMember" : null,  "hasHeaderMember" : false,  "hasPayloadMember" : false,  "hasStatusCodeMember" : false,  "hasStreamingMember" : false,  "httpStatusCode" : null,  "marshaller" : {  "action" : "PurchaseReservedElasticsearchInstanceOffering",  "locationName" : null,  "requestUri" : "/2015-01-01/es/purchaseReservedInstanceOffering",  "target" : null,  "verb" : "POST",  "xmlNameSpaceUri" : null  },  "members" : [  {  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",  "c2jName" : "ReservedElasticsearchInstanceOfferingId",  "c2jShape" : "GUID",  "deprecated" : false,  "documentation" : "The ID of the reserved Elasticsearch instance offering to purchase.\nThis is a convenience that creates an instance of the $\texttt{String.Builder}$ avoiding the need to create one manually via $\texttt{String.Builder()}$.\nWhen the $\texttt{String.Builder}\$ completes, $\texttt{String.Builder#build()}$ is called immediately and its result is passed to $\texttt{reservedElasticsearchInstanceOfferingId(String)}$ a consumer that will call methods on $\texttt{String.Builder}\$ returns a reference to this object so that method calls can be chained together.\n$\texttt{reservedElasticsearchInstanceOfferingId(String)}$\n"}  ],  "soap\n"}}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.
\n@\param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.
\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.
\n@return The ID of the reserved Elasticsearch instance offering to purchase.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null,
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.
\n@\param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
   "variableDeclarationType" : "String",
}
"variableName": "reservedElasticsearchInstanceOfferingId",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"},

{ "simple": true,
"timestampFormat": null,
"variable": { "variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceOfferingId",
"variableType": "String",
"documentation": "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
"simpleType": "String",
"variableSetterType": "String"},

"xmlNameSpaceUri": null
}, { "beanStyleGetterMethodName": "getReservationName",
"beanStyleSetterMethodName": "setReservationName",
"c2jName": "ReservationName",
"c2jShape": "ReservationToken",
"defaultConsumerFluentSetterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #reservationName(String)].

@see #reservationName(String)"
,
"deprecated": false,
"documentation": "<p>A customer-specified identifier to track this reservation.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservationName",
"fluentSetterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>
@param reservationName A customer-specified identifier to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)"
,
"getterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>

@returns Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)"}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ReservationName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ReservationName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservationName",
" sensitive": false,
"setterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>
@param reservationName A customer-specified identifier to track this reservation."
,"setterMethodName": "setReservationName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservationName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservationName",
  "variableType": "String",
  "documentation": "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
The number of Elasticsearch instances to reserve.

This is a convenience that creates an instance of the 
** Integer.Builder ** avoiding the need to create one manually via 
** Integer.Builder#builder() **.

When the 
** Consumer ** completes, 
** Integer.Builder#build() ** is called immediately and its result is passed to 
** instanceCount(Integer) **.

The number of Elasticsearch instances to reserve.

The number of Elasticsearch instances to reserve.

Returns a reference to this object so that method calls can be chained together.

Returns the number of Elasticsearch instances to reserve.

null
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "InstanceCount",
"setterDocumentation": "The number of Elasticsearch instances to reserve.",
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "The number of Elasticsearch instances to reserve.",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "InstanceCount": {
    "beanStyleGetterMethodName": "getInstanceCount",
    "beanStyleSetterMethodName": "setInstanceCount",
    "c2jName": "InstanceCount",
    "c2jShape": "InstanceCount",
    "defaultConsumerFluentSetterDocumentation": "The number of Elasticsearch instances to reserve."
  },
  "deprecated": false,
  "documentation": "The number of Elasticsearch instances to reserve."
},
"endpointDiscoveryId": false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount The number of Elasticsearch instances to reserve.
@return Returns a reference to this object so that method calls can be chained together."
"getterMethodName" : "setInstanceCount",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "InstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount The number of Elasticsearch instances to reserve.
@return The number of Elasticsearch instances to reserve.",
"setterMethodName" : "getInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount"
"variableType": "Integer",
"documentation": null,
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Integer",
"variableName": "instanceCount",
"variableType": "Integer",
"documentation": "&lt;p&gt;The number of Elasticsearch instances to reserve.&lt;/p&gt;",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"ReservationName": {
"beanStyleGetterMethodName": "getReservationName",
"beanStyleSetterMethodName": "setReservationName",
"c2jName": "ReservationName",
"c2jShape": "ReservationToken",
"defaultConsumerFluentSetterDocumentation": "&lt;p&gt;A customer-specified identifier to track this reservation.&lt;/p&gt;&lt;n&gt;\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)}.\n\n@param reservationName a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservationName(String)",
"deprecated": false,
"documentation": "&lt;p&gt;A customer-specified identifier to track this reservation.&lt;/p&gt;",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservationName",
"fluentSetterDocumentation": "&lt;p&gt;A customer-specified identifier to track this reservation.&lt;/p&gt;&lt;n&gt;\n@param reservationName A customer-specified identifier to track this reservation.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservationName(String)",
"fluentSetterMethodName": "reservationName",
"getterDocumentation": "&lt;p&gt;A customer-specified identifier to track this reservation.&lt;/p&gt;&lt;n&gt;\n@return A customer-specified identifier to track this reservation.\n\n@see #reservationName(String)",
"getterModel": {
"returnType": "String",
"documentation": null
}
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@param
reservationName A customer-specified identifier to track this reservation.
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"ReservedElasticsearchInstanceOfferingId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [ReservedElasticsearchInstanceOfferingId(String)].
  
  @param reservedElasticsearchInstanceOfferingId a consumer that will call methods on [String.Builder] returns a reference to this object so that method calls can be chained together.
  @see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
  "documentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
  "getterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "uri" : false
  }
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via {@link String.Builder}.

When the [@link Consumer] completes, {@link String.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on the object returned. Returns a reference to this object so that method calls can be chained together. @see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
"documentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@return The ID of the reserved Elasticsearch instance offering to purchase.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.
",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
"returnType" : "String",
"documentation" : null
}
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {
@link StringReservationName(String).@return Returns a reference to this object so that method calls can be chained together.@see #reservationName(String)}.
"deprecated" : false,
"documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@<p>A customer-specified identifier to track this reservation.</p>
@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@<p>A customer-specified identifier to track this reservation.</p>
@return Returns a reference to this object so that method calls can be chained together.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
"
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ReservationName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ReservationName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservationName",
"sensitive": false,
"setterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>
@param
reservationName A customer-specified identifier to track this reservation.",
"setterMethodName": "setReservationName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservationName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservationName",
  "variableType": "String",
  "documentation": "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
}
"xmlNameSpaceUri": null,
{
"beanStyleGetterMethodName": "getInstanceCount",
"beanStyleSetterMethodName": "setInstanceCount",
"c2jName": "InstanceCount",
"c2jShape": "InstanceCount",
"defaultValueConsumerSetterDocumentation": "<p>The number of Elasticsearch instances to reserve.</p>
This is a convenience that creates an instance of the @link Integer.Builder avoiding the need to create one manually via {@link Integer.Builder}.
When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #instanceCount(Integer)}.

@see #instanceCount(Integer)",
"deprecated": false,
"documentation": "<p>The number of Elasticsearch instances to reserve.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "instanceCount",
"fluentSetterDocumentation": "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount The number of Elasticsearch instances to reserve.
@return Returns a reference to this object so that method calls can be chained together.
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "InstanceCount",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceCount",
"uri": false
},
The number of Elasticsearch instances to reserve.

@param instanceCount

The number of Elasticsearch instances to reserve.


"PurchaseReservedElasticsearchInstanceOfferingResponse" : {
  "c2jName" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthUnmarshaller" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Represents the output of a
<code>PurchaseReservedElasticsearchInstanceOffering</code> operation.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    {
      "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
      "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
      "c2jName" : "ReservedElasticsearchInstanceId",
      "c2jShape" : "GUID",
      "deprecated" : false,
      "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String\nBuilder#build()} is called immediately and its result is passed to {@link
#reservedElasticsearchInstanceId(String)}.\n@see #reservedElasticsearchInstanceId(String)\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #reservedElasticsearchInstanceId(String)"
    }
  ],
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    {
      "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
      "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
      "c2jName" : "ReservedElasticsearchInstanceId",
      "c2jShape" : "GUID",
      "deprecated" : false,
      "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>\n"endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
      "fluentEnumSetterMethodName" : null,
      "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
      "fluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>\n@see #reservedElasticsearchInstanceId(String)\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #reservedElasticsearchInstanceId(String)"
  ]
};
purchased.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased."

@return Details of the reserved Elasticsearch instance which was purchased.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased."

@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.

"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceId",
    "variableType" : "String",
    "documentation" : "Details of the reserved Elasticsearch instance which was purchased."
},
"xmlNameSpaceUri" : null
},
{
    "beanStyleGetterMethodName" : "getReservationName",
    "beanStyleSetterMethodName" : "setReservationName",
    "c2jName" : "ReservationName",
    "c2jShape" : "ReservationToken",
    "defaultConsumerFluentSetterDocumentation" : "The customer-specified identifier used to track this reservation.
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String) }. Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
    "deprecated" : false,
    "documentation" : "The customer-specified identifier used to track this reservation.
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String) }. Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "reservationName",
    "fluentSetterDocumentation" : "The customer-specified identifier used to track this reservation.
When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String) }. Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
    "fluentSetterMethodName" : "reservationName",
    "getterDocumentation" : "The customer-specified identifier used to track this reservation.
When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String) }. Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservationName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"_sensitive" : false,
"setterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
@param reservationName The customer-specified identifier used to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "ReservationName" : {
    "beanStyleGetterMethodName" : "getReservationName",
    "beanStyleSetterMethodName" : "setReservationName",
    "c2jName" : "ReservationName",
    "c2jShape" : "ReservationToken",
    "defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.
    <p>
"}
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)}. @param reservationName a consumer that will call methods on {@link String.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see #reservationName(String)
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The customer-specified identifier used to track this reservation.&lt;/p&gt;\n@param reservationName The customer-specified identifier used to track this reservation."",
"setterMethodName" : "setReservationName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservationName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservationName",
    "variableType" : "String",
    "documentation" : "&lt;p&gt;The customer-specified identifier used to track this reservation.&lt;/p&gt;",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Details of the reserved Elasticsearch instance which was purchased.&lt;/p&gt;\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via { @link String.Builder} \nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstanceId(String)}.\n@param reservedElasticsearchInstanceId a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstanceId(String)",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;Details of the reserved Elasticsearch instance which was purchased.&lt;/p&gt;",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
    "fluentSetterDocumentation" : "&lt;p&gt;Details of the reserved Elasticsearch instance which was
purchased.

@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.

@return Details of the reserved Elasticsearch instance which was purchased.

"getterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.

@return Details of the reserved Elasticsearch instance which was purchased."

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceId",
    "uri" : false
},

"idempotencyToken" : false,

"setterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased."

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceId(String)}. 
@param reservedElasticsearchInstanceId a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)",
  "deprecated" : false,
  "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
  "fluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)",
  "getterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
Details of the reserved Elasticsearch instance which was purchased.

@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.

```
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"setterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>"
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)},
@n@param reservationName a consumer that will call methods on {@link String.Builder}
@n@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
"deprecated" : false,
"documentation" : "The customer-specified identifier used to track this reservation.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "The customer-specified identifier used to track this reservation.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)},
@n@param reservationName The customer-specified identifier used to track this reservation.
@n@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
"getterDocumentation" : "The customer-specified identifier used to track this reservation.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservationName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
@param reservationName The customer-specified identifier used to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "variableName" : "purchaseReservedElasticsearchInstanceOfferingResponse",
  "variableType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "documentation" : null,
  "simpleType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "variableSetterType" : "PurchaseReservedElasticsearchInstanceOfferingResponse"
},
"wrapper" : false
},
"RecurringCharge" : {
"c2jName" : "RecurringCharge",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Contains the specific price and frequency of a recurring charges for a reserved Elasticsearch instance, or for a reserved Elasticsearch instance offering.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  {
    "beanStyleGetterMethodName" : "getRecurringChargeAmount",
    "beanStyleSetterMethodName" : "setRecurringChargeAmount",
    "c2jName" : "RecurringChargeAmount",
    "c2jShape" : "Double",
    "defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.\n\nThis is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double.Builder#build()}\nWhen the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link #recurringChargeAmount(Double)}.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #recurringChargeAmount(Double)\n\n@deprecated" : false,
    "documentation" : "<p>The monetary amount of the recurring charge.\n\n@endeprecated"
  }
],
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeAmount",
"fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@endeprecated"
}
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
amount of the recurring charge.

"getterModel": {
  "returnType": "Double",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "RecurringChargeAmount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RecurringChargeAmount",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "RecurringChargeAmount",
"sensitive": false,

"setterDocumentation": "<p>The monetary amount of the recurring charge.</p>
@param recurringChargeAmount The monetary amount of the recurring charge.

"setterMethodName": "setRecurringChargeAmount",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "recurringChargeAmount",
  "variableType": "Double",
  "documentation": null,
  "simpleType": "Double",
  "variableSetterType": "Double"
},

"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "recurringChargeAmount",
  "variableType": "Double",
  "variableSetterType": "Double"}
"documentation": "<p>The monetary amount of the recurring charge.</p>",
"simpleType": "Double",
"variableSetterType": "Double"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getRecurringChargeFrequency",
"beanStyleSetterMethodName": "setRecurringChargeFrequency",
"c2jName": "RecurringChargeFrequency",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "<p>The frequency of the recurring charge.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via
{@link String#builder()}. When the [@link Consumer] completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #recurringChargeFrequency(String)}. param recurringChargeFrequency a consumer that will call methods on
{@link String.Builder} return Returns a reference to this object so that method calls can be chained together.@see
recurringChargeFrequency(String)",
"deprecated": false,
"documentation": "<p>The frequency of the recurring charge.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringChargeFrequency",
"fluentSetterDocumentation": "<p>The frequency of the recurring charge.</p>
@param recurringChargeFrequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "recurringChargeFrequency",
"getterDocumentation": "<p>The frequency of the recurring charge.</p>
@return The frequency of the recurring charge."
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "RecurringChargeFrequency",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "RecurringChargeFrequency",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RecurringChargeFrequency",
"sensitive" : false,
"setterDocumentation" : "<p>The frequency of the recurring charge.</p>
@param recurringChargeFrequency
The frequency of the recurring charge.",
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "RecurringChargeFrequency",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency of the recurring charge.</p>
  
  @param recurringChargeFrequency
  The frequency of the recurring charge.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "RecurringChargeAmount" : {
    "beanStyleGetterMethodName" : "getRecurringChargeAmount",
    "beanStyleSetterMethodName" : "setRecurringChargeAmount",
    "c2jName" : "RecurringChargeAmount",
    "c2jShape" : "Double",
    "defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
  
  This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()]. When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #recurringChargeAmount(Double)}.
  
  When the { @link Consumer} completes.
  
  @param recurringChargeAmount a consumer that will call methods on { @link Double.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see #recurringChargeAmount(Double)"}
"deprecated" : false,
"documentation" : "<p>The monetary amount of the recurring charge.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeAmount",
"fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>\n@param recurringChargeAmount The monetary amount of the recurring charge.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "recurringChargeAmount",
"getterDocumentation" : "<p>The monetary amount of the recurring charge.</p>\n@return The monetary amount of the recurring charge.",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringChargeAmount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringChargeAmount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "RecurringChargeAmount",
"sensitive" : false,
"setterDocumentation" : "<p>The monetary amount of the recurring charge.</p>\n@param recurringChargeAmount The monetary amount of the recurring charge.",
"setterMethodName" : "setRecurringChargeAmount",
"setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "recurringChargeAmount",
    "variableType" : "Double",
    "documentation" : null,
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "recurringChargeAmount",
    "variableType" : "Double",
    "documentation" : "The monetary amount of the recurring charge.",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"RecurringChargeFrequency" : {
    "beanStyleGetterMethodName" : "getRecurringChargeFrequency",
    "beanStyleSetterMethodName" : "setRecurringChargeFrequency",
    "c2jName" : "RecurringChargeFrequency",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The frequency of the recurring charge.
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via
{link String.Builder#build()}.\n\nWhen the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link recurringChargeFrequency(String)}.
\n@param recurringChargeFrequency a consumer that will call methods on {link String.Builder} \n\n@see #recurringChargeFrequency(String),
"deprecated" : false,
"documentation" : "The frequency of the recurring charge.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeFrequency",
"fluentSetterDocumentation" : "The frequency of the recurring charge.
\n@param recurringChargeFrequency The frequency of the recurring charge.\n\n@see #recurringChargeFrequency(String),
"fluentSetterMethodName" : "recurringChargeFrequency",
"getterDocumentation" : "The frequency of the recurring charge.",
"GetterModel" : {
    "returnType" : "String",
    "setterModel" : {
        "variableDeclarationType" : "Double",
        "variableName" : "recurringChargeAmount",
        "variableType" : "Double",
        "documentation" : null,
        "simpleType" : "Double",
        "variableSetterType" : "Double"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "Double",
        "variableName" : "recurringChargeAmount",
        "variableType" : "Double",
        "documentation" : "The monetary amount of the recurring charge.",
        "simpleType" : "Double",
        "variableSetterType" : "Double"
    },
    "xmlNameSpaceUri" : null
}}
The frequency of the recurring charge.

```java
public String recurringChargeFrequency;

public void setRecurringChargeFrequency(String value) {
    this.recurringChargeFrequency = value;
}
```

The frequency of the recurring charge.
"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getRecurringChargeAmount",
    "beanStyleSetterMethodName" : "setRecurringChargeAmount",
    "c2jName" : "RecurringChargeAmount",
    "c2jShape" : "Double",
    "defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually
via {@link Double.Builder#builder()}. When the {@link Consumer} completes, {@link Double.Builder#build()} is
called immediately and its result is passed to {@link recurringChargeAmount(Double)}. Returns a
reference to this object so that method calls can be chained together.
@see recurringChargeAmount(Double)",
    "deprecated" : false,
    "documentation" : "<p>The monetary amount of the recurring charge.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "recurringChargeAmount",
    "fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
@param recurringChargeAmount The monetary amount of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.
@see recurringChargeAmount(Double)",
    "getterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
@return The monetary amount of the recurring charge.",
    "getterModel" : {
        "returnType" : "Double",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "RecurringChargeAmount",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "RecurringChargeAmount",
    }
},
"xmlNameSpaceUri" : null
]
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "RecurringChargeAmount",
"sensitive" : false,
"setterDocumentation" : "The monetary amount of the recurring charge.
@param recurringChargeAmount The monetary amount of the recurring charge.",
"setterMethodName" : "setRecurringChargeAmount",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : "The monetary amount of the recurring charge.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
[
  "beanStyleGetterMethodName" : "getRecurringChargeFrequency",
  "beanStyleSetterMethodName" : "setRecurringChargeFrequency",
  "c2jName" : "RecurringChargeFrequency",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The frequency of the recurring charge.
@Since recurringChargeFrequency a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #recurringChargeFrequency(String)"
];
"deprecated" : false,
"documentation" : "The frequency of the recurring charge.",
"endpointDiscoveryId" : false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringChargeFrequency",
"fluentSetterMethodName": "recurringChargeFrequency",
"getterDocumentation": "\n\nThe frequency of the recurring charge.\n\n@return Returns a reference to this object so that method calls can be chained together.\n",
"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "RecurringChargeFrequency",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "RecurringChargeFrequency",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "RecurringChargeFrequency",
"sensitive": false,
"setterDocumentation": "\n\nThe frequency of the recurring charge.\n\n@param recurringChargeFrequency The frequency of the recurring charge.\n\n@return The frequency of the recurring charge."

"setterMethodName": "setRecurringChargeFrequency",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "recurringChargeFrequency"}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency of the recurring charge.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RecurringCharge",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "recurringCharge",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"wrapper" : false
},
"RemoveTagsRequest" : {
  "c2jName" : "RemoveTagsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for the parameters to the <code><a>RemoveTags</a></code> operation. Specify the <code>ARN</code> for the Elasticsearch domain from which you want to remove the specified
<code>TagKey</code>,

"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
    "action" : "RemoveTags",
    "locationName" : null,
    "requestUri" : "/2015-01-01/tags-removal",
    "target" : null,
    "verb" : "POST",
    "xmlNameSpaceUri" : null
},
"members" : [ {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>

This is a convenience that creates an instance of the
{ @link String.Builder} avoiding the need to create one manually via { @link String.Builder()}.<br><br>When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link arn(String)}.<br><br>@return Returns a reference to this object so that method calls can be chained together.<br><br>@see #arn(String)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>

@n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "arn",
    "getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>

@n@return Specifies the <code>ARN</code> for the Elasticsearch domain
from which you want to delete the specified tags.

```
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p><p>\n@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
```
Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.

This is a convenience that creates an instance of the <code>List<String>.Builder</code> avoiding the need to create one manually. When the <code>List</code> completes, <code>Builder#build()</code> is called immediately and its result is passed to <code>TagKeys(List<String>)</code>. The <code>tagKeys</code> parameter is a consumer that will call methods on <code>List<String>.Builder</code>.

When the consumer completes, <code>build()</code> is called immediately and its result is passed to <code>tagKeys(List<String>)</code>. Returns a reference to this object so that method calls can be chained together.

Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

Returns a reference to this object so that method calls can be chained together.

Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

Returns a reference to this object so that method calls can be chained together.

Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

Returns a reference to this object so that method calls can be chained together.

Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagKeys",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
\nThis is a convenience that creates an instance of the [\@link String.Builder] avoiding the need to create one manually via [\@link String.Builder#builder()].\n\nThe [\@link Consumer] completes, [\@link String.Builder#build()] is called immediately and its result is passed to [\@link #member(String)].\n\n@param member a consumer that will call methods on [\@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(String)\n@description The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.",
"setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "ARN" : {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
    "This is a convenience that creates an instance of the
{@link String.Builder} avoiding the need to create one manually via {@link String#builder()}{\n\n}When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #arn(String)}{\n@\param} arn a consumer that will call methods on {@link String.Builder}{\n@\return} Returns a reference to this object so that method calls can be chained together.{\n@\see} arn(String)

"deprecated" : false,
"documentation" : "<p>Specifies the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain from which you want to delete the specified tags.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p>Specifies the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain from which you want to delete the specified tags.&lt;/p&gt;\n@\param} arn Specifies the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain from which you want to delete the specified tags.&lt;/p&gt;\n@\return} Returns a reference to this object so that method calls can be chained together.,
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p>Specifies the &lt;code&gt;ARN&lt;/code&gt; for the Elasticsearch domain from which you want to delete the specified tags.&lt;/p&gt;\n@\return} Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
&idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."

"setterMethodName" : "setArn",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "arn",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "arn",
    "variableType" : "String",
    "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null

"TagKeys" : {
    "beanStyleGetterMethodName" : "getTagKeys",
    "beanStyleSetterMethodName" : "setTagKeys",
    "c2jName" : "TagKeys",
    "c2jShape" : "StringList",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
This is a convenience that creates an instance of the <code>java.util.List</code> and avoids the need to create one manually via <code>java.util.List#builder()</code>. When the <code>java.util.List</code> completes, the <code>java.util.List.Builder#build()</code> method is called immediately and its result is passed to <code>java.util.List#builder().add(#tagKeys).build()</code>. The <code>java.util.List.Builder</code> returns a reference to this object so that method calls can be chained together.
See <code>java.util.List</code> for more information.

"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "tagKeys",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TagKeys",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagKeys",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)]."
member a consumer that will call methods on { @link String.Builder}un@return Returns a reference to this object so that method calls can be chained together.un@see #member(String)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.un\n@param member

The new value for the Member property for this object.un@return Returns a reference to this object so that method calls can be chained together..

"fluentSetterMethodName" : "member",
"getterDocumentation" : "$return The value of the Member property for this object.$

"getterModel" : {
"returnType" : "$String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "$PAYLOAD$",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "$STRING$",
"name" : "$Member$",
"sensitive" : false,
"setterDocumentation" : "$Sets the value of the Member property for this object.$


new value for the Member property for this object.

setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys
Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain. </p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getArn",
  "beanStyleSetterMethodName" : "setArn",
  "c2jName" : "ARN",
  "c2jShape" : "ARN",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
  
  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}. @param arn a consumer that will call methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained together. @see #arn(String)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "arn",
  "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
  
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "arn",
  "getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
  
  @return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {  
  "additionalMarshallingPath" : null,  
  "additionalUnmarshallingPath" : null,  
  "flattened" : false,  
  "greedy" : false,  
  "header" : false,  
  "isPayload" : false,  
  "isStreaming" : false,  
  "location" : null,  
  "marshallLocation" : "PAYLOAD",  
  "marshallLocationName" : "ARN",  
  "queryString" : false,  
  "statusCode" : false,  
  "unmarshallLocationName" : "ARN",  
  "uri" : false },  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"marshallingType" : "STRING",  
"name" : "ARN",  
"simple" : true,  
"timestampFormat" : null,  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "arn",  
  "variableType" : "String",  
  "documentation" : null,  
  "simpleType" : "String",  
  "variableSetterType" : "String" },  
"simple" : true,  
"timestampFormat" : null,  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "arn",  
  "variableType" : "String",  
  "documentation" : null,  
  "simpleType" : "String",  
  "variableSetterType" : "String" },  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"marshallingType" : "STRING",  
"name" : "ARN",  
"simple" : true,  
"timestampFormat" : null,  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "arn",  
  "variableType" : "String",  
  "documentation" : null,  
  "simpleType" : "String",  
  "variableSetterType" : "String" },  
"simple" : true,  
"timestampFormat" : null,  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "arn",  
  "variableType" : "String",  
  "documentation" : null,  
  "simpleType" : "String",  
  "variableSetterType" : "String" },  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"marshallingType" : "STRING",  
"name" : "ARN",  
"simple" : true,  
"timestampFormat" : null,  
"variable" : {  
  "variableDeclarationType" : "String",  
  "variableName" : "arn",  
  "variableType" : "String",  
  "documentation" : null,  
  "simpleType" : "String",  
  "variableSetterType" : "String" },
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.\n\nWhen the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #tagKeys(List<String>)}.\n\n@see #tagKeys(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.\n\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #tagKeys(List<String>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.\n\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #tagKeys(List<String>)",
"fluentSetterMethodName" : "tagKeys",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.\n\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #tagKeys(List<String>)",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagKeys",
"xmlNameSpaceUri" : null
},
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].

member a consumer that will call methods on [@link String.Builder]
@returns Returns a reference to this object so that method calls can be chained together.
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.
@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
@returns The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>",
}
,"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "TagKeys",
"敏感": false,
"setterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the
Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove
from the Elasticsearch domain.",
"setterMethodName": "setTagKeys",
"setterModel": {
"variableDeclarationType": "java.util.List<String>",
"variableName": "tagKeys",
"variableType": "java.util.List<String>",
"documentation": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
}
,"simple": false,
"timestampFormat": null,
"variable": {
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"variableName": "tagKeys",
"variableType": "java.util.List<String>",
"documentation": <p>Specifies the <code>TagKey</code> list which you want to remove from the
Elasticsearch domain.</p>
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
}
,"xmlNameSpaceUri": null
]
,"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "ARN", "TagKeys" ],
"shapeName": "RemoveTagsRequest",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
"variableDeclarationType": "RemoveTagsRequest",
"variableName": "removeTagsRequest",
"variableType": "RemoveTagsRequest",
"documentation": null,
"simpleType": "RemoveTagsRequest",
"variableSetterType": "RemoveTagsRequest"
"wrapper" : false

"RemoveTagsResponse" : {
  "c2jName" : "RemoveTagsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
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  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RemoveTagsResponse",
  "simpleMethod" : false,
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
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    "variableName" : "removeTagsResponse",
    "variableType" : "RemoveTagsResponse",
    "documentation" : null,
    "simpleType" : "RemoveTagsResponse",
    "variableSetterType" : "RemoveTagsResponse"
  },
  "wrapper" : false
}
"ReservedElasticsearchInstance" : {
  "c2jName" : "ReservedElasticsearchInstance",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Details of a reserved Elasticsearch instance.<p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
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      "beanStyleGetterMethodName" : "getReservationName",
      "beanStyleSetterMethodName" : "setReservationName",
      "c2jName" : "ReservationName",
      "c2jShape" : "ReservationToken",
      "defaultValueConsumerFluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder}().
When the {@link String.Builder} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#reservationName(String)}.
@see #reservationName(String)",
      "deprecated" : false,
      "documentation" : "The customer-specified identifier to track this reservation.<p>",
      "endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
      "fluentEnumSetterMethodName" : null,
      "fluentGetterMethodName" : "reservationName",
      "fluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
@see #reservationName(String) The customer-specified identifier to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
      "fluentSetterMethodName" : "reservationName",
      "errorCode" : null,
      "eventStream" : false,
      "explicitEventPayloadMember" : null,
      "hasHeaderMember" : false,
      "hasPayloadMember" : false,
      "hasStatusCodeMember" : false,
      "hasStreamingMember" : false,
      "httpStatusCode" : null,
      "marshaller" : null,
      "members" : [
        {
          "beanStyleGetterMethodName" : "getReservationName",
          "beanStyleSetterMethodName" : "setReservationName",
          "c2jName" : "ReservationName",
          "c2jShape" : "ReservationToken",
          "defaultValueConsumerFluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder}().
When the {@link String.Builder} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#reservationName(String)}.
@see #reservationName(String)",
          "deprecated" : false,
          "documentation" : "The customer-specified identifier to track this reservation.<p>",
          "endpointDiscoveryId" : false,
          "enumType" : null,
          "eventHeader" : false,
          "eventPayload" : false,
          "fluentEnumGetterMethodName" : null,
          "fluentEnumSetterMethodName" : null,
          "fluentGetterMethodName" : "reservationName",
          "fluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
@see #reservationName(String) The customer-specified identifier to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.
        },
        {
          "beanStyleGetterMethodName" : "getReservationName",
          "beanStyleSetterMethodName" : "setReservationName",
          "c2jName" : "ReservationName",
          "c2jShape" : "ReservationToken",
          "defaultValueConsumerFluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder}().
When the {@link String.Builder} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#reservationName(String)}.
@see #reservationName(String)",
          "deprecated" : false,
          "documentation" : "The customer-specified identifier to track this reservation.<p>",
          "endpointDiscoveryId" : false,
          "enumType" : null,
          "eventHeader" : false,
          "eventPayload" : false,
          "fluentEnumGetterMethodName" : null,
          "fluentEnumSetterMethodName" : null,
          "fluentGetterMethodName" : "reservationName",
          "fluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
@see #reservationName(String) The customer-specified identifier to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.
        },
        {
          "beanStyleGetterMethodName" : "getReservationName",
          "beanStyleSetterMethodName" : "setReservationName",
          "c2jName" : "ReservationName",
          "c2jShape" : "ReservationToken",
          "defaultValueConsumerFluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder}().
When the {@link String.Builder} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#reservationName(String)}.
@see #reservationName(String)",
          "deprecated" : false,
          "documentation" : "The customer-specified identifier to track this reservation.<p>",
          "endpointDiscoveryId" : false,
          "enumType" : null,
          "eventHeader" : false,
          "eventPayload" : false,
          "fluentEnumGetterMethodName" : null,
          "fluentEnumSetterMethodName" : null,
          "fluentGetterMethodName" : "reservationName",
          "fluentSetterDocumentation" : "The customer-specified identifier to track this reservation.
@see #reservationName(String) The customer-specified identifier to track this reservation.
@return Returns a reference to this object so that method calls can be chained together.
        }
      ]
    }
  ]
}
"getterDocumentation": "<p>The customer-specified identifier to track this reservation.</p>
\n@return The customer-specified identifier to track this reservation."
,
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ReservationName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ReservationName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservationName",
"sensitive": false,
"setterDocumentation": "<p>The customer-specified identifier to track this reservation.</p>
\n@param reservationName The customer-specified identifier to track this reservation."
,
"setterMethodName": "setReservationName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservationName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservationName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
"variableType" : "String",
"documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via
[@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to
[@link #reservedElasticsearchInstanceId(String)].

@see reservedElasticsearchInstanceId a consumer that will call methods on
[@link String.Builder]\n@returns

This is a

"documentation" : "<p>The unique identifier for the reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
@returns

This is a

"documentation" : "<p>The unique identifier for the reservation.</p>",
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
@returns

This is a

"documentation" : "<p>The unique identifier for the reservation.</p>",
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId"
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"map" : null,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"isBinary" : false,
"setterDocumentation" : "&lt;p&gt;The unique identifier for the reservation.&lt;/p&gt;&lt;param
reservedElasticsearchInstanceId The unique identifier for the reservation.\&gt;
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "&lt;p&gt;The unique identifier for the reservation.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The offering identifier.&lt;/p&gt;&lt;param
reservedElasticsearchInstanceOfferingId a consumer that will call methods on \{ @link String.Builder\} a reference to this object so that method calls can be chained together.\n@see

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This is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder#builder()\}.\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link reservedElasticsearchInstanceOfferingId(String)\}.\n@param
reservedElasticsearchInstanceOfferingId a consumer that will call methods on \{ @link String.Builder\} a return

#reservedElasticsearchInstanceOfferingId(String),
"deprecated" : false,
"documentation" : "<p>The offering identifier.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The offering identifier.</p>
@param
reservedElasticsearchInstanceOfferingId The offering identifier.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier.</p>
@return The offering identifier.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier.</p>
@param
reservedElasticsearchInstanceOfferingId
The offering identifier.
setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId"
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  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": "<p>The offering identifier.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
{
  "beanStyleGetterMethodName": "getElasticsearchInstanceTypeAsString",
  "beanStyleSetterMethodName": "setElasticsearchInstanceType",
  "c2jName": "ElasticsearchInstanceType",
  "c2jShape": "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved
  instance offering.\n</p>\nThis is a convenience that creates an instance of the{@link String.Builder} avoiding the
  need to create one manually via {@link String#builder()}.\nWhen the{@link Consumer} completes,{@link
  String.Builder#build()} is called immediately and its result is passed to{@link
  #elasticsearchInstanceTypeAsString(String)}.\n\n  @param elasticsearchInstanceType a consumer that will call
  methods on{@link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained
together.\n\n  @see #elasticsearchInstanceType
  \n  \n  @deprecated"
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.\</p>"
  "endpointDiscoveryId": false,
  "enumType": "ESPartitionInstanceType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "elasticsearchInstanceType",
  "fluentEnumSetterMethodName": "elasticsearchInstanceType",
  "fluentGetterMethodName": "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance
  offering.\n</p>\nThis is a convenience that creates an instance of the{@link String.Builder} avoiding the
  need to create one manually via {@link String#builder()}.\nWhen the{@link Consumer} completes,{@link
  String.Builder#build()} is called immediately and its result is passed to{@link
  #elasticsearchInstanceTypeAsString(String)}.\n\n  @param elasticsearchInstanceType a consumer that will call
  methods on{@link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained
together.\n\n  @see #elasticsearchInstanceType
  \n  \n  @deprecated"
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.\</p>"
  "endpointDiscoveryId": false,
  "enumType": "ESPartitionInstanceType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "elasticsearchInstanceType",
  "fluentEnumSetterMethodName": "elasticsearchInstanceType",
  "fluentGetterMethodName": "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance
  offering.\n</p>\nThis is a convenience that creates an instance of the{@link String.Builder} avoiding the
  need to create one manually via {@link String#builder()}.\nWhen the{@link Consumer} completes,{@link
  String.Builder#build()} is called immediately and its result is passed to{@link
  #elasticsearchInstanceTypeAsString(String)}.\n\n  @param elasticsearchInstanceType a consumer that will call
  methods on{@link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained
together.\n\n  @see #elasticsearchInstanceType
  \n  \n  @deprecated"
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.\</p>"
  "endpointDiscoveryId": false,
  "enumType": "ESPartitionInstanceType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "elasticsearchInstanceType",
  "fluentEnumSetterMethodName": "elasticsearchInstanceType",
  "fluentGetterMethodName": "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance
  offering.\n</p>\nThis is a convenience that creates an instance of the{@link String.Builder} avoiding the
  need to create one manually via {@link String#builder()}.\nWhen the{@link Consumer} completes,{@link
  String.Builder#build()} is called immediately and its result is passed to{@link
  #elasticsearchInstanceTypeAsString(String)}.\n\n  @param elasticsearchInstanceType a consumer that will call
  methods on{@link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained
together.\n\n  @see #elasticsearchInstanceType
  \n  \n  @deprecated"
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.\</p>"
  "endpointDiscoveryId": false,
  "enumType": "ESPartitionInstanceType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "elasticsearchInstanceType",
  "fluentEnumSetterMethodName": "elasticsearchInstanceType",
  "fluentGetterMethodName": "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance
  offering.\n</p>\nThis is a convenience that creates an instance of the{@link String.Builder} avoiding the
  need to create one manually via {@link String#builder()}.\nWhen the{@link Consumer} completes,{@link
  String.Builder#build()} is called immediately and its result is passed to{@link
  #elasticsearchInstanceTypeAsString(String)}.\n\n  @param elasticsearchInstanceType a consumer that will call
  methods on{@link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained
together.\n\n  @see #elasticsearchInstanceType
  \n  \n  @deprecated"
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.\</p>"
  "endpointDiscoveryId": false,
  "enumType": "ESPartitionInstanceType",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "elasticsearchInstanceType",
  "fluentEnumSetterMethodName": "elasticsearchInstanceType",
  "fluentGetterMethodName": "elasticsearchInstanceTypeAsString",
  "fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance
  offering.\n</p>\nThis is a convenience that creates an instance of the{@link String.Builder} avoiding the
  need to create one manually via {@link String#builder()}.\nWhen the{@link Consumer} completes,{@link
  String.Builder#build()} is called immediately and its result is passed to{@link
  #elasticsearchInstanceTypeAsString(String)}.\n\n  @param elasticsearchInstanceType a consumer that will call
  methods on{@link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained
together.\n\n  @see #elasticsearchInstanceType
  \n  \n  @deprecated"
  "documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.\</p>"}
The raw value returned by the service is available from [@link #elasticsearchInstanceTypeAsString].

@return The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType

getterModel : 

getterModel : 

http : 

http : 

idempotencyToken : false,

isBinary : false,

jsonValue : false,

list : false,

listModel : null,

map : false,

mapModel : null,

marshallingType : "STRING",

name : "ElasticsearchInstanceType",

 sensitive : false,

setterDocumentation : "The Elasticsearch instance type offered by the reserved instance offering.

setterMethodName : 

setterMethod : 

variableDeclarationType : "String",

variableName : "elasticsearchInstanceType",

variableType : "String",

documentation : null,

simpleType : "String",

variableSetterType : "String"

},

simple : true,

timestampFormat : null,

variable : 

variable : 
"variableDeclarationType" : "String",
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStartTime",
"beanStyleSetterMethodName" : "setStartTime",
"c2jName" : "StartTime",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.</p>

This is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via
[@link Instant#builder()].

When the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link #startTime(Instant)].

@para startTimestartTime a consumer that will call
methods on [@link Instant.Builder]

@returns Returns a reference to this object so that method calls can be chained
together.

@see #startTime(Instant)
,"}
"deprecated" : false,
"documentation" : "<p>The time the reservation started.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTime",
"fluentSetterDocumentation" : "<p>The time the reservation started.</p>

@para startTime The time the reservation started.

@returns Returns a reference to this object so that method calls can be chained
together.
","}
"getterDocumentation" : "<p>The time the reservation started.</p>

@returns The time the reservation started.
",}
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTime",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTime",
"sensitive" : false,
"setterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>The time the reservation started.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration a consumer that will call methods on {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #duration(Integer)}.
@return Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)",
"deprecated" : false,
"documentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
"fieldName" : "duration",
"enumType" : null,
"isRequired" : false,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "getDuration",
"fluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
@return The duration, in seconds, for which the Elasticsearch instance is reserved.
@throws IllegalArgumentException if the value is not a valid integer.
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "setDuration",
"getterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@return The duration, in seconds, for which the Elasticsearch instance is reserved.
@throws IllegalArgumentException if the value is not a valid integer.
@returns Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Duration",
"sensitive" : false,
"setterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
@throws IllegalArgumentException if the value is not a valid integer.
@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setDuration",
"setterModel" : { }
"variableDeclarationType" : "Integer",
"variableName" : "duration",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "duration",
"variableType" : "Integer",
"documentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.<p>
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 
This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. 
When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #fixedPrice(Double)}.

@return Returns a reference to this object so that method calls can be chained together.
@see #fixedPrice(Double)",
"deprecated" : false,
"documentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethod" : "fixedPrice",
"fluentSetterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 
"endpointDiscoveryId" : false,
"enumType" : null,
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FixedPrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,
"setterDocumentation" : "The upfront fixed charge you will be paid to purchase the specific reserved Elasticsearch instance offering.

@param fixedPrice The upfront fixed charge you will be paid to purchase the specific reserved Elasticsearch instance offering."
,"setterMethodName" : "setFixedPrice",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : "The upfront fixed charge you will be paid to purchase the specific reserved Elasticsearch
The rate you are charged for each hour for the domain that is using this reserved instance.

This is a convenience that creates an instance of the `Double.Builder` avoiding the need to create one manually via `Double.builder()`. When the `Consumer` completes, `Double.Builder.build()` is called immediately and its result is passed to `usagePrice(Double)`. 

`@return` Returns a reference to this object so that method calls can be chained together.

```
@see usagePrice(Double)
```

### Deprecated

```
@deprecated
```

### Documentation

```
@documentation
```

### Getter Method

```
@get
```

### Setter Method

```
@set
```

### Return Type

```
@return
```

### HTTP

```
@http
```

---

**Open Source Used In SDWan 20.4.1 13950**
The rate you are charged for each hour for the domain that is using this reserved instance.

```java
@Param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.
```

```java
setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour for the domain that is using this reserved instance."
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour for the domain that is using this reserved instance."
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCurrencyCode",
"beanStyleSetterMethodName" : "setCurrencyCode",
"c2jName" : "CurrencyCode",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering."
currencyCode a consumer that will call methods on \{@link String.Builder\}
@returns Returns a reference to this object so that method calls can be chained together.
@see currencyCode(String)

"deprecated": false,
"documentation": "The currency code for the reserved Elasticsearch instance offering.
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "currencyCode",
"fluentSetterDocumentation": "The currency code for the reserved Elasticsearch instance offering.
@returns Returns a reference to this object so that method calls can be chained together.
@see currencyCode(String)

"getterDocumentation": "The currency code for the reserved Elasticsearch instance offering.
@returns The currency code for the reserved Elasticsearch instance offering.

"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "CurrencyCode",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CurrencyCode",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "CurrencyCode",
"sensitive": false,
"setterDocumentation": "The currency code for the reserved Elasticsearch instance offering.
@returns The currency code for the reserved Elasticsearch instance offering.
@see currencyCode(String)"
currencyCode The currency code for the reserved Elasticsearch instance offering.,
"setterMethodName": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": "The currency code for the reserved Elasticsearch instance offering.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchInstanceCount",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchInstanceCount",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "ElasticsearchInstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.",
"setterMethodName" : "setElasticsearchInstanceCount",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "elasticsearchInstanceCount",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "elasticsearchInstanceCount",
    "variableType" : "Integer",
    "documentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getState",
"beanStyleSetterMethodName" : "setState",
"c2jName" : "State",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The state of the reserved Elasticsearch instance.&lt;/p&gt;&lt;nl&gt;This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.&lt;nl&gt;When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #state(String)}.&lt;nl&gt;@param state a consumer that will call methods on { @link String.Builder}&lt;nl&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;nl&gt;@see #state(String)",
"deprecated" : false,
"documentation" : "&lt;p&gt;The state of the reserved Elasticsearch instance.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventoId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "state",
"fluentSetterDocumentation" : "&lt;p&gt;The state of the reserved Elasticsearch instance.&lt;/p&gt;&lt;nl&gt;@param state The state of the reserved Elasticsearch instance.&lt;nl&gt;@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "state",
"getterDocumentation" : "&lt;p&gt;The state of the reserved Elasticsearch instance.&lt;/p&gt;&lt;nl&gt;@return The state of the reserved Elasticsearch instance.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "State"
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"Sensitive" : false,
"setterDocumentation" : "The state of the reserved Elasticsearch instance.

@param state The state of the reserved Elasticsearch instance.

.setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "The state of the reserved Elasticsearch instance.

setterDocumentation" : "The state of the reserved Elasticsearch instance.

.setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "The state of the reserved Elasticsearch instance.

setterDocumentation" : "The state of the reserved Elasticsearch instance.

.setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>
@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.
@see ReservedElasticsearchInstancePaymentOption
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedElasticsearchInstancePaymentOption",
"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>
<p>If the service returns an enum value that is not available in the current SDK version, { @linkReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link paymentOptionAsString}.</p>
@return The payment option as defined in the reserved Elasticsearch instance offering.
@see ReservedElasticsearchInstancePaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,
"setterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.

@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.

@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.

"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

This is a convenience that creates an instance of the {@link List<RecurringCharge>.Builder} avoiding the need to create one manually via {@link List<RecurringCharge>#builder()}. When the {@link Consumer} completes, {@link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to {@link #recurringCharges(List<RecurringCharge>)}.\n
@see #recurringCharges(List<RecurringCharge>)",
"deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@see #recurringCharges(List<RecurringCharge>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@see #recurringCharges(List<RecurringCharge>)"
whether you are creating any domains using the instance offering.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "recurringCharges",
"getterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p><p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

@return The charge to your account regardless of whether you are creating any domains using the instance offering.

"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},

"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringCharges",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [@link RecurringCharge.Builder] avoiding the need to create one manually via [@link RecurringCharge#builder()].

When the [@link Consumer] completes, [@link RecurringCharge.Builder#build()] is called immediately and its result is passed to (@link #member(RecurringCharge)).

@see #member(RecurringCharge)

"deprecated" : false,
"documentation" : ""
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterMethodName": "member",
"getterDocumentation": "Sets the value of the Member property for this object.\n\n@returns The new value for the Member property for this object.\n\n@returns Returns a reference to this object so that method\ncalls can be chained together.",
"getterMethodName": "member",
"getterModel": {\n  "returnType": "RecurringCharge",
  "documentation": null
},
"http": {\n  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@returns The value of the Member property for this object.\n\n@returns Returns a reference to this object so that method\ncalls can be chained together.",
"setterMethodName": "setMember",
"setterModel": {\n  "variableDeclarationType": "RecurringCharge",
}
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : null,
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "The charge to your account regardless of whether you are creating any domains using
the instance offering."",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>
",
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "CurrencyCode" : {
    "beanStyleGetterMethodName" : "getCurrencyCode",
    "beanStyleSetterMethodName" : "setCurrencyCode",
    "c2jName" : "CurrencyCode",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch
instance offering."

This is a convenience that creates an instance of the [ @link String.Builder] avoiding the
need to create one manually via { @link String.Builder}.

When the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #currencyCode(String)}.

@param currencyCode a consumer that will call methods on { @link String.Builder}.

@return Returns a reference to this
object so that method calls can be chained together."
@see #currencyCode(String)",
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering."

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode",
"fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance
offering."

@param currencyCode The currency code for the reserved Elasticsearch instance offering.

@return Returns a reference to this
object so that method calls can be chained together."
@see #currencyCode(String)",
  "getterDocumentation" : "The currency code for the reserved Elasticsearch instance
offering."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering."

"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Duration" : {
  "beanStyleGetterMethodName" : "getDuration",
  "beanStyleSetterMethodName" : "setDuration",
  "c2jName" : "Duration",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch
This is a convenience that creates an instance of the `Integer.Builder` avoiding the need to create one manually via `Integer.builder()`. When the `Consumer` completes, `Integer.Builder.build()` is called immediately and its result is passed to `duration(Integer)`.

@see #duration(Integer)
"name": "Duration",
"sensitive": false,
"setterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved."
"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"ElasticsearchInstanceCount": {
  "beanStyleGetterMethodName": "getElasticsearchInstanceCount",
  "beanStyleSetterMethodName": "setElasticsearchInstanceCount",
  "c2jName": "ElasticsearchInstanceCount",
  "c2jShape": "Integer",
  "defaultConsumerFluentSetterDocumentation": "<p>The number of Elasticsearch instances that have been reserved.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #elasticsearchInstanceCount(Integer)].

@returns Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchInstanceCount(Integer)"
, "deprecated": false,
"documentation": "<p>The number of Elasticsearch instances that have been reserved.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchInstanceCount",
"fluentSetterDocumentation": "<p>The number of Elasticsearch instances that have been reserved.</p>"
}"@param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved."
reserved.\n@return Returns a reference to this object so that method calls can be chained together."
   "fluentSetterMethodName" : "elasticsearchInstanceCount",
   "getterDocumentation" : "\n<p>The number of Elasticsearch instances that have been reserved.\n</p>\n@return
The number of Elasticsearch instances that have been reserved."
   "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "ElasticsearchInstanceCount",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "ElasticsearchInstanceCount",
      "uri" : false
   },
   "idempotencyToken" : false,
   "isBinary" : false,
   "jsonValue" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "marshallingType" : "INTEGER",
   "name" : "ElasticsearchInstanceCount",
   "sensitive" : false,
   "setterDocumentation" : "\n<p>The number of Elasticsearch instances that have been reserved.\n</p>\n@param
elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved."
   "setterMethodName" : "setElasticsearchInstanceCount",
   "setterModel" : {
      "variableDeclarationType" : "Integer",
      "variableName" : "elasticsearchInstanceCount",
      "variableType" : "Integer",
      "documentation" : null,
      "simpleType" : "Integer",
      "variableSetterType" : "Integer"
   },
   "simple" : true,
   "timestampFormat" : null,
   "variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "elasticsearchInstanceCount",
"variableType" : "Integer",
"documentation" : "The number of Elasticsearch instances that have been reserved."},
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchInstanceType" : {
"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #elasticsearchInstanceTypeAsString(String).
@param elasticsearchInstanceType a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchInstanceTypeAsString(String)",
"deprecated" : false,
"documentation" : "The Elasticsearch instance type offered by the reserved instance offering.
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"fluentSetterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.
If the service returns an enum value that is not available in the current SDK version, ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from ESPartitionInstanceTypeAsString.

@see ESPartitionInstanceType

@return The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ElasticsearchInstanceType",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ElasticsearchInstanceType",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"JsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ElasticsearchInstanceType",
"sensitive": false,
"setterDocumentation": "\nThe Elasticsearch instance type offered by the reserved instance offering.\n\n@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.\n\n@see ESPartitionInstanceType",
"setterMethodName": "setElasticsearchInstanceType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchInstanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchInstanceType",
  "variableType": "String",
  "documentation": "The Elasticsearch instance type offered by the reserved instance offering.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"FixedPrice": {"flattened": false,"greedy": false,"header": false,"isPayload": false,"isStreaming": false,"location": null,"marshallLocation": "PAYLOAD","marshallLocationName": "ElasticsearchInstanceType","queryString": false,"statusCode": false,"unmarshallLocationName": "ElasticsearchInstanceType","uri": false,"idempotencyToken": false,"isBinary": false,"JsonValue": false,"list": false,"listModel": null,"map": false,"mapModel": null,"marshallingType": "STRING","name": "ElasticsearchInstanceType","sensitive": false,"setterDocumentation": "The Elasticsearch instance type offered by the reserved instance offering.\n\n@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.\n\n@see ESPartitionInstanceType","setterMethodName": "setElasticsearchInstanceType","setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchInstanceType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,"timestampFormat": null,"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchInstanceType",
  "variableType": "String",
  "documentation": "The Elasticsearch instance type offered by the reserved instance offering."
,"simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"FixedPrice": {
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}.
When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #fixedPrice(Double)}. 
@return Returns a reference to this object so that method calls can be chained together.
@see #fixedPrice(Double)",
"deprecated" : false,
"documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
@return Returns a reference to this object so that method calls can be chained together.
@see #fixedPrice(Double)",
"fluentSetterMethodName" : "fixedPrice",
"getterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
@return The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.
@return The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.
",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "FixedPrice",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "FixedPrice",
 "uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,

"setterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering."

"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
}

"PaymentOption" : {
  "beanStyleGetterMethodName" : "getPaymentOptionAsString",
  "beanStyleSetterMethodName" : "setPaymentOption",
  "c2jName" : "PaymentOption",
  "c2jShape" : "ReservedElasticsearchInstancePaymentOption",
  "defaultConsumerFluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering. </p>
\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.\n\n@param paymentOption a consumer that will call methods on {@link String.Builder}\n@see #paymentOption(String)",
  "deprecated" : false,
The payment option as defined in the reserved Elasticsearch instance offering.

If the service returns an enum value that is not available in the current SDK version, `paymentOption` will return `ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `paymentOptionAsString`.

```java
@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION
```

The payment option as defined in the reserved Elasticsearch instance offering.

```java
@link ReservedElasticsearchInstancePaymentOption
```

```java
@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION
```

```java
@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION
```

```java
@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION
```
"setterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.
@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.
@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.
  simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
  "beanStyleGetterMethodName" : "getRecurringCharges",
  "beanStyleSetterMethodName" : "setRecurringCharges",
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargeList",
  "defaultConsumerFluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
  This is a convenience that creates an instance of the {
    @link List<RecurringCharge>.Builder} avoiding the need to create one manually via {
    @link List<RecurringCharge>#builder()}.
  When the {
    @link Consumer} completes, {
    @link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to {
    @link recurringCharges(List<RecurringCharge>)}. 
  @param recurringCharges a consumer that will call methods on {
    @link List<RecurringCharge>.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see recurringCharges(List<RecurringCharge>)",
  "deprecated" : false,
  "documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering."
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges"
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.

@return Returns a reference to this object so that method calls can be chained together.,

"fluentSetterMethodName" : "recurringCharges",

"getterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The charge to your account regardless of whether you are creating any domains using the instance offering.,

"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCodes" : false,
  "unmarshallLocationName" : "RecurringCharges",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"JsonValue" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge.Builder]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [member(RecurringCharge)]

@return Returns a reference to this object so that method calls can be chained together.
@see #member(RecurringCharge)"
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@r

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@r

@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "RecurringCharge",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@r

@param member The new value for the Member property for this object.
@r

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel": {
"variableDeclarationType": "RecurringCharge",
"variableName": "member",
"variableType": "RecurringCharge",
"documentation": null,
"simpleType": "RecurringCharge",
"variableSetterType": "RecurringCharge"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "RecurringCharge",
"variableName": "member",
"variableType": "RecurringCharge",
"documentation": "",
"simpleType": "RecurringCharge",
"variableSetterType": "RecurringCharge"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "RecurringCharge",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "RecurringCharge",
"templateImplType": "java.util.ArrayList<RecurringCharge>",
"templateType": "java.util.List<RecurringCharge>
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "RecurringCharges",
"sensitive": false,
"setterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p><p@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
"setterMethodName": "setRecurringCharges",
"setterModel": {
"variableDeclarationType": "java.util.List<RecurringCharge>",
"variableName": "recurringCharges",
"variableType": "java.util.List<RecurringCharge>",
"documentation": null,
"simpleType": "List<RecurringCharge>",
"variableSetterType": "java.util.Collection<RecurringCharge>"
},
"simple": false,
The charge to your account regardless of whether you are creating any domains using the instance offering.

The customer-specified identifier to track this reservation. This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.builder()`. When the `Consumer` completes, the `String.Builder#build()` is called immediately and its result is passed to `#reservationName(String)`. Returns a reference to this object so that method calls can be chained together.

The customer-specified identifier to track this reservation.

The customer-specified identifier to track this reservation.

The customer-specified identifier to track this reservation.

The customer-specified identifier to track this reservation.

The customer-specified identifier to track this reservation.
"setterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>\n@param reservationName The customer-specified identifier to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId"
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstanceId(String)].

@deprecated
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)",

"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>The unique identifier for the reservation.</p><p>@param reservedElasticsearchInstanceId The unique identifier for the reservation.</p>",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"ReservedElasticsearchInstanceOfferingId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.</p><p>This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
<p>When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstanceOfferingId(String)].
<p>@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on [@link String.Builder]
<p>@return Returns a reference to this object so that method calls can be chained together.</p>"
  "deprecated" : false,
  "documentation" : "<p>The offering identifier.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"map" : false,
"mapModel" : null,
"fluentGetterMethodName": "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation": "\n\n@<p>The offering identifier.</p>\n\n@param reservedElasticsearchInstanceOfferingId The offering identifier.\n\n@return Returns a reference to this object so that method calls can be chained together."
,
"fluentSetterMethodName": "reservedElasticsearchInstanceOfferingId",
"getterDocumentation": "\n\n@<p>The offering identifier.</p>\n\n@return The offering identifier."
,
"getterModel": {
   "returnType": "String",
   "documentation": null
 },
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "ReservedElasticsearchInstanceOfferingId",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "ReservedElasticsearchInstanceOfferingId",
   "uri": false
 },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceOfferingId",
"sensitive": false,
"setterDocumentation": "\n\n@<p>The offering identifier.</p>\n\n@param reservedElasticsearchInstanceOfferingId The offering identifier."
,
"setterMethodName": "setReservedElasticsearchInstanceOfferingId",
"setterModel": {
   "variableDeclarationType": "String",
   "variableName": "reservedElasticsearchInstanceOfferingId",
   "variableType": "String",
   "documentation": null,
   "simpleType": "String",
   "variableSetterType": "String"
 },
"simple": true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The offering identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StartTime" : {
  "beanStyleGetterMethodName" : "getStartTime",
  "beanStyleSetterMethodName" : "setStartTime",
  "c2jName" : "StartTime",
  "c2jShape" : "UpdateTimestamp",
  "defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.</p><p>This is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via [@link Instant#builder()]. When the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link #startTime(Instant)].
  @param startTime a consumer that will call methods on [@link Instant.Builder]
  @return Returns a reference to this object so that method calls can be chained together.
  @see #startTime(Instant)",
  "deprecated" : false,
  "documentation" : "<p>The time the reservation started.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "startTime",
  "fluentSetterDocumentation" : "<p>The time the reservation started.</p>
  @param startTime The time the reservation started.
  @return Returns a reference to this object so that method calls can be chained together.
  ",
  "fluentSetterMethodName" : "startTime",
  "getterDocumentation" : "<p>The time the reservation started.</p>
  @return The time the reservation started.
  ",
  "getterModel" : {
    "returnType" : "java.time.Instant",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTime",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"marshallType" : "INSTANT",
"name" : "StartTime",
"sensitive" : false,
"setterDocumentation" : "<p>The time the reservation started.<p>

@param startTime The time the reservation started.
",
"setterMethodName" : "setStartTime",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTime",
  "variableType" : "java.time.Instant",
  "documentation" : "The time the reservation started.<p>

"simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "beanStyleGetterMethodName" : "getState",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.<p>

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to
create one manually via `@link String#builder()`. When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link #state(String)`.

```
@link String#builder()

When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link #state(String)`.
```

```
@param state a consumer that will call methods on `@link String.Builder`.
@return Returns a reference to this object so that method calls can be chained together.

```

"deprecated" : false,
"documentation" : "The state of the reserved Elasticsearch instance.

```

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "state",
"fluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.

```

"getterDocumentation" : "The state of the reserved Elasticsearch instance.

```

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "State",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "State",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",

"sensitive" : false,
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@param state The state of the reserved Elasticsearch instance.",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the reserved Elasticsearch instance.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"UsagePrice" : {
  "beanStyleGetterMethodName" : "getUsagePrice",
  "beanStyleSetterMethodName" : "setUsagePrice",
  "c2jName" : "UsagePrice",
  "c2jShape" : "Double",
  "defaultValueConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
  "@param usagePrice a consumer that will call methods on "
  "Double.Builder\n  "@return Returns a reference to this object so that method calls can be chained together."
  "@see #usagePrice(Double)"
},
  "deprecated" : false,
  "documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "usagePrice",
  "fluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>"
reserved instance.

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

@return The rate you are charged for each hour for the domain that is using this reserved instance.

"getterModel" : {
    "returnType" : "Double",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UsagePrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UsagePrice",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "DOUBLE",

"name" : "UsagePrice",

"setterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.

"setterMethodName" : "setUsagePrice",

"setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "usagePrice",
    "variableType" : "Double",
    "documentation" : null,
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},

"simple" : true,

"timestampFormat" : null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>.
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"xmlNameSpaceUri": null
}

"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getReservationName",
    "beanStyleSetterMethodName": "setReservationName",
    "c2jName": "ReservationName",
    "c2jShape": "ReservationToken",
    "defaultConsumerFluentSetterDocumentation": "<p>The customer-specified identifier to track this reservation.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to the convenience method to create the identifier.\n
When the method completes, the identifier is passed to the setter method.\n\n@param reservationName a consumer that will call methods on the String.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
    "deprecated": false,
    "documentation": "<p>The customer-specified identifier to track this reservation.</p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "reservationName",
    "fluentSetterDocumentation": "<p>The customer-specified identifier to track this reservation.</p>\n@see #reservationName(String)",
    "getterDocumentation": "<p>The customer-specified identifier to track this reservation.</p>\n@see #reservationName(String)",
    "getterModel": {
      "returnType": "String",
      "documentation": null
    },
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
The customer-specified identifier to track this reservation.

@param reservationName The customer-specified identifier to track this reservation.

@param

### setterDocumentation

"setterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>\n@param reservationName The customer-specified identifier to track this reservation.

"setterMethodName" : "setReservationName",

"setterModel" : {  
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
  }

"simple" : true,

"timestampFormat" : null,

"variable" : {  
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier to track this reservation.</p>\n@p",
  "simpleType" : "String",
  "variableSetterType" : "String"
  }

"xmlNameSpaceUri" : null

"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",

"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",

"c2jName" : "ReservedElasticsearchInstanceId",

"c2jShape" : "GUID"
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [reservedElasticsearchInstanceId(String)].
@see reservedElasticsearchInstanceId a consumer that will call methods on [String.Builder]
@return Returns a reference to this object so that method calls can be chained together.

reservedElasticsearchInstanceId(String)",
  "deprecated" : false,
  "documentation" : "<p>The unique identifier for the reservation.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceId",
  "fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
  @param reservedElasticsearchInstanceId The unique identifier for the reservation.
  @return Returns a reference to this object so that method calls can be chained together.
",
  "getterDocumentation" : "<p>The unique identifier for the reservation.</p>
  @return The unique identifier for the reservation.
",
  "getterModel" : {"returnType" : "String", "documentation" : null}
},
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceId",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>The unique identifier for the reservation.</p>
@param reservedElasticsearchInstanceId The unique identifier for the reservation.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the reservation.</p>
", 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.</p>
This is a convenience that creates an instance of the [{@link String.Builder} avoiding the need to create one manually via [{@link String#builder()}].
When the [{@link Consumer}] completes, [{@link String.Builder#build()}] is called immediately and its result is passed to [{@link #reservedElasticsearchInstanceOfferingId(String)}].
@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on [{@link String.Builder}]
"n@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceOfferingId(String)"
, 
  "deprecated" : false,
  "documentation" : "<p>The offering identifier.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "<p>The offering identifier.</p>
"n@param
reservedElasticsearchInstanceOfferingId The offering identifier.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "&lt;p&gt;The offering identifier.&lt;/p&gt;

@return The offering identifier.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"simple" : false,
"setterDocumentation" : "&lt;p&gt;The offering identifier.&lt;/p&gt;

@param reservedElasticsearchInstanceOfferingId The offering identifier.

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",

"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceOfferingId",
"variableType": "String",
"documentation": "<p>The offering identifier.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsNameSpaceUri": null
],
"beanStyleGetterMethodName": "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName": "setElasticsearchInstanceType",
"c2jName": "ElasticsearchInstanceType",
"c2jShape": "ESPartitionInstanceType",
"defaultValueFluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering. If the service returns an enum value that is not available in the current SDK version, [ @link #elasticsearchInstanceType ] will return ['UNKNOWN_TO_SDK_VERSION']. The raw value returned by the service is available from [ @link #elasticsearchInstanceTypeAsString ].</p>",
"deprecated": false,
"documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>

If the service returns an enum value that is not available in the current SDK version, [ @link #elasticsearchInstanceType ] will return ['UNKNOWN_TO_SDK_VERSION']. The raw value returned by the service is available from [ @link #elasticsearchInstanceTypeAsString ].

When the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #elasticsearchInstanceTypeAsString(String) ] a consumer that will call methods on [ @link String.Builder ]

@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType

@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType

@link String.Builder#build()

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@link String.Builder#build()
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\n", "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStartTime",
"beanStyleSetterMethodName" : "setStartTime"
"c2jName" : "startTime",
"c2jShape" : "UpdateTime",
"defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.\nThis is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via [@link Instant#builder()].\nWhen the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link #startTime(Instant)].\n@param startTime a consumer that will call methods on [@link Instant.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #startTime(Instant)",
"deprecated" : false,
"documentation" : "<p>The time the reservation started.\n</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTime",
"fluentSetterDocumentation" : "<p>The time the reservation started.\n@param startTime The time the reservation started.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #startTime(Instant)",
"fluentSetterMethodName" : "startTime",
"getterDocumentation" : "<p>The time the reservation started.\n@return The time the reservation started.\n</p>",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTime",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType": "INSTANT",
"name": "StartTime",
"sensitive": false,
"setterDocumentation": "<p>The time the reservation started.</p>
@param startTime The time the reservation started.",
"setterMethodName": "setStartTime",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTime",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTime",
  "variableType": "java.time.Instant",
  "documentation": "<p>The time the reservation started.</p>
  @param startTime The time the reservation started.",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getDuration",
  "beanStyleSetterMethodName": "setDuration",
  "c2jName": "Duration",
  "c2jShape": "Integer",
  "defaultConsumerFluentSetterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
  @param duration a consumer that will call methods on { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #duration(Integer)}.
  @return Returns a reference to this object so that method calls can be chained together.
  @see #duration(Integer)",
  "deprecated": false,
  "documentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
  @param duration The duration, in seconds, for which the Elasticsearch instance is reserved.",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "duration",
  "fluentSetterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
  @param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
  @return Returns a reference to this object so that method calls can be chained together.",

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"fluentSetterMethodName": "duration",
"getterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is 
reserved.</p>@return The duration, in seconds, for which the Elasticsearch instance is reserved.",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Duration",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Duration",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "Duration",
"setterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is 
reserved.</p>@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.",
"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"}
"variableName" : "duration",
"variableType" : "Integer",
"documentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double#builder()}. When the {@link Double.Builder#build()} is called immediately and its result is passed to {@link Double#builder}. Returns a reference to this object so that method calls can be chained together.

- **deprecated** : false,
- **documentation** : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering."
- **endpointDiscoveryId** : false,
- **enumType** : null,
- **eventHeader** : false,
- **eventPayload** : false,
- **fluentEnumGetterMethodName** : null,
- **fluentEnumSetterMethodName** : null,
- **fluentGetterMethodName** : "fixedPrice",
- **fluentSetterDocumentation** : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering."
- **getterDocumentation** : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering."
- **getterModel** : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

The rate you are charged for each hour for the domain that
is using this reserved instance.

This is a convenience that creates an instance of the [Double.Builder] avoiding the need to create one manually via [Double.builder()].

When the [Consumer] completes, [Double.Builder.build()] is called immediately and its result is passed to [Double.Builder usagePrice(Double)].

@see #usagePrice(Double)

@return Returns a reference to this object so that method calls can be chained together.

@deprecated

The rate you are charged for each hour for the domain that is using this reserved instance.

@see #usagePrice(Double)
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"sensitive" : false,
"setterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved
instance.</p>
@param usagePrice The rate you are charged for each hour for the domain that is using this reserved
instance."
,
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved
instance.</p>
"simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getCurrencyCode",
  "beanStyleSetterMethodName" : "setCurrencyCode",
  "c2jName" : "CurrencyCode",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance
offering.</p>
\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to
{@link #currencyCode(String)}.
\n@param currencyCode a consumer that will call methods on
{@link String.Builder}\n\n@return Returns a reference to this
object so that method calls can be chained together.\n@see #currencyCode(String)"
,
  "deprecated" : false,
  "documentation" : "<p>The currency code for the reserved Elasticsearch instance
offering.</p>",  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
'The currency code for the reserved Elasticsearch instance offering.

**@param currencyCode** The currency code for the reserved Elasticsearch instance offering.

**@return** Returns a reference to this object so that method calls can be chained together.

```javascript
"fluentSetterMethodName": "currencyCode",
"getterDocumentation": "The currency code for the reserved Elasticsearch instance offering.

**@return** The currency code for the reserved Elasticsearch instance offering.

```javascript
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "CurrencyCode",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "CurrencyCode",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "CurrencyCode",
"simple": false,
"setterDocumentation": "The currency code for the reserved Elasticsearch instance offering.

**@param currencyCode** The currency code for the reserved Elasticsearch instance offering.

```javascript
"setterMethodName": "setCurrencyCode",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currencyCode",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
"simple": true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}, {
  "beanStyleGetterMethodName" : "getElasticsearchInstanceCount",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceCount",
  "c2jName" : "ElasticsearchInstanceCount",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : "The number of Elasticsearch instances that have been reserved.
This is a convenience that creates an instance of the [Integer.Builder] avoiding the need to create one manually via [Integer.Builder#build()].
When the [Integer.Consumer] completes, [Integer.Builder#build()] is called immediately and its result is passed to [ElasticsearchInstanceCount(Integer)].
@see ElasticsearchInstanceCount(Integer)",
  "deprecated" : false,
  "documentation" : "The number of Elasticsearch instances that have been reserved.
endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchInstanceCount",
  "fluentSetterDocumentation" : "The number of Elasticsearch instances that have been reserved.
fluentSetterMethodName" : "elasticsearchInstanceCount",
  "fluentSetterDocumentation" : "The number of Elasticsearch instances that have been reserved.
@see ElasticsearchInstanceCount=Integer The number of Elasticsearch instances that have been reserved
return Returns a reference to this object so that method calls can be chained together."
  "getterDocumentation" : "The number of Elasticsearch instances that have been reserved.
getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceCount",
"queryString" : false,
"statusCd" : false,
"unmarshallLocationName" : "ElasticsearchInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "ElasticsearchInstanceCount",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The number of Elasticsearch instances that have been reserved.&lt;/p&gt;&lt;p&gt;n&lt;/p&gt;&lt;param name="elasticsearchInstanceCount"&gt;The number of Elasticsearch instances that have been reserved.&lt;/param&gt;",
"setterMethodName" : "setElasticsearchInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : "&lt;p&gt;The number of Elasticsearch instances that have been reserved.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getState",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The state of the reserved Elasticsearch instance.&lt;/p&gt;&lt;param name="State"&gt;This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #state(String)\}.\n
@uml
@caption {@uml Title}

```
public String state(@uml\{Consumer\} state)
```

@uml
@caption {@uml Title}

```
public String state(@uml\{Consumer\} state)
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@uml
@caption {@uml Title}

```
public String state(@uml\{Consumer\} state)
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public String state(@uml\{Consumer\} state)
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public String state(@uml\{Consumer\} state)
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public String state(@uml\{Consumer\} state)
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@caption {@uml Title}

```
public String state(@uml\{Consumer\} state)
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public String state(@uml\{Consumer\} state)
```
"sensitive" : false,
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>\n@param state The state of the reserved Elasticsearch instance.",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the reserved Elasticsearch instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.\n\n@param paymentOption a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #paymentOption(String)",
  "deprecated" : false,
  "documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>\\n@end\n"endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>\n@see ReservedElasticsearchInstancePaymentOption\n@return Returns a reference to this object so that method calls can be chained together.\n@see ReservedElasticsearchInstancePaymentOption","
The payment option as defined in the reserved Elasticsearch instance offering. If the service returns an enum value that is not available in the current SDK version, `@link #paymentOption` will return `@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `@link #paymentOptionAsString`.

```
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "PaymentOption",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "PaymentOption",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,
"setterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering. @param paymentOption The payment option as defined in the reserved Elasticsearch instance offering. @see ReservedElasticsearchInstancePaymentOption",

```

"setterMethodName" : "setPaymentOption",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "paymentOption",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
The payment option as defined in the reserved Elasticsearch instance offering.

This is a convenience that creates an instance of the `List<RecurringCharge>.Builder` avoiding the need to create one manually via `List<RecurringCharge>#builder()`.

When the `Consumer` completes, `List<RecurringCharge>.Builder#build()` is called immediately and its result is passed to `List<RecurringCharge>.Builder`.

The charge to your account regardless of whether you are creating any domains using the instance offering.

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`.

The charge to your account regardless of whether you are creating any domains using the instance offering.

The charge to your account regardless of whether you are creating any domains using the instance offering.

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Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`.

The charge to your account regardless of whether you are creating any domains using the instance offering.

The charge to your account regardless of whether you are creating any domains using the instance offering.

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`.
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "RecurringCharges",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RecurringCharges",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"ListModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge#builder()]. When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge.Builder#member(RecurringCharge)].

@see #member(RecurringCharge)"
  ,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnum GetterMethodName": "getMember",
  "fluentEnum SetterMethodName": "setMember",
  "c2jName": "member",
  "c2jShape": "RecurringCharge",
  "fluent Setter Documentation": "Sets the value of the Member property for this object. The new value for the Member property for this object.

@see #member(RecurringCharge)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnum GetterMethodName": "getMember",
  "fluentEnum SetterMethodName": "setMember",
  "fluent GetterMethodName": "member",
  "fluent Setter Documentation": "Sets the value of the Member property for this object. Returns a reference to this object so that method calls can be chained together.",
  "fluent Setter Method Name": "member",
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "RecurringCharges",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RecurringCharges",
  "uri": false
}
"getterDocumentation": "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",

"getterModel": {
"returnType": "RecurringCharge",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,

"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",

"setterMethodName": "setMember",

"setterModel": {
"variableDeclarationType": "RecurringCharge",
"variableName": "member",
"variableType": "RecurringCharge",
"documentation": null,
"simpleType": "RecurringCharge",
"variableSetterType": "RecurringCharge"
},

"simple": false,
"timestampFormat": null,

"variable": {
"variableDeclarationType": "RecurringCharge",
"variableName": "member",
"variableType": "RecurringCharge",
"documentation": null,
"simpleType": "RecurringCharge",
"variableSetterType": "RecurringCharge"
}
variableType" : "RecurringCharge",
"documentation" : 
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"sensitive" : false,
"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.
",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : null,
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>
",
"xmlNameSpaceUri" : null
]]
,"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedElasticsearchInstance",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstance",
  "variableName" : "reservedElasticsearchInstance",
  "variableType" : "ReservedElasticsearchInstance",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstance",
  "variableSetterType" : "ReservedElasticsearchInstance"
},
"wrapper" : false
},
"ReservedElasticsearchInstanceOffering" : {
  "c2jName" : "ReservedElasticsearchInstanceOffering",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Details of a reserved Elasticsearch instance offering.<p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
    "c2jName" : "ReservedElasticsearchInstanceOfferingId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch reserved instance offering identifier.<p>
This is a convenience that creates an instance of the {<link String.Builder} avoiding the need to
create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String#build()}` is called immediately and its result is passed to `{@link reservedElasticsearchInstanceOfferingId(String)}`.  

When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #reservedElasticsearchInstanceOfferingId(String)}`. A consumer that will call methods on `{@link String.Builder}`. `@return` Returns a reference to this object so that method calls can be chained together.

```
@see #reservedElasticsearchInstanceOfferingId(String)
```

```
"deprecated" : false,
"documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>

@see #reservedElasticsearchInstanceOfferingId(String)
```

```
"gettersDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>

@see #reservedElasticsearchInstanceOfferingId(String)
```

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"reservedElasticsearchInstanceOfferingId" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"name": "ReservedElasticsearchInstanceOfferingId",
"sensitive": false,
"setterDocumentation": "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.",
"setterMethodName": "setReservedElasticsearchInstanceOfferingId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": "<p>The Elasticsearch reserved instance offering identifier.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName": "setElasticsearchInstanceType",
"c2jName": "ElasticsearchInstanceType",
"c2jShape": "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
In this is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder().\n
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchInstanceType(String)(String)}\n
@see ESPartitionInstanceType
@deprecated"
"documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@endpointDiscoveryId": false,
"enumType": "ESPartitionInstanceType",
"eventId": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "elasticsearchInstanceType",
"fluentEnumSetterMethodName": "elasticsearchInstanceType",
"fluentGetterMethodName": "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
\n@see ESPartitionInstanceType\n@return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchInstanceType(String)"
chained together.

```
"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering. If the service returns an enum value that is not available in the current SDK version, the raw value returned by the service is available from the "elasticsearchInstanceTypeAsString" method.

The raw value returned by the service is available from the "elasticsearchInstanceTypeAsString" method.

```

```
"getterModel" : { "returnType" : "String", "documentation" : null },

```

```
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceType",
"uri" : false
},

```

```
"setterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.

```

```
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : { "variableDeclarationType" : "String",
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String"};

```

"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #duration(Integer)}.<p>@param duration a consumer that will call methods on {@link Integer.Builder}</p><p>@return Returns a reference to this object so that method calls can be chained together.</p><p>@see #duration(Integer)".
  "deprecated" : false,
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "duration",
  "fluentSetterMethodName" : "duration",
  "fluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p><p>@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p><p>@return The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>".
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Duration",
" sensitive" : false,
"setterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
@<p@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
"simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double.Builder#builder()}. When the Consumer completes, the result is passed to
@link #fixedPrice(Double).<p>
@returns Returns a reference to this object so that method calls can be chained together.
"param fixedPrice a consumer that will call methods on
@link Double.Builder
@returns Returns a reference to this object so that method calls can be chained together.
"returns Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.

@returns Returns a reference to this object so that method calls can be chained together.
"returns Returns a reference to this object so that method calls can be chained together.
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FixedPrice",
"uri" : false
},
"idempotencyToken" : false,
The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.

The rate you are charged for each hour the domain that is using the offering is running.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "usagePrice",
"getterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@return The rate you are charged for each hour the domain that is using the offering is running.",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"sensitive" : false,
"setterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.
@return The rate you are charged for each hour the domain that is using the offering is running.",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "usagePrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "usagePrice",
"variableType" : "Double",
"documentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getCurrencyCode",
"beanStyleSetterMethodName" : "setCurrencyCode",
"c2jName" : "CurrencyCode",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder<>(()}).\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #currencyCode(String)}.\n\n@param currencyCode a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.\n@see #currencyCode(String)",
"deprecated" : false,
"documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode",
"fluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder<>(())}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #currencyCode(String)}.\n\n@param currencyCode The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currencyCode",
"getterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder<>(())}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #currencyCode(String)}.\n\n@param currencyCode The currency code for the reserved Elasticsearch instance offering.\n@return The currency code for the reserved Elasticsearch instance offering.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"sensitive" : false,
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param


currencyCode

The currency code for the reserved Elasticsearch instance offering."


"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
null,
}

"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #paymentOptionAsString(String) \}. The return value is a reference to this object so that method calls can be chained together.\n
@see #paymentOption(String)",
"deprecated" : false,
"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",
"endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodname" : "paymentOptionAsstring",
"fluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
\nIf the service returns an enum value that is not available in the current SDK version, \{ @link #paymentOption \} will return \{ @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION \}. The raw value returned by the service is available from \{ @link #paymentOptionAsstring \}.\n
@see #paymentOption(String)",
"getterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
\nIf the service returns an enum value that is not available in the current SDK version, \{ @link #paymentOption \} will return \{ @link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION \}. The raw value returned by the service is available from \{ @link #paymentOptionAsstring \}.\n
@see #paymentOption(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PaymentOption",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"isSensitive" : false,
"setterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
},
"simple" : true,
"timestampFormat" : null,
"variable" : {...
"beanStyleGetterMethodName" : "getRecurringCharges",
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
This is a convenience that creates an instance of the { @link List<RecurringCharge>.Builder} avoiding the need to create one manually via { @link List<RecurringCharge>#builder()}. When the { @link Consumer} completes, { @link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to { @link #recurringCharges(List<RecurringCharge>)}
@see ReservedElasticsearchInstancePaymentOption"
@link List<RecurringCharge>.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #recurringCharges(List<RecurringCharge>)",
        "deprecated" : false,
        "documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.\n",
        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "recurringCharges",
        "fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.\n",
        "fluentSetterMethodName" : "recurringCharges",
        "getterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n",
        "getterModel" : {
            "returnType" : "java.util.List<RecurringCharge>",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayLoad" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "RecurringCharges",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "RecurringCharges",
            "uri" : false
        },
        "idempotencyToken" : false,
        "isBinary" : false,
        "jsonValue" : false,
        "list" : true,
        "listModel" : {
            "implType" : "java.util.ArrayList",
            "interfaceType" : "java.util.List"
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "RecurringCharge",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

  This is a convenience that creates an instance of the [link RecurringCharge.Builder](#) avoiding the need to create one manually via [link RecurringCharge#builder()](#).

  When the [link Consumer](#) completes, [link RecurringCharge.Builder#build()](#) is called immediately and its result is passed to {link #member(RecurringCharge)}.

  @param member a consumer that will call methods on [link RecurringCharge.Builder](#)

  @return Returns a reference to this object so that method calls can be chained together.

  @see #member(RecurringCharge)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

  The new value for the Member property for this object.

  @return Returns a reference to this object so that method calls can be chained together.

  @param member

  The new value for the Member property for this object.

  @return The value of the Member property for this object.

  @param member

  The new value for the Member property for this object.

  @return The value of the Member property for this object.

  @param member

  The new value for the Member property for this object.

  @return Returns a reference to this object so that method calls can be chained together.

  @see #member(RecurringCharge)",
  "getterDocumentation" : "Returns the value of the Member property for this object.

  @return Returns a reference to this object so that method calls can be chained together.

  @param member

  The new value for the Member property for this object.

  @return The value of the Member property for this object.

  @param member

  The new value for the Member property for this object.

  @return The value of the Member property for this object.

  @param member

  The new value for the Member property for this object.

  @return Returns a reference to this object so that method calls can be chained together.

  @see #member(RecurringCharge)",
  "getterModel" : {
    "returnType" : "RecurringCharge",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
The charge to your account regardless of whether you are creating any domains.
using the instance offering.</p>

@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.

setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : null,
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
}
]
"membersAsMap" : {
  "CurrencyCode" : {
    "beanStyleGetterMethodName" : "getCurrencyCode",
    "beanStyleSetterMethodName" : "setCurrencyCode",
    "c2jName" : "CurrencyCode",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link #builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #currencyCode(String)].\n\n@deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
  "fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #currencyCode(String)";
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
  "fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
  "fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
  "fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
  "fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "currencyCode",
  "fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
  "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.\nendPointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentSetterMethodName" : "currencyCode",
"getterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>@return The currency code for the reserved Elasticsearch instance offering.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"sensitive" : false,
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>@param currencyCode The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String"}
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "The currency code for the reserved Elasticsearch instance offering."
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Duration" : {
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #duration(Integer)}. Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)"
, "deprecated" : false,
"documentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance."
, "endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
@see #duration(Integer)"
, "fluentSetterMethodName" : "duration",
"getterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
@see #duration(Integer)"
, "getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Duration",
"sensitive" : false,
"setterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch
instance.\n\n@\param duration The duration, in seconds, for which the offering will reserve the Elasticsearch
instance.\n</p>",
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch
instance.\n</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchInstanceType" : {
  "beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceType",
  "c2jName" : "ElasticsearchInstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder().newInstance()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `#elasticsearchInstanceTypeAsString(String)`.

```
@deprecated
public String elasticsearchInstanceTypeAsString(Consumer<String.Builder> consumer)

@param elasticsearchInstanceType a consumer that will call methods on `String.Builder`
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchInstanceType(String)
```

The Elasticsearch instance type offered by the reserved instance offering.

```
public String elasticsearchInstanceType(String elasticsearchInstanceType)

@see ESPartitionInstanceType
```

The Elasticsearch instance type offered by the reserved instance offering.

```
public String elasticsearchInstanceType()

@see ESPartitionInstanceType
```

If the service returns an enum value that is not available in the current SDK version, `#elasticsearchInstanceType` will return `ESPartitionInstanceType.UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `#elasticsearchInstanceTypeAsString`.

```
public String elasticsearchInstanceTypeAsString()
```

The Elasticsearch instance type offered by the reserved instance offering.

```
public ESPartitionInstanceType elasticsearchInstanceType()
```

The Elasticsearch instance type offered by the reserved instance offering.

```
public ESPartitionInstanceType elasticsearchInstanceType(String elasticsearchInstanceType)
```

The Elasticsearch instance type offered by the reserved instance offering.

```
public ESPartitionInstanceType elasticsearchInstanceType()
```

The Elasticsearch instance type offered by the reserved instance offering.
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"FixedPrice" : {
  "beanStyleGetterMethodName" : "getFixedPrice",
  "beanStyleSetterMethodName" : "setFixedPrice",
  "c2jName" : "FixedPrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.\nThis is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double#builder()}.\nWhen the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link #fixedPrice(Double)} a consumer that will call methods on {@link Double.Builder}.\n\n@returns{Double} Returns a reference to this object so that method calls can be chained together.\n@see #fixedPrice(Double)"
},
"deprecated" : false,
"documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "&lt;p&gt;The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;\n@returns Returns a reference to this object so that method calls can be chained together.&lt;",
"fluentSetterMethodName" : "fixedPrice",
"getterDocumentation" : "&lt;p&gt;The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;\n@returns The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.&lt;",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "FixedPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FixedPrice",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. &lt;/p&gt;\n@returns The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.&lt;",
"setterMethodName" : "setFixedPrice",
"setterModel" : {

"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. <p>
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultValueConsumerFluentSetterDocumentation" : "Payment option for the reserved Elasticsearch instance offering
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #paymentOptionAs(String)}. Returns a reference to this object so that method calls can be chained together.\n\n@see #paymentOption(String)",
"deprecated" : false,
"documentation" : "Payment option for the reserved Elasticsearch instance offering</p>
","endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "Payment option for the reserved Elasticsearch instance offering
\n@see ReservedElasticsearchInstancePaymentOption\n\n@see ReservedElasticsearchInstancePaymentOption
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ReservedElasticsearchInstancePaymentOption",
"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "Payment option for the reserved Elasticsearch instance offering</p>

If the service returns an enum value that is not available in the current SDK version, { @link #paymentOption} will
return `{@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}`. The raw value returned by the service is available from `{@link #paymentOptionAsString}`.

```java
getPaymentOption() {
    return {`PaymentOption`Option
        .getVariableDeclarationType() = "String",
        .getVariableName() = "paymentOption",
        .getVariableType() = "String",
        .getDocumentation() = null,
        .getSimpleType() = "String",
        .getVariableSetterType() = "String"
    }
}[
    "returnType" : "String",
    "documentation" : null
],

```

### setterModel

```java
`: ["setterModel" : {
    "setterMethodName" : "setPaymentOption",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "paymentOption",
        "variableType" : "String",
        "documentation" : null,
        "simpleType" : "String",
        "variableSetterType" : "String"
    }
},
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {

```
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
"beanStyleGetterMethodName" : "getRecurringCharges",
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the
{@link List<RecurringCharge>.Builder} avoiding the need to create one manually via
{@link List<RecurringCharge>#builder()}. When the
{@link Consumer} completes, the
{@link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to
{@link #recurringCharges(List<RecurringCharge>)}. Returns a reference to this object so that method calls can be chained together.
@see #recurringCharges(List<RecurringCharge>)",
"deprecated" : false,
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using
the instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any
domains using the instance offering.</p>
@param recurringCharges The charge to your account regardless of
whether you are creating any domains using the instance offering.
@return Returns a reference to this object so that
method calls can be chained together.
",
"fluentSetterMethodName" : "recurringCharges",
"getterDocumentation" : "<p>The charge to your account regardless of whether you are creating any
domains using the instance offering.</p>
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@param recurringCharges The charge to your account regardless of whether you are creating any
domains using the instance offering.
@return Returns a reference to this object so that
method calls can be chained together.
",
"getterModel" : {
"returnType" : "java.util.List<RecurringCharge>"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringCharges",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link RecurringCharge.Builder} avoiding the need to create one manually via { @link RecurringCharge#builder()}. When the { @link Consumer} completes, { @link RecurringCharge.Builder#build()} is called immediately and its result is passed to { @link #member(RecurringCharge)}\n\n@see #member(RecurringCharge)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.\n\n@see #member(RecurringCharge)",
"getterModel" : [
"returnType" : "RecurringCharge",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : null,
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"}
"variableSetterType" : "RecurringCharge",
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"sensitive" : false,
"setterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>\n@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : null,
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>\n",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferingId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId"}
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)}. @param reservedElasticsearchInstanceOfferingId a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #reservedElasticsearchInstanceOfferingId(String)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@return The Elasticsearch reserved instance offering identifier.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.</p>",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
  "beanStyleGetterMethodName" : "getUsagePrice",
  "beanStyleSetterMethodName" : "setUsagePrice",
  "c2jName" : "UsagePrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>
  <p>This is a convenience that creates an instance of the { @link Double.Builder}
  avoiding the need to create one manually via { @link Double#builder()}. When the { @link Consumer}
  completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link
  #usagePrice(Double)}.<p>@param usagePrice a consumer that will call methods on { @link
  Double.Builder}<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see
  #usagePrice(Double)"
},
  "deprecated" : false,
  "documentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>"},
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running. Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "usagePrice",
"getterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.
@return The rate you are charged for each hour the domain that is using the offering is running.",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UsagePrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UsagePrice",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"sensitive" : false,
"setterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.
@return The rate you are charged for each hour the domain that is using the offering is running.",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double"}
"variableSetterType" : "Double",
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour the domain that is using the offering is running.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlnsNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
    "c2jName" : "ReservedElasticsearchInstanceOfferingId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch reserved instance offering identifier. This is a convenience that creates an instance of the \{String.Builder\} avoiding the need to create one manually via \{String#builder()\}. When the \{Consumer\} completes, \{String.Builder#build()\} is called immediately and its result is passed to \{ReservedElasticsearchInstanceOfferingId(String)\}.\n\n@see #reservedElasticsearchInstanceOfferingId(String)"
  },
  {
    "deprecated" : false,
    "documentation" : "The Elasticsearch reserved instance offering identifier.\n\n@see #reservedElasticsearchInstanceOfferingId(String)"
  }
],
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "The Elasticsearch reserved instance offering identifier.\n\n@see #reservedElasticsearchInstanceOfferingId(String)"
},
"http" : {
  "fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "getterDocumentation" : "The Elasticsearch reserved instance offering identifier.\n\n@see #reservedElasticsearchInstanceOfferingId(String)"
},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param 
reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The Elasticsearch instance type offered by the reserved instance offering.&lt;/p&gt;&lt;\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder().&lt;\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to the constant a consumer that will call methods on the String.Builder.&lt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;\n@see ElasticsearchInstanceType(String),
"deprecated" : false,
"documentation" : "&lt;p&gt;The Elasticsearch instance type offered by the reserved instance offering.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "&lt;p&gt;The Elasticsearch instance type offered by the reserved instance offering.&lt;/p&gt;&lt;\nIf the service returns an enum value that is not available in the current SDK version, the constant will return the raw value returned by the service is available from the constant offering.&lt;\n@see ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from the constant offering.&lt;\n@see ESPartitionInstanceType}&lt;\n@return Returns a reference to this object so that method calls can be chained together.&lt;\n@see ESPartitionInstanceType",
"getterDocumentation" : "&lt;p&gt;The Elasticsearch instance type offered by the reserved instance offering.&lt;/p&gt;&lt;\nIf the service returns an enum value that is not available in the current SDK version, the constant will return the raw value returned by the service is available from the constant offering.&lt;\n@see ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from the constant offering.&lt;\n@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceType",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "The Elasticsearch instance type offered by the reserved instance offering.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>

This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #duration(Integer)].

@returns

A reference to this object so that method calls can be chained together.

@see #duration(Integer)",
"deprecated" : false,
The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

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The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getFixedPrice",
  "beanStyleSetterMethodName" : "setFixedPrice",
  "c2jName" : "FixedPrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>\nThis is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double.builder()}.\n\nWhen the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #fixedPrice(Double)}.\n@Param fixedPrice a consumer that will call methods on { @link Double.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #fixedPrice(Double)",
  "deprecated" : false,
  "documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>\nThis is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double.builder()}.\n\nWhen the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #fixedPrice(Double)}.\n@Param fixedPrice a consumer that will call methods on { @link Double.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #fixedPrice(Double)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "fixedPrice",
  "fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>\n@Param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "fixedPrice",
  "getterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>\n@Param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #fixedPrice(Double)",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "fixedPrice",
    "variableType" : "Double",
    "documentation" : null,
    "simpleType" : "Double",
    "variableSetterType" : "Double"
  },
  "xmlNameSpaceUri" : null
}
Elasticsearch instance offering. </p><p>@return The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.

"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "FixedPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FixedPrice",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,
"setterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p><p>@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.

"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",  
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
}
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUsagePrice",
"beanStyleSetterMethodName" : "setUsagePrice",
"c2jName" : "UsagePrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running. \nThis is a convenience that creates an instance of the \n{@link Double.Builder} avoiding the need to create one manually via \n{@link Double.Builder\#build()}. \nWhen the \n{@link Consumer} completes, \n{@link Double.Builder\#build()} is called immediately and its result is passed to \n{@link #usagePrice(Double)}. \n@return Returns a reference to this object so that method calls can be chained together. \n@see #usagePrice(Double)",
"deprecated" : false,
"documentation" : "The rate you are charged for each hour the domain that is using the offering is running.\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.\n@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "usagePrice",
"getterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.\n@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "UsagePrice",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UsagePrice",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "UsagePrice",
"sensitive": false,
"setterDocumentation": "The rate you are charged for each hour the domain that is using the offering is running.

@see param usagePrice The rate you are charged for each hour the domain that is using the offering is running.",
"setterMethodName": "setUsagePrice",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": null,
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": "The rate you are charged for each hour the domain that is using the offering is running.",
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getCurrencyCode",
"beanStyleSetterMethodName": "setCurrencyCode",
"c2jName": "CurrencyCode",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "The currency code for the reserved Elasticsearch instance
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `currencyCode(String)`. 

Returns a reference to this object so that method calls can be chained together.

```java
public CurrencyCode withCurrencyCode(String currencyCode)
```

@see `currencyCode(String)`
"name" : "CurrencyCode",
"sensitive" : false,
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.,
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@see ReservedElasticsearchInstancePaymentOption
@return Returns a reference to this object so that method calls can be chained together.
@see RESERVEDELASTICSEARCHINSTANCEPAYMENTOPTION
  "deprecated" : false,
  "documentation" : "<p>Payment option for the reserved Elasticsearch instance offering.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : "ReservedElasticsearchInstancePaymentOption",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "paymentOption",
  "fluentEnumSetterMethodName" : "paymentOption",
  "fluentGetterMethodName" : "paymentOptionAsString",
  "fluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering.</p>
@see ReservedElasticsearchInstancePaymentOption
@return Returns a reference to this object so that method calls can be chained together.
@see RESERVEDELASTICSEARCHINSTANCEPAYMENTOPTION
"
be chained together.

@see ReservedElasticsearchInstancePaymentOption

"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "&lt;p&gt;Payment option for the reserved Elasticsearch instance offering&lt;/p&gt;&lt;p&gt;If the service returns an enum value that is not available in the current SDK version, [@link #paymentOption] will return [@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #paymentOptionAsString].&lt;/p&gt;&lt;p&gt;@return Payment option for the reserved Elasticsearch instance offering&lt;/p&gt;&lt;p&gt;@see ReservedElasticsearchInstancePaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"simpleType" : false,
"setterDocumentation" : "&lt;p&gt;Payment option for the reserved Elasticsearch instance offering&lt;/p&gt;&lt;p&gt;@param paymentOption Payment option for the reserved Elasticsearch instance offering&lt;/p&gt;&lt;p&gt;@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
null,"simple":true,"timestampFormat":null,"variable":{}
  "variableDeclarationType":"String","variableName":"paymentOption","variableType":"String","documentation":"<p>Payment option for the reserved Elasticsearch instance offering</p>","simpleType":"String","variableSetterType":"String"},
"xmlNameSpaceUri":null},

"beanStyleGetterMethodName":"getRecurringCharges","beanStyleSetterMethodName":"setRecurringCharges","c2jName":"RecurringCharges","c2jShape":"RecurringChargeList","defaultConsumerFluentSetterDocumentation":"<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the {@link List<RecurringCharge>.Builder} avoiding the need to create one manually via {@link List<RecurringCharge>#builder()}. When the {@link Consumer} completes, the returned reference can be passed to the method. The method call can be chained together.

"deprecated":false,"documentation":"<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>"
,"endpointDiscoveryId":false,"enumType":null,"eventHeader":false,"eventPayload":false,"fluentEnumGetterMethodName":null,"fluentEnumSetterMethodName":null,"fluentGetterMethodName":"recurringCharges","fluentSetterDocumentation":"<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.
@return Returns a reference to this object so that method calls can be chained together.
"getterModel":{
  "returnType":"java.util.List<RecurringCharge>"},
"deprecated":false,"documentation":"<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>"
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "RecurringCharges",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RecurringCharges",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [{@link RecurringCharge.Builder}] avoiding the need to create one manually via [{@link RecurringCharge#builder()}]. When the [{@link Consumer}] completes, [{@link RecurringCharge.Builder#build()}) is called immediately and its result is passed to [{@link #member(RecurringCharge)}].

@see #member(RecurringCharge)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "getMember",
  "fluentEnumSetterMethodName": "setMember",
  "c2jName": "member",
  "c2jShape": "RecurringCharge",
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object. The new value for the Member property for this object.

@see #member(RecurringCharge)"
  "fluentSetterMethodName": "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.",

"getterModel" : {
  "returnType" : "RecurringCharge",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.",

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"variableType" : "RecurringCharge",
"documentation" : "",
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
",
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"sensitive" : false,
"setterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : null,
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>
  
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    
    "variableDeclarationType" : "java.util.List<RecurringCharge>",
    "variableName" : "recurringCharges",
    "variableType" : "java.util.List<RecurringCharge>",
    "documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
    "simpleType" : "List<RecurringCharge>",
    "variableSetterType" : "java.util.Collection<RecurringCharge>
    
    },
    "xmlNameSpaceUri" : null
  
} ]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedElasticsearchInstanceOffering",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "reservedElasticsearchInstanceOffering",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"wrapper" : false
},
"ReservedElasticsearchInstancePaymentOption" : {
  "c2jName" : "ReservedElasticsearchInstancePaymentOption",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscovery" : null,
  "enums" : [ {
    "name" : "ALL_UPFRONT",
    "value" : "ALL_UPFRONT"
  }, {
    "name" : "PARTIAL_UPFRONT",
    "value" : "PARTIAL_UPFRONT"
  }, {
    "name" : "NO_UPFRONT",
    "value" : "NO_UPFRONT"
  } ],
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResourceAlreadyExistsException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "ResourceAlreadyExistsException",
"variableName" : "resourceAlreadyExistsException",
"variableType" : "ResourceAlreadyExistsException",
"documentation" : null,
"simpleType" : "ResourceAlreadyExistsException",
"variableSetterType" : "ResourceAlreadyExistsException"
},
"wrapper" : false
}
,"ResourceNotFoundException" : {
"c2jName" : "ResourceNotFoundException",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : "ResourceNotFoundException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 409,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResourceNotFoundException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ResourceNotFoundException",
  "variableName" : "resourceNotFoundException",
  "variableType" : "ResourceNotFoundException",
  "documentation" : null,
  "simpleType" : "ResourceNotFoundException",
  "variableSetterType" : "ResourceNotFoundException"
},
"wrapper" : false
},
"ServiceSoftwareOptions" : {
  "c2jName" : "ServiceSoftwareOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The current options of an Elasticsearch domain service software options.\n\nThe current service software version that is present on the domain.\n\nThis is a convenience that creates an instance of the @link String.Builder\navoiding the need to create one manually via @link String#builder().\n\nWhen the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #currentVersion(String).\n\n@see #currentVersion(String)\n\n@returns a reference to this object so that method calls can be chained together.\n\n@returns a reference to this object so that method calls can be chained together.\"\n  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : {
    "beanStyleGetterMethodName" : "getCurrentVersion",
    "beanStyleSetterMethodName" : "setCurrentVersion",
    "c2jName" : "CurrentVersion",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The current service software version that is present on the domain.\n\nThis is a convenience that creates an instance of the @link String.Builder\navoiding the need to create one manually via @link String#builder().\n\nWhen the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #currentVersion(String).\n\n@see #currentVersion(String)\n\n@returns a reference to this object so that method calls can be chained together.\n\n@returns a reference to this object so that method calls can be chained together.\"
  }
};
"required" : null,
"shapeName" : "ResourceNotFoundException",
"simpleMethod" : false,
"unmarshaller" : null,
"deprecated" : false,
"documentation" : "The current service software version that is present on the domain.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currentVersion",
"fluentSetterDocumentation" : "The current service software version that is present on the domain.
@param currentVersion The current service software version that is present on the domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currentVersion",
"getterDocumentation" : "The current service software version that is present on the domain.
@return The current service software version that is present on the domain.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrentVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrentVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"sensitive" : false,
"setterDocumentation" : "The current service software version that is present on the domain.
@param currentVersion The current service software version that is present on the domain.
@return The current service software version that is present on the domain.",
"setterMethodName" : "setCurrentVersion"
The new service software version if one is available.

@param newVersion

The new service software version if one is available.

@returns
"xmlNameSpaceUri" : null,
},
"beanStyleGetterMethodName" : "getUpdateAvailable",
"beanStyleSetterMethodName" : "setUpdateAvailable",
"c2jName" : "UpdateAvailable",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}.<br>
When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to the updateAvailable(Boolean) method that will call methods on the Boolean.Builder object so that method calls can be chained together.\n@see #updateAvailable(Boolean)",
"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateAvailable",
"fluentSetterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "updateAvailable",
"getterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
@return True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
@return Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateAvailable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateAvailable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpdateAvailable",
"sensitive" : false,
"setterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
@param updateAvailable True</code> if you are able to update you service software version. <code>False",
"setterMethodName" : "setUpdateAvailable",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "updateAvailable",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "updateAvailable",
"variableType" : "Boolean",
"documentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
"complexType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getCancellable",
"beanStyleSetterMethodName" : "setCancellable",
"c2jName" : "Cancellable",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.

This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #cancellable(Boolean)}. @param cancellable a consumer that will call methods on {@link Boolean.Builder}@return Returns a reference to this
object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable
True</code> if you are able to cancel your service software version update. 
False</code> if you are not able to cancel your service software version update. 
@return Returns a reference to this object so that method calls can be chained together."

"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version update. 
@return
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Cancellable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Cancellable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Cancellable",}
"sensitive": false,
"setterDocumentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable
True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </code>
"setterMethodName": "setCancellable",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getUpdateStatusAsString",
"beanStyleSetterMethodName": "setUpdateStatus",
"c2jName": "UpdateStatus",
"c2jShape": "DeploymentStatus",
"defaultConsumerFluentSetterDocumentation": "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #updateStatusAsString(String)}.\n@see #updateStatus(String)",
"deprecated": false,
"documentation": "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #updateStatusAsString(String)}.\n@see #updateStatus(String)"}
"fluentGetterMethodName" : "updateStatusAsString",
"fluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.\n@param updateStatus The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.\n@see DeploymentStatus\n@return Returns a reference to this object so that method calls can be chained together.\n@see DeploymentStatus",
"fluentSetterMethodName" : "updateStatus",
"getterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.\nIf the service returns an enum value that is not available in the current SDK version, [@link #updateStatus] will return [@link DeploymentStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #updateStatusAsString].\n@return The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.\n@see DeploymentStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpdateStatus",
"sensitive" : false,
The status of your service software update. This field can take the following values: `<code>ELIGIBLE</code>`, `<code>PENDING_UPDATE</code>`, `<code>IN_PROGRESS</code>`, `<code>COMPLETED</code>`, and `<code>NOT_ELIGIBLE</code>`. The description of the `<code>UpdateStatus</code>`.

This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #description(String)}`. Returns a reference to this object so that method calls can be chained together. @see #description(String)"
"fluentSetterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.</p>
@param description The description of the <code>UpdateStatus</code>.</n>@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "description",
"getterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.</p>
@return The description of the <code>UpdateStatus</code>.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Description",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Description",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"sensitive" : false,
"setterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.</p>
@param description The description of the <code>UpdateStatus</code>.",
"setterMethodName" : "setDescription",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "description",
  "variableType" : "String",
  "documentation" : "<p>The description of the <code>UpdateStatus</code>.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getAutomatedUpdateDate",
  "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
  "c2jName" : "AutomatedUpdateDate",
  "c2jShape" : "DeploymentCloseDateTimeStamp",
  "defaultValueFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>\nThis is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant#builder()}.\n\nWhen the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #automatedUpdateDate(Instant)}.\n@return <p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>\n\n\n@see #automatedUpdateDate(Instant)",
  "deprecated" : false,
  "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "automatedUpdateDate",
  "fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>\n\n\n@see #automatedUpdateDate(Instant)",
  "getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "getterModel" : {
    "returnType" : "java.time.Instant",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AutomatedUpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AutomatedUpdateDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "AutomatedUpdateDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.",
"setterMethodName" : "setAutomatedUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
 "AutomatedUpdateDate" : {
 "beanStyleGetterMethodName" : "getAutomatedUpdateDate",
 "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
 "c2jName" : "AutomatedUpdateDate",
 "c2jShape" : "DeploymentCloseDateTimeStamp",
 "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
This is a convenience that creates an instance of the { @link Instant.Builder } avoiding the need to create one manually via { @link Instant.Builder#build() }. When the { @link Instant.Consumer } completes, { @link #automatedUpdateDate(Instant) } is called immediately and its result is passed to { @link #automatedUpdateDate(Instant) }.

When the { @link Consumer } completes, { @link Instant.Builder#build() } is called immediately and its result is passed to { @link #automatedUpdateDate(Instant) }.

@param automatedUpdateDate a consumer that will call methods on { @link Instant.Builder#build() }.
@see #automatedUpdateDate(Instant)",
 "deprecated" : false,
 "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "automatedUpdateDate",
 "fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@return Returns a reference to this object so that method calls can be chained together.
@see #automatedUpdateDate(Instant)",
 "fluentSetterMethodName" : "automatedUpdateDate",
 "getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@return Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@see #automatedUpdateDate(Instant)",
 "getterModel" : {
 "returnType" : "java.time.Instant",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "AutomatedUpdateDate",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AutomatedUpdateDate",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "AutomatedUpdateDate",
"sensitive": false,
"setterDocumentation": "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>\n@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.",
"setterMethodName": "setAutomatedUpdateDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "automatedUpdateDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "automatedUpdateDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
"Cancellable": {
  "beanStyleGetterMethodName": "getCancellable",
  "beanStyleSetterMethodName": "setCancellable",
  "c2jName": "Cancellable"}
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
"<p>
This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean#builder()].
When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link cancellable(Boolean)].
@param cancellable a consumer that will call methods on [@link Boolean.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see cancellable(Boolean)",
"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cancellable",
"fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable <code>True</code> if you are able to cancel your service software version update. <code>False</code>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "cancellable",
"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@return True<code> if you are able to cancel your service software version update. <code>False</code>,
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Cancellable",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Cancellable",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Cancellable",
"sensitive": false,
"setterDocumentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable True if you are able to cancel your service software version update. <code>False</code>,

"setterMethodName": "setCancellable",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,

"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code>
  if you are not able to cancel your service software version version. </p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null

"CurrentVersion": {
  "beanStyleGetterMethodName": "getCurrentVersion",
  "beanStyleSetterMethodName": "setCurrentVersion",
  "c2jName": "CurrentVersion",
  "c2jShape": "String",
  "defaultConsumerFluentSetterDocumentation": "<p>The current service software version that is present on
  the domain.</p>\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link #currentVersion(String)}.\n@param currentVersion a consumer that will call methods on {@link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #currentVersion(String)",
  "deprecated": false,
  "documentation": "The current service software version that is present on the domain.\n"",
  "endpointDiscoveryId": false,
  "enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currentVersion",
"fluentSetterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@param currentVersion The current service software version that is present on the domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currentVersion",
"getterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@return The current service software version that is present on the domain.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrentVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrentVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@param currentVersion The current service software version that is present on the domain.",
"setterMethodName" : "setCurrentVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String"
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String" },
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currentVersion",
"variableType" : "String",
"documentation" : "<p>The current service software version that is present on the domain.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
"Description" : {
"beanStyleGetterMethodName" : "getDescription",
"beanStyleSetterMethodName" : "setDescription",
"c2jName" : "Description",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The description of the
<code>UpdateStatus</code></p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #description(String)}.

@see #description(String)

@param description a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #description(String)

@deprecated" : false,
"documentation" : "<p>The description of the <code>UpdateStatus</code></p>.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "description",
"fluentSetterDocumentation" : "<p>The description of the <code>UpdateStatus</code></p>

@see #description(String)

@param description The description of the <code>UpdateStatus</code>

@return Returns a reference to this object so that method calls can be chained together.

@see #description(String)

@fluentSetterMethodName" : "description",
"getterDocumentation" : "<p>The description of the <code>UpdateStatus</code></p>

@see #description(String)

@getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
The description of the `<code>UpdateStatus</code>`.

```
@param description

The description of the `<code>UpdateStatus</code>`.
```

```
@n@param description
```

```
The description of the `<code>UpdateStatus</code>`.
```

```
@n@param description
```

```
The description of the `<code>UpdateStatus</code>`.
```

```
@n@param description
```

```
The description of the `<code>UpdateStatus</code>`.
```

```
@n@param description
```

```
The description of the `<code>UpdateStatus</code>`.
```

```
@n@param description
```
"beanStyleGetterMethodName" : "getNewVersion",
"beanStyleSetterMethodName" : "setNewVersion",
"c2jName" : "NewVersion",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The new service software version if one is available.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #newVersion(String)}. A consumer that will call methods on a consumer that will call methods on the String object so that method calls can be chained together.
@see #newVersion(String)",
"deprecated" : false,
"documentation" : "<p>The new service software version if one is available.</p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "newVersion",
"fluentSetterDocumentation" : "<p>The new service software version if one is available.</p>
@param newVersion The new service software version if one is available.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "newVersion",
"getterDocumentation" : "<p>The new service software version if one is available.</p>
@return The new service software version if one is available.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "NewVersion",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "NewVersion",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
The new service software version if one is available.

@code
if you are able to update your service software version.
@endcode
@endcode
if you are not able to update your service software version.

This is a convenience that creates an instance of the \{@link Boolean.Builder\} avoiding the need to create one manually via \{@link Boolean#builder()\}. When the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #updateAvailable(Boolean)\}.

Returns a reference to this object so that method calls can be chained together.

@endcode

@endcode
if you are able to update your service software version.

@endcode
if you are not able to update your service software version.

@endcode

@endcode

@endcode

@endcode
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateAvailable",
"fluentSetterMethodName" : "updateAvailable",
"getterDocumentation" : "&lt;p&gt;&lt;code&gt;True&lt;/code&gt; if you are able to update you service software version. &lt;/p&gt;&lt;code&gt;False&lt;/code&gt; if you are not able to update your service software version. &lt;/p&gt;&lt;p&gt;\n@param updateAvailable True&lt;/code&gt; if you are able to update you service software version. &lt;/p&gt;&lt;code&gt;False&lt;/code&gt; if you are not able to update your service software version. &lt;/p&gt;&lt;code&gt;return Returns a reference to this object so that method calls can be chained together.";
"fluentSetterMethodName" : "updateAvailable",
"getterDocumentation" : "&lt;p&gt;&lt;code&gt;True&lt;/code&gt; if you are able to update you service software version. &lt;/p&gt;&lt;code&gt;False&lt;/code&gt; if you are not able to update your service software version. &lt;/p&gt;&lt;code&gt;return True&lt;/code&gt; if you are able to update you service software version. &lt;/code&gt;False",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateAvailable",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateAvailable",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpdateAvailable",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;&lt;code&gt;True&lt;/code&gt; if you are able to update you service software version. &lt;/p&gt;&lt;code&gt;False&lt;/code&gt; if you are not able to update your service software version. &lt;/p&gt;&lt;p&gt;\n@param updateAvailable True&lt;/code&gt; if you are able to update you service software version. &lt;/code&gt;False",
"setterMethodName" : "setUpdateAvailable",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
}
"variableName" : "updateAvailable",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "updateAvailable",
"variableType" : "Boolean",
"documentation" : "<p><code>True</code> if you are able to update you service software version. 
<code>False</code> if you are not able to update your service software version. </p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"UpdateStatus" : {
"beanStyleGetterMethodName" : "getUpdateStatusAsString",
"beanStyleSetterMethodName" : "setUpdateStatus",
"c2jName" : "UpdateStatus",
"c2jShape" : "DeploymentStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediatelly and its result is passed to {@link #updateStatusAsString(String)}. @param updateStatus a consumer that will call methods on [{@link String.Builder}]. @return Returns a reference to this object so that method calls can be chained together. @see #updateStatusAsString(String)",
"deprecated" : false,
"documentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. </p>",
"endpointDiscoveryId" : false,
"enumType" : "DeploymentStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "updateStatus",
"fluentEnumSetterMethodName" : "updateStatus",
"fluentGetterMethodName" : "updateStatusAsString",
"fluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. </p>",
"fluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. </p>
@param updateStatus The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>."
The status of your service software update. This field can take the following values: "ELIGIBLE", "PENDING_UPDATE", "IN_PROGRESS", and "NOT_ELIGIBLE".

If the service returns an enum value that is not available in the current SDK version, `updateStatus` will return `UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `{@link #updateStatusAsString}`.

```
@see DeploymentStatus
@return Returns a reference to this object so that method calls can be chained together.
@see DeploymentStatus",

```

```
"fluentSetterMethodName" : "updateStatus",
"getterDocumentation" : "The status of your service software update. This field can take the following values: "ELIGIBLE", "PENDING_UPDATE", "IN_PROGRESS", and "NOT_ELIGIBLE".

If the service returns an enum value that is not available in the current SDK version, `updateStatus` will return `UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `{@link #updateStatusAsString}`.

```

```
(@param updateStatus The status of your service software update. This field can take the following values: "ELIGIBLE", "PENDING_UPDATE", "IN_PROGRESS", and "NOT_ELIGIBLE".

```

```
```
<code>NOT_ELIGIBLE</code>,

```

"setterMethodName" : "setUpdateStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
```

```
onStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getCurrentVersion",
  "beanStyleSetterMethodName" : "setCurrentVersion",
  "c2jName" : "CurrentVersion",
  "c2jShape" : "String",
  "defaultValue" : null,
  "defaultConsumerFluentSetterDocumentation" : "The current service software version that is present on the domain."
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getCurrentVersion",
  "beanStyleSetterMethodName" : "setCurrentVersion",
  "c2jName" : "CurrentVersion",
  "c2jShape" : "String",
  "documentation" : "The current service software version that is present on the domain."
},
"deprecated" : false,
"documentation" : "The current service software version that is present on the domain."
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currentVersion",
"fluentSetterDocumentation" : "The current service software version that is present on the domain.
```

@see DeploymentStatus"},
```
"fluentSetterMethodName" : "setCurrentVersion",
"getterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@return The current service software version that is present on the domain.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrentVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrentVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@param currentVersion The current service software version that is present on the domain.",
"setterMethodName" : "setCurrentVersion",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currentVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String"
"variableName" : "currentVersion",
"variableType" : "String",
"documentation" : "<p>The current service software version that is present on the domain.<p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getNewVersion",
"beanStyleSetterMethodName" : "setNewVersion",
"c2jName" : "NewVersion",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The new service software version if one is available.<p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to
create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #newVersion(String)}.\n\n@param newVersion a consumer that will call methods on { @link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #newVersion(String)"
,
"deprecated" : false,
"documentation" : "<p>The new service software version if one is available.<p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "newVersion",
"fluentSetterMethodName" : "newVersion",
"fluentSetterDocumentation" : "<p>The new service software version if one is available.<p>
@param newVersion The new service software version if one is available.\n\n@return Returns a reference to this object so that method calls can be chained together.\n
"fluentSetterMethodName" : "newVersion",
"getterDocumentation" : "<p>The new service software version if one is available.<p>
\n@return The new service software version if one is available.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NewVersion"
The new service software version if one is available.

```java
@javax.annotation.Nullable
@com.fasterxml.jackson.annotation.JsonIgnore
@com.fasterxml.jackson.annotation.JsonPropertyOrder
public class NewVersion {

    // setters
    public void setNewVersion(String newVersion) {
        this.newVersion = newVersion;
    }

    // getters
    public String getNewVersion() {
        return newVersion;
    }

    // c2j
    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder builder() {
        return new NewVersion.Builder();
    }

    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder toBuilder(String newVersion) {
        return builder().newVersion(newVersion);
    }

    // Json
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null || getClass() != obj.getClass()) {
            return false;
        }
        NewVersion that = (NewVersion) obj;
        if (newVersion == null) {
            if (that.newVersion != null) {
                return false;
            }
        } else {
            if (that.newVersion == null) {
                return false;
            }
            if (!newVersion.equals(that.newVersion)) {
                return false;
            }
        }
        return true;
    }

    public int hashCode() {
        int result = newVersion != null ? newVersion.hashCode() : 0;
        return result;
    }

    @com.fasterxml.jackson.annotation.JsonIgnore
    public String toString() {
        return this.getClass().getName() + '{
            newVersion=
        }';
    }

    // c2j
    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder builder() {
        return new NewVersion.Builder();
    }

    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder toBuilder(String newVersion) {
        return builder().newVersion(newVersion);
    }

    // Json
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null || getClass() != obj.getClass()) {
            return false;
        }
        NewVersion that = (NewVersion) obj;
        if (newVersion == null) {
            if (that.newVersion != null) {
                return false;
            }
        } else {
            if (that.newVersion == null) {
                return false;
            }
            if (!newVersion.equals(that.newVersion)) {
                return false;
            }
        }
        return true;
    }

    public int hashCode() {
        int result = newVersion != null ? newVersion.hashCode() : 0;
        return result;
    }

    @com.fasterxml.jackson.annotation.JsonIgnore
    public String toString() {
        return this.getClass().getName() + '{
            newVersion=
        }';
    }

    // c2j
    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder builder() {
        return new NewVersion.Builder();
    }

    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder toBuilder(String newVersion) {
        return builder().newVersion(newVersion);
    }

    // Json
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null || getClass() != obj.getClass()) {
            return false;
        }
        NewVersion that = (NewVersion) obj;
        if (newVersion == null) {
            if (that.newVersion != null) {
                return false;
            }
        } else {
            if (that.newVersion == null) {
                return false;
            }
            if (!newVersion.equals(that.newVersion)) {
                return false;
            }
        }
        return true;
    }

    public int hashCode() {
        int result = newVersion != null ? newVersion.hashCode() : 0;
        return result;
    }

    @com.fasterxml.jackson.annotation.JsonIgnore
    public String toString() {
        return this.getClass().getName() + '{
            newVersion=
        }';
    }

    // c2j
    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder builder() {
        return new NewVersion.Builder();
    }

    @com.fasterxml.jackson.annotation.JsonProperty
    @com.fasterxml.jackson.annotation.JsonCreator
    public static NewVersion.Builder toBuilder(String newVersion) {
        return builder().newVersion(newVersion);
    }

    // Json
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null || getClass() != obj.getClass()) {
            return false;
        }
        NewVersion that = (NewVersion) obj;
        if (newVersion == null) {
            if (that.newVersion != null) {
                return false;
            }
        } else {
            if (that.newVersion == null) {
                return false;
            }
            if (!newVersion.equals(that.newVersion)) {
                return false;
            }
        }
        return true;
    }

    public int hashCode() {
        int result = newVersion != null ? newVersion.hashCode() : 0;
        return result;
    }

    @com.fasterxml.jackson.annotation.JsonIgnore
    public String toString() {
        return this.getClass().getName() + '{
            newVersion=
        }';
    }
```
can be chained together.\n
@see updateAvailable(Boolean)",
  "deprecated" : false,
  "documentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "updateAvailable",
  "fluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
  @param updateAvailable
  <code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "updateAvailable",
  "getterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
  @return True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
  @return Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UpdateAvailable",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UpdateAvailable",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "BOOLEAN",
  "name" : "UpdateAvailable",
"setterDocumentation": "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>@param updateAvailable
True<code>false</code> if you are able to update you service software version. <code>False</code>
"setterMethodName": "setUpdateAvailable",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "updateAvailable",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "updateAvailable",
  "variableType": "Boolean",
  "documentation": "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
},
  "beanStyleGetterMethodName": "getCancellable",
  "beanStyleSetterMethodName": "setCancellable",
  "c2jName": "Cancellable",
  "c2jShape": "Boolean",
  "defaultConsumerFluentSetterDocumentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
</p>@param cancellable a consumer that will call methods on <code>Boolean.Builder</code>. 
@link Boolean.Builder When the <code>Boolean.Builder</code> completes, 
@link Boolean.Builder#build() is called immediately and its result is passed to <code>Boolean.Builder</code>. 
@see cancellable<code>(Boolean)</code>
"deprecated": false,
"documentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@endpointDiscoveryId": false,
"enumType": null,
"eventoHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetMethod потому что": "cancellable",
"fluentSetterDocumentation": "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>"}
update. &lt;code&gt;False&lt;/code&gt; if you are not able to cancel your service software version. &lt;/p&gt;&lt;n&gt;@param cancellable True&lt;/code&gt; if you are able to cancel your service software version update. &lt;code&gt;False&lt;/n&gt;@return Returns a reference to this object so that method calls can be chained together.",
    "fluuentSetterMethodName" : "cancellable",
    "getterDocumentation" : "&lt;p&gt;&lt;code&gt;True&lt;/code&gt; if you are able to cancel your service software version update. &lt;code&gt;False&lt;/code&gt; if you are not able to cancel your service software version. &lt;/p&gt;&lt;n&gt;@return True&lt;/code&gt; if you are able to cancel your service software version update. &lt;code&gt;False",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Cancellable",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Cancellable",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "BOOLEAN",
    "name" : "Cancellable",
    "sensitive" : false,
    "setterDocumentation" : "&lt;p&gt;&lt;code&gt;True&lt;/code&gt; if you are able to cancel your service software version update. &lt;code&gt;False&lt;/code&gt; if you are not able to cancel your service software version. &lt;/p&gt;&lt;n&gt;@param cancellable True&lt;/code&gt; if you are able to cancel your service software version update. &lt;code&gt;False",
    "setterMethodName" : "setCancellable",
    "setterModel" : {
        "variableDeclarationType" : "Boolean",
        "variableName" : "cancellable",
        "variableType" : "Boolean",
        "documentation" : null,
        "simpleType" : "Boolean",
        "variableSetterType" : "Boolean"
"cancellable": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "cancellable",
  "variableType": "Boolean",
  "documentation": "<p>True if you are able to cancel your service software version update. False if you are not able to cancel your service software version. </p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
  
  "beanStyleGetterMethodName": "getUpdateStatusAsString",
  "beanStyleSetterMethodName": "setUpdateStatus",
  "c2jName": "UpdateStatus",
  "c2jShape": "DeploymentStatus",
  "defaultConsumerFluentSetterDocumentation": "<p>The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.</p>
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.builder().When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #updateStatusAsString(String) a consumer that will call methods on String.Builder@return Returns a reference to this object so that method calls can be chained together.
"deprecated": false,
"documentation": "The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.
"endpointDiscoveryId": false,
"enumType": "DeploymentStatus",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "updateStatus",
"fluentEnumSetterMethodName": "updateStatus",
"fluentGetterMethodName": "updateStatusAsString",
"fluentSetterDocumentation": "The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE. The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.
The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE. The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE. The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE. The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE. The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.
"getterDocumentation": "The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.
"setterMethodName": "updateStatus",
"setterDocumentation": "The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.
"if the service returns an enum

---

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value that is not available in the current SDK version, [link #updateStatus] will return [link DeploymentStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [link #updateStatusAsString].

return The status of your service software update. This field can take the following values: [code]ELIGIBLE[/code], [code]PENDING_UPDATE[/code], [code]IN_PROGRESS[/code], [code]COMPLETED[/code], and [code]NOT_ELIGIBLE[/code].

@see DeploymentStatus

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpdateStatus",
"sensitive" : false,
"setterDocumentation" : "The status of your service software update. This field can take the following values: [code]ELIGIBLE[/code], [code]PENDING_UPDATE[/code], [code]IN_PROGRESS[/code], [code]COMPLETED[/code], and [code]NOT_ELIGIBLE[/code].",
"setterMethodName" : "setUpdateStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
```
The status of your service software update. This field can take the following values: ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #description(String). Returns a reference to this object so that method calls can be chained together. See #description(String).

The description of the UpdateStatus.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #description(String). Returns a reference to this object so that method calls can be chained together.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.

The description of the UpdateStatus.
The description of the UpdateStatus.

### setter Documentation

- **setterMethodName**: `setDescription`
- **setterModel**: 
  ```json
  {   
      "variableDeclarationType": "String",
      "variableName": "description",
      "variableType": "String",
      "documentation": null,
      "simpleType": "String",
      "variableSetterType": "String"
  }
  ```

### simple

- **simple**: `true`
- **timestampFormat**: `null`
- **variable**: 
  ```json
  {   
      "variableDeclarationType": "String",
      "variableName": "description",
      "variableType": "String",
      "documentation": "The description of the UpdateStatus.",
      "simpleType": "String",
      "variableSetterType": "String"
  }
  ```

### xmlNameSpaceUri

- **xmlNameSpaceUri**: `null`
"beanStyleSetterMethodName" : "setAutomatedUpdateDate",
"c2jName" : "AutomatedUpdateDate",
"c2jShape" : "DeploymentCloseDateTimeStamp",
"defaultValueFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder}. When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #automatedUpdateDate(Instant)}. @param automatedUpdateDate a consumer that will call methods on {@link Instant.Builder}; @return Returns a reference to this object so that method calls can be chained together. @see #automatedUpdateDate(Instant)",
"deprecated" : false,
"documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedUpdateDate",
"fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "automatedUpdateDate",
"getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@return Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@see #automatedUpdateDate(Instant)",
"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedUpdateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedUpdateDate",
  "canBeMarshalled" : true,
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "AutomatedUpdateDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.",
"setterMethodName" : "setAutomatedUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ServiceSoftwareOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {

"variableDeclarationType" : "ServiceSoftwareOptions",
"variableName" : "serviceSoftwareOptions",
"variableType" : "ServiceSoftwareOptions",
"documentation" : null,
"simpleType" : "ServiceSoftwareOptions",
"variableSetterType" : "ServiceSoftwareOptions"
},
"wrapper" : false
},
"SnapshotOptions" : {
"c2jName" : "SnapshotOptions",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours. </p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getAutomatedSnapshotStartHour",
"beanStyleSetterMethodName" : "setAutomatedSnapshotStartHour",
"c2jName" : "AutomatedSnapshotStartHour",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours. </p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #automatedSnapshotStartHour(Integer)}. The automatedSnapshotStartHour a consumer that will call methods on {@link Integer.Builder}.
@param automatedSnapshotStartHour a consumer that will call methods on {@link Integer.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #automatedSnapshotStartHour(Integer)"
,"deprecated" : false,
"documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of
the specified Elasticsearch domain. Default value is `<code>0</code>` hours. 

- `endpointDiscoveryId` : false,
- `enumType` : null,
- `eventHeader` : false,
- `eventPayload` : false,
- `fluentEnumGetterMethodName` : null,
- `fluentEnumSetterMethodName` : null,
- `fluentGetterMethodName` : "automatedSnapshotStartHour",
- `fluentSetterDocumentation` : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is `<code>0</code>` hours.</p>
@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is `<code>0</code>` hours.
@return Returns a reference to this object so that method calls can be chained together.",
- `fluentSetterMethodName` : "automatedSnapshotStartHour",
- `getterDocumentation` : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is `<code>0</code>` hours.</p>
@return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is `<code>0</code>` hours.

```

```

```
"setterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>

@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.

"setterMethodName" : "setAutomatedSnapshotStartHour",

"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified ElasticSearch domain. Default value is <code>0</code> hours.</p>
  
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "AutomatedSnapshotStartHour" : {
    "beanStyleGetterMethodName" : "getAutomatedSnapshotStartHour",
    "beanStyleSetterMethodName" : "setAutomatedSnapshotStartHour",
    "c2jName" : "AutomatedSnapshotStartHour",
    "c2jShape" : "IntegerClass",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified ElasticSearch domain. Default value is <code>0</code> hours.</p>
    
    "deprecated" : false,
    "documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified ElasticSearch domain. Default value is <code>0</code> hours.</p>
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "packageName" : null,
    "simple" : true,
    "simpleType" : "Range",
    "variable" : {
      "variableDeclarationType" : "Range",
      "variableName" : "automatedSnapshotStartHour",
      "variableType" : "Range",
      "documentation" : null,
      "simpleType" : "Range",
      "variableSetterType" : "Range"
    },
    "variable" : {
      "variableDeclarationType" : "Range",
      "variableName" : "automatedSnapshotStartHour",
      "variableType" : "Range",
      "documentation" : null,
      "simpleType" : "Range",
      "variableSetterType" : "Range"
    }
  }
},

"namespace" : "com.amazonaws.services.elasticsearch.model",

"type" : "Object",

"typeName" : "AutomatedSnapshotStartHour",

"unionType" : null,

"xmlNameSpaceUri" : null,

"xmlNameSpaceUri" : null}
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"fluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "automatedSnapshotStartHour",
"getterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>@return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AutomatedSnapshotStartHour",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AutomatedSnapshotStartHour",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "AutomatedSnapshotStartHour",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.",
"setterMethodName" : "setAutomatedSnapshotStartHour",
"setterModel" : {
"..."
"variableDeclarationType" : "Integer",
"variableName" : "automatedSnapshotStartHour",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "automatedSnapshotStartHour",
"variableType" : "Integer",
"documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}

"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getAutomatedSnapshotStartHour",
"beanStyleSetterMethodName" : "setAutomatedSnapshotStartHour",
"c2jName" : "AutomatedSnapshotStartHour",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}.When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link 
#automatedSnapshotStartHour(Integer)}.@param automatedSnapshotStartHour a consumer that will call methods on { @link Integer.Builder}.@return Returns a reference to this object so that method calls can be chained together.@see #automatedSnapshotStartHour(Integer)",
"deprecated" : false,
"documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedSnapshotStartHour",
"fluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>
@return Returns a reference to this
object so that method calls can be chained together.

"fluentSetterMethodName" : "automatedSnapshotStartHour",
"getterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n@return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n"getterModel" : {
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  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedSnapshotStartHour",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedSnapshotStartHour",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "AutomatedSnapshotStartHour",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.\n\n"setterMethodName" : "setAutomatedSnapshotStartHour",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
"variable": {  
  "variableDeclarationType": "Integer",  
  "variableName": "automatedSnapshotStartHour",  
  "variableType": "Integer",  
  "documentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",  
  "simpleType": "Integer",  
  "variableSetterType": "Integer" 
},  
"resultWrapper": null }],  
"requestSignerAware": false,  
"requestSignerClassFqn": null,  
"required": null,  
"shapeName": "SnapshotOptions",  
"simpleMethod": false,  
"unmarshaller": {  
  "flattened": false,  
  "resultWrapper": null  
},  
"variable": {  
  "variableDeclarationType": "SnapshotOptions",  
  "variableName": "snapshotOptions",  
  "variableType": "SnapshotOptions",  
  "documentation": null,  
  "simpleType": "SnapshotOptions",  
  "variableSetterType": "SnapshotOptions" 
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"wrapper": false 
},  
"SnapshotOptionsStatus": {  
  "c2jName": "SnapshotOptionsStatus",  
  "customization": {  
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    "skipGeneratingMarshaller": false,  
    "skipGeneratingModelClass": false,  
    "skipGeneratingUnmarshaller": false,  
    "staxTargetDepthOffset": 0  
  },  
  "deprecated": false,  
  "documentation": "<p>Status of a daily automated snapshot.</p>",  
  "endpointDiscovery": null,  
  "enums": null,  
  "errorCode": null,  
  "event": false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
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"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "SnapshotOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}\.\n\nWhen the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to {@link #options(SnapshotOptions)}.\n\n@see #options(SnapshotOptions)\n\n@see #options(SnapshotOptions)\n\r\r@see #options(SnapshotOptions)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>\n\nendpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>\n\n@param options Specifies the daily snapshot options specified for the Elasticsearch domain.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #options(SnapshotOptions)\n\n@see #options(SnapshotOptions)",
    "getterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>\n\n@param options Specifies the daily snapshot options specified for the Elasticsearch domain.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #options(SnapshotOptions)",
    "getterModel" : {
        "returnType" : "SnapshotOptions",
        "documentation" : null
    },
    "http" : { \n        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
    }}
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "options",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "options",
  "variableType" : "SnapshotOptions",
  "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
"simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
\nThis is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus.Builder#builder()}.\n\nWhen the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link
Specifies the status of a daily automated snapshot.

```
#status(OptionStatus)

@Param status a consumer that will call methods on { @link OptionStatus.Builder }

@Return Returns a reference to this object so that method calls can be chained
together.

@See #status(OptionStatus)
```

"deprecated" : false,
"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>"

*)((n)@return Returns a reference to this object so that method calls can be chained
together.

"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>"

*)((n)@return Specifies the status of a daily automated snapshot.

"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@param status Specifies the status of a daily automated snapshot."

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of a daily automated snapshot.</p>
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "SnapshotOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
    <p>This is a convenience that creates an instance of the <a href="#SnapshotOptions.Builder">@link SnapshotOptions.Builder</a> avoiding the need to create one manually via <a href="#SnapshotOptions.Builder#build()">@link SnapshotOptions.Builder#build()</a>. When the <a href="#SnapshotOptions.Builder#build()">@link SnapshotOptions.Builder#build()</a> completes, <a href="#SnapshotOptions.Builder#build()">@link SnapshotOptions.Builder#build()</a> is called immediately and its result is passed to <a href="#SnapshotOptions#options(SnapshotOptions)">@link SnapshotOptions#options(SnapshotOptions)</a>.<a href="#@param options a consumer a consumer that will call methods on SnapshotOptions.Builder">@param options a consumer a consumer that will call methods on <a href="#SnapshotOptions.Builder">SnapshotOptions.Builder</a></a>\n
@return Returns a reference to this object so that method calls can be chained together.<a href="#@see #options(SnapshotOptions)">@see #options(SnapshotOptions)</a>
  "deprecated" : false,
  "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  <p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  <a href="#@param options a consumer a consumer that will call methods on <a href="#SnapshotOptions.Builder">SnapshotOptions.Builder</a>\n
@return Returns a reference to this object so that method calls can be chained together.<a href="#@see #options(SnapshotOptions)">@see #options(SnapshotOptions)</a>
  "deprecated" : false,
  "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.
  <p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
  <a href="#@param options a consumer a consumer that will call methods on <a href="#SnapshotOptions.Builder">SnapshotOptions.Builder</a>\n
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "options",
"getterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>@return Specifies the daily snapshot options specified for the Elasticsearch domain.",
"getterModel": {
"returnType": "SnapshotOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Options",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Options",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
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"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>@param options Specifies the daily snapshot options specified for the Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
"variableDeclarationType": "SnapshotOptions",
"variableName": "options",
"variableType": "SnapshotOptions",
"documentation": null,
"simpleType": "SnapshotOptions",
"variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "SnapshotOptions"
"variableName" : "options",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}.

When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. When the consumer completes, the result is passed to the method.

@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@param status Specifies the status of a daily automated snapshot.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@return Specifies the status of a daily automated snapshot.
", 
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@param status
Specifies the status of a daily automated snapshot."
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of a daily automated snapshot.</p>
<p>Specifies the status of a daily automated snapshot.</p>
", "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "SnapshotOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the
Elasticsearch domain.</p>"\nThis is a convenience that creates an instance of the { @link SnapshotOptions.Builder}
When the \{@link Consumer\} completes, \{@link SnapshotOptions.Builder\#build()\} is called immediately and its result is passed to \{@link SnapshotOptions\#options(SnapshotOptions)\}. \n@returns a reference to this object so that method calls can be chained together.\n@see \#options(SnapshotOptions)",

\n
```
@deprecated
"documentation" : "\n<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "\n<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>\n@return Specifies the daily snapshot options specified for the Elasticsearch domain.",
"getterModel" : {
    "returnType" : "SnapshotOptions",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Options",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
```

Specifies the daily snapshot options specified for the Elasticsearch domain.

```java
public void setOptions(SnapshotOptions options) {
    // Implementation
}
```

Specifies the status of a daily automated snapshot.

```java
public OptionStatus getStatus() {
    // Implementation
}
```

```java
public void setStatus(OptionStatus status) {
    // Implementation
}
```

This is a convenience that creates an instance of the `OptionStatus` avoiding the need to create one manually.

```java
public OptionStatus status(OptionStatus status) {
    // Implementation
}
```
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@returns Specifies the status of a daily automated snapshot.",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@param status Specifies the status of a daily automated snapshot.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus"
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "SnapshotOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "SnapshotOptionsStatus",
"variableName" : "snapshotOptionsStatus",
"variableType" : "SnapshotOptionsStatus",
"documentation" : null,
"simpleType" : "SnapshotOptionsStatus",
"variableSetterType" : "SnapshotOptionsStatus"
},
"wrapper" : false
},
"StartElasticsearchServiceSoftwareUpdateRequest" : {
"c2jName" : "StartElasticsearchServiceSoftwareUpdateRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the
<code><a>StartElasticsearchServiceSoftwareUpdate</a></code> operation. Specifies the name of the Elasticsearch
domain that you wish to schedule a service software update on.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "The name of the domain that you want to update to the latest service software.
@param domainName The name of the domain that you want to update to the latest service software.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the domain that you want to update to the latest service software.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
}]
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "setterDocumentation" : "The name of the domain that you want to update to the latest service software.
@param domainName The name of the domain that you want to update to the latest service software.",
    "setterMethodName" : "setDomainName",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "domainName",
      "variableType" : "String",
      "documentation" : null,
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "domainName",
      "variableType" : "String",
      "documentation" : "The name of the domain that you want to update to the latest service software.
The name of the domain that you want to update to the latest service software.",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlnsNameSpaceUri" : null
  }
}
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.\nThis is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #domainName(String)].\n@param domainName a consumer that will call methods on [ @link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.\nThis is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #domainName(String)].\n@param domainName a consumer that will call methods on [ @link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.\n@param domainName The name of the domain that you want to update to the latest service software.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"getterDocumentation" : "The name of the domain that you want to update to the latest service software.\n@return The name of the domain that you want to update to the latest service software.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@param domainName The name of the domain that you want to update to the latest service software.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of the domain that you want to update to the latest service software.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, (@link String.Builder#build()) is called immediately and its result is passed to (@link #domainName(String)).
@see #domainName(String)"
},
"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to update to the latest service software.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@param domainName The name of the domain that you want to update to the latest service software.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@return The name of the domain that you want to update to the latest service software.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@param domainName The name of the domain that you want to update to the latest service software.",
"setterMethodname" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the domain that you want to update to the latest service software.\n",  
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainName" ],
"shapeName" : "StartElasticsearchServiceSoftwareUpdateRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "variableName" : "startElasticsearchServiceSoftwareUpdateRequest",
  "variableType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "documentation" : null,
  "simpleType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "variableSetterType" : "StartElasticsearchServiceSoftwareUpdateRequest"
},
"wrapper" : false,
"StartElasticsearchServiceSoftwareUpdateResponse" : {
  "c2jName" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation.\nContains the status of the update.\n",  
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
  This is a convenience that creates an instance of the {@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via {@link ServiceSoftwareOptions.Builder#builder()}. When the { @link Consumer} completes, { @link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to { @link #serviceSoftwareOptions(ServiceSoftwareOptions)}. @param serviceSoftwareOptions a consumer that will call methods on { @link ServiceSoftwareOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #serviceSoftwareOptions(ServiceSoftwareOptions)"
,
  "deprecated" : false,
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "serviceSoftwareOptions",
  "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>\n  The current status of the Elasticsearch service software update.\n@return Returns a reference to this object so that method calls can be chained together."
,
  "getterDocumentation" : "<p>The current status of the Elasticsearch service software update.\n  The current status of the Elasticsearch service software update.\n@return Returns a reference to this object so that method calls can be chained together."
,
  "getterModel" : {
    "returnType" : "ServiceSoftwareOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ServiceSoftwareOptions",
    "queryString" : false,
The current status of the Elasticsearch service software update.

```java

@nullable

public void serviceSoftwareOptions(ServiceSoftwareOptions serviceSoftwareOptions) {...
```

This is a convenience that creates an instance of the `ServiceSoftwareOptions.Builder` avoiding the need to create one manually via `{@link ServiceSoftwareOptions.Builder}.

When the `{@link ServiceSoftwareOptions.Builder} completes, `{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to `{@link ServiceSoftwareOptions}.

The current status of the Elasticsearch service software update.

```java

@nullable

public void serviceSoftwareOptions(ServiceSoftwareOptions serviceSoftwareOptions) {...
```

This is a convenience that creates an instance of the `ServiceSoftwareOptions.Builder` avoiding the need to create one manually via `{@link ServiceSoftwareOptions.Builder}.

When the `{@link ServiceSoftwareOptions.Builder} completes, `{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to `{@link ServiceSoftwareOptions}.

The current status of the Elasticsearch service software update.

```java

@nullable

public void serviceSoftwareOptions(ServiceSoftwareOptions serviceSoftwareOptions) {...
```

This is a convenience that creates an instance of the `ServiceSoftwareOptions.Builder` avoiding the need to create one manually via `{@link ServiceSoftwareOptions.Builder}.

When the `{@link ServiceSoftwareOptions.Builder} completes, `{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to `{@link ServiceSoftwareOptions}.

The current status of the Elasticsearch service software update.

```java

@nullable

public void serviceSoftwareOptions(ServiceSoftwareOptions serviceSoftwareOptions) {...
```

This is a convenience that creates an instance of the `ServiceSoftwareOptions.Builder` avoiding the need to create one manually via `{@link ServiceSoftwareOptions.Builder}.

When the `{@link ServiceSoftwareOptions.Builder} completes, `{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to `{@link ServiceSoftwareOptions}.

The current status of the Elasticsearch service software update.

```java

@nullable

public void serviceSoftwareOptions(ServiceSoftwareOptions serviceSoftwareOptions) {...
```

This is a convenience that creates an instance of the `ServiceSoftwareOptions.Builder` avoiding the need to create one manually via `{@link ServiceSoftwareOptions.Builder}.

When the `{@link ServiceSoftwareOptions.Builder} completes, `{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to `{@link ServiceSoftwareOptions}.

The current status of the Elasticsearch service software update.

```java

@nullable

public void serviceSoftwareOptions(ServiceSoftwareOptions serviceSoftwareOptions) {...
```
consumer that will call methods on {@link ServiceSoftwareOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #serviceSoftwareOptions(ServiceSoftwareOptions)".
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param
"getterModel" : {
"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>@param
serviceSoftwareOptions The current status of the Elasticsearch service software update.

"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
    "variableDeclarationType" : "ServiceSoftwareOptions",
    "variableName" : "serviceSoftwareOptions",
    "variableType" : "ServiceSoftwareOptions",
    "documentation" : null,
    "simpleType" : "ServiceSoftwareOptions",
    "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ServiceSoftwareOptions",
    "variableName" : "serviceSoftwareOptions",
    "variableType" : "ServiceSoftwareOptions",
    "documentation" : "The current status of the Elasticsearch service software update.",
    "simpleType" : "ServiceSoftwareOptions",
    "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
}
The current status of the Elasticsearch service software update.

```
"getterModel" : {
  "returnType" : "ServiceSoftwareOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ServiceSoftwareOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ServiceSoftwareOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "The current status of the Elasticsearch service software update.

```

```
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
```
"variableType" : "ServiceSoftwareOptions",
"documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
"simpleType" : "ServiceSoftwareOptions",
"variableSetterType" : "ServiceSoftwareOptions"
],
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "StartElasticsearchServiceSoftwareUpdateResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateResponse",
"variableName" : "startElasticsearchServiceSoftwareUpdateResponse",
"variableType" : "StartElasticsearchServiceSoftwareUpdateResponse",
"documentation" : null,
"simpleType" : "StartElasticsearchServiceSoftwareUpdateResponse",
"variableSetterType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"wrapper" : false
},
"StorageType" : {
"c2jName" : "StorageType",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>StorageTypes represents the list of storage related types and their attributes that are available for given InstanceType. </p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getStorageTypeName",
  "beanStyleSetterMethodName" : "setStorageTypeName",
  "c2jName" : "StorageTypeName",
  "c2jShape" : "StorageTypeName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link
String.Builder#build()]) is called immediately and its result is passed to [@link
#storageTypeName(String)].\n@param storageTypeName a consumer that will call methods on [@link
String.Builder]\n@return Returns a reference to this object so that method calls can be chained together:\n@see #storageTypeName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n@param storageTypeName The new value for the StorageTypeName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "storageTypeName",
  "getterDocumentation" : "Returns the value of the StorageTypeName property for this object.\n@return The value of the StorageTypeName property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "StorageTypeName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "StorageTypeName",
    "uri" : false
  }
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.

@param storageTypeName The new value for the StorageTypeName property for this object.

@throws 

@see StorageTypeName

setStorageTypeName

setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getStorageSubTypeName",
  "beanStyleSetterMethodName" : "setStorageSubTypeName",
  "c2jName" : "StorageSubTypeName",
  "c2jShape" : "StorageSubTypeName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String.Builder#storageSubTypeName(String)]

@param storageSubTypeName a consumer that will call methods on [String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see StorageSubTypeName

deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageSubTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param storageSubTypeName The new value for the StorageSubTypeName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "storageSubTypeName",
"getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.

@return The value of the StorageSubTypeName property for this object.",
"getModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "StorageSubTypeName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "StorageSubTypeName",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param storageSubTypeName The new value for the StorageSubTypeName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "storageSubTypeName"}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getStorageTypeLimits",
  "beanStyleSetterMethodName" : "setStorageTypeLimits",
  "c2jName" : "StorageTypeLimits",
  "c2jShape" : "StorageTypeLimitList",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;List of limits that are applicable for given storage type. This is a convenience that creates an instance of the {@link List&lt;StorageTypeLimit>.Builder} avoiding the need to create one manually via {@link List&lt;StorageTypeLimit>#builder()}.&lt;/p&gt;When the {@link Consumer} completes, {@link List&lt;StorageTypeLimit>.Builder#build()} is called immediately and its result is passed to {@link #storageTypeLimits(List&lt;StorageTypeLimit&gt;)}.

@param storageTypeLimits a consumer that will call methods on {@link List&lt;StorageTypeLimit>.Builder}.
@return Returns a reference to this object so that method calls can be chained together.&lt;param type="storageTypeLimits"&gt;List of limits that are applicable for given storage type.&lt;/param&gt;&lt;/p&gt;&lt;p&gt;&lt;param type="storageTypeLimits"&gt;List of limits that are applicable for given storage type.&lt;/param&gt;&lt;/p&gt;"
, "deprecated" : false,
"documentation" : "&lt;p&gt;List of limits that are applicable for given storage type. &lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeLimits",
"fluentSetterDocumentation" : "&lt;p&gt;List of limits that are applicable for given storage type. &lt;/p&gt;&lt;p&gt;&lt;param type="storageTypeLimits"&gt;List of limits that are applicable for given storage type.&lt;/param&gt;&lt;/p&gt;&lt;p&gt;&lt;param type="storageTypeLimits"&gt;List of limits that are applicable for given storage type.&lt;/param&gt;&lt;/p&gt;"
, "fluentSetterMethodName" : "storageTypeLimits",
"getterDocumentation" : "&lt;p&gt;List of limits that are applicable for given storage type. &lt;/p&gt;&lt;p&gt;&lt;param type="storageTypeLimits"&gt;List of limits that are applicable for given storage type.&lt;/param&gt;&lt;/p&gt;&lt;p&gt;&lt;param type="storageTypeLimits"&gt;List of limits that are applicable for given storage type.&lt;/param&gt;&lt;/p&gt;"
, "getterModel" : {
  "returnType" : "java.util.List&lt;StorageTypeLimit&gt;",
  "documentation" : null
  
},
"endpointDiscoveryId" : false,
"enumType" : null,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "StorageTypeLimits",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "StorageTypeLimits",
  "uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "StorageTypeLimit",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [\@link StorageTypeLimit.Builder] avoiding the need to create one manually via {\@link StorageTypeLimit#builder()} \n When the {\@link Consumer} completes, {\@link StorageTypeLimit.Builder#build()} is called immediately and its result is passed to {\@link #member(StorageTypeLimit)} \n @param member a consumer that will call methods on {\@link StorageTypeLimit.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(StorageTypeLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "getMember",
  "fluentEnumSetterMethodName": "setMember",
  "c2jName": "member",
  "c2jShape": "StorageTypeLimit",
  "fluentGetterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
}
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",

"getterModel" : {
    "returnType" : "StorageTypeLimit",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",

"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "StorageTypeLimit",
    "variableName" : "member",
    "variableType" : "StorageTypeLimit",
    "documentation" : null,
    "simpleType" : "StorageTypeLimit",
    "variableSetterType" : "StorageTypeLimit"
},

"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "StorageTypeLimit",
    "variableName" : "member"
"variableType" : "StorageTypeLimit",
"documentation" : "",
"simpleType" : "StorageTypeLimit",
"variableSetterType" : "StorageTypeLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "StorageTypeLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageTypeLimit",
"templateImplType" : "java.util.ArrayList<StorageTypeLimit>",
"templateType" : "java.util.List<StorageTypeLimit>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypeLimits",
"sensitive" : false,
"setterDocumentation" : "List of limits that are applicable for given storage type. \n\n@param storageTypeLimits List of limits that are applicable for given storage type."
,"setterMethodName" : "setStorageTypeLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
  "variableName" : "storageTypeLimits",
  "variableType" : "java.util.List<StorageTypeLimit>",
  "documentation" : null,
  "simpleType" : "List<StorageTypeLimit>",
  "variableSetterType" : "java.util.Collection<StorageTypeLimit>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
  "variableName" : "storageTypeLimits",
  "variableType" : "java.util.List<StorageTypeLimit>",
  "documentation" : "List of limits that are applicable for given storage type. \n\n" simpleType" : "List<StorageTypeLimit>",
  "variableSetterType" : "java.util.Collection<StorageTypeLimit>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "StorageSubTypeName" : {
    "beanStyleGetterMethodName" : "getStorageSubTypeName",
  }
}}
"beanStyleSetterMethodName" : "setStorageSubTypeName",
"c2jName" : "StorageSubTypeName",
"c2jShape" : "StorageSubTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link
String.Builder#build()] is called immediately and its result is passed to [@link
#storageSubTypeName(String)].\n@param storageSubTypeName a consumer that will call methods on [@link
String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see
#storageSubTypeName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageSubTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this
object.\n@param storageSubTypeName The new value for the StorageSubTypeName property for this
object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "storageSubTypeName",
"getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.\n@return The value of the StorageSubTypeName property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageSubTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageSubTypeName",
"uri" : false
},
 idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.  

@param storageSubTypeName The new value for the StorageSubTypeName property for this object."

"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}

"StorageTypeLimits" : {
  "beanStyleGetterMethodName" : "getStorageTypeLimits",
  "beanStyleSetterMethodName" : "setStorageTypeLimits",
  "c2jName" : "StorageTypeLimits",
  "c2jShape" : "StorageTypeLimitList",
  "defaultConsumerFluentSetterDocumentation" : "List of limits that are applicable for given storage type. 

This is a convenience that creates an instance of the (@link StorageTypeLimit.Builder) avoiding the need to create one manually via (@link StorageTypeLimit.Builder#builder()). When the (@link Consumer) completes, (@link StorageTypeLimit.Builder#build()) is called immediately and its result is passed to (@link StorageTypeLimits(List<StorageTypeLimit>)).

@see StorageTypeLimits(List<StorageTypeLimit>)"
  "deprecated" : false,
  "documentation" : "List of limits that are applicable for given storage type. "
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeLimits",
"fluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
@param storageTypeLimits List of limits that are applicable for given storage type.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "storageTypeLimits",
"getterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. </p>
@return List of limits that are applicable for given storage type."
"getterModel" : {

"returnType" : "java.util.List<StorageTypeLimit>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {

"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {

"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "StorageTypeLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the StorageTypeLimit.Builder avoiding the need to create one manually via StorageTypeLimit.Builder().

When the Consumer completes, StorageTypeLimit.Builder#build() is called immediately and its result is passed to member(StorageTypeLimit).

@param member a consumer that will call methods on StorageTypeLimit.Builder
@return Returns a reference to this object so that method calls can be chained
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method
calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "StorageTypeLimit",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method
calls can be chained together.",
"setterModel" : {
  "returnType" : "StorageTypeLimit",
  "documentation" : null
},
"uri" : "@see #member(StorageTypeLimit)"
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<StorageTypeLimit>",
  "variableName": "storageTypeLimits",
  "variableType": "java.util.List<StorageTypeLimit>",
  "documentation": "<p>List of limits that are applicable for given storage type. </p>",
  "simpleType": "List<StorageTypeLimit>",
  "variableSetterType": "java.util.Collection<StorageTypeLimit>"
},
"xmlNameSpaceUri": null
},
"StorageTypeName": {
  "beanStyleGetterMethodName": "getStorageTypeName",
  "beanStyleSetterMethodName": "setStorageTypeName",
  "c2jName": "StorageTypeName",
  "c2jShape": "StorageTypeName",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the StorageTypeName property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #storageTypeName(String)\n\n@see #storageTypeName(String)],
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "storageTypeName",
  "fluentSetterDocumentation": "Sets the value of the StorageTypeName property for this object.\n\nThe new value for the StorageTypeName property for this object.\n\n@see #storageTypeName(String)\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "storageTypeName",
  "getterDocumentation": "Returns the value of the StorageTypeName property for this object."
},
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n\n@param storageTypeName The new value for the StorageTypeName property for this object."
"setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getStorageTypeName",
  "beanStyleSetterMethodName" : "setStorageTypeName",
  "c2jName" : "StorageTypeName",
  "nonStreaming" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageTypeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypeName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n\n@param storageTypeName The new value for the StorageTypeName property for this object."
"setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}];
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #storageTypeName(String)}.\n@param storageTypeName a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #storageTypeName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n@param storageTypeName The new value for the StorageTypeName property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "storageTypeName",
"getterDocumentation" : "Returns the value of the StorageTypeName property for this object.\n@return The value of the StorageTypeName property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.

@param
storageTypeName The new value for the StorageTypeName property for this object.",
"setterMethodName" : "setStorageTypeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getStorageSubTypeName",
"beanStyleSetterMethodName" : "setStorageSubTypeName",
"c2jName" : "StorageSubTypeName",
"c2jShape" : "StorageSubTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.

When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #storageSubTypeName(String) }.

@see
#storageSubTypeName(String)",
"deprecated" : false,
"documentation" : 
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageSubTypeName"
"fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param
storageSubTypeName The new value for the StorageSubTypeName property for this object.
@return
Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "storageSubTypeName",
"getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.

@return
The value of the StorageSubTypeName property for this object.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageSubTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageSubTypeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.

@param
storageSubTypeName The new value for the StorageSubTypeName property for this object.
",
"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "storageSubTypeName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getStorageTypeLimits",
"beanStyleSetterMethodName" : "setStorageTypeLimits",
"c2jName" : "StorageTypeLimits",
"c2jShape" : "StorageTypeLimitList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
This is a convenience that creates an instance of the [@link List<StorageTypeLimit>.Builder] avoiding the need to create one manually via [@link List<StorageTypeLimit>#builder()].

When the [@link Consumer] completes, [@link List<StorageTypeLimit>.Builder#build()] is called immediately and its result is passed to [@link #storageTypeLimits(List<StorageTypeLimit>)].

@see #storageTypeLimits(List<StorageTypeLimit>)",
"deprecated" : false,
"documentation" : "<p>List of limits that are applicable for given storage type. </p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of limits that are applicable for given storage type.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeLimits",
"fluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
@param storageTypeLimits List of limits that are applicable for given storage type.
@return Returns a reference to this object so that method calls can be chained together.
@see #storageTypeLimits(List<StorageTypeLimit>)",
"fluentSetterMethodName" : "storageTypeLimits",
"getterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of limits that are applicable for given storage type.",
"getterModel" : {
  "returnType" : "java.util.List<StorageTypeLimit>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "StorageTypeLimit",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [StorageTypeLimit.Builder] avoiding the need to create one manually via [StorageTypeLimit.Builder(). When the Consumer completes, [StorageTypeLimit.Builder#build()] is called immediately and its result is passed to [StorageTypeLimit.Builder] parameter a consumer that will call methods on [StorageTypeLimit.Builder].\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(StorageTypeLimit)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(StorageTypeLimit)",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@see #member(StorageTypeLimit)",
  "getterModel" : {
    "returnType" : "StorageTypeLimit",
    "documentation" : null
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "StorageTypeLimit",
    "variableName" : "member",
    "variableType" : "StorageTypeLimit",
    "documentation" : null,
    "simpleType" : "StorageTypeLimit",
    "variableSetterType" : "StorageTypeLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "StorageTypeLimit",
    "variableName" : "member",
    "variableType" : "StorageTypeLimit",
    "documentation" : "",
    "simpleType" : "StorageTypeLimit",
    "variableSetterType" : "StorageTypeLimit"
},
"xmlNameSpaceUri" : null
"memberLocationName" : null,
"memberType" : "StorageTypeLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageTypeLimit",
"templateImplType" : "java.util.ArrayList<StorageTypeLimit>",
"templateType" : "java.util.List<StorageTypeLimit>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypeLimits",
"sensitive" : false,
"setterDocumentation" : "<p>List of limits that are applicable for given storage type. </p>
@param storageTypeLimits List of limits that are applicable for given storage type.",
"setterMethodName" : "setStorageTypeLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
  "variableName" : "storageTypeLimits",
  "variableType" : "java.util.List<StorageTypeLimit>",
  "documentation" : null,
  "simpleType" : "List<StorageTypeLimit>",
  "variableSetterType" : "java.util.Collection<StorageTypeLimit>"},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
  "variableName" : "storageTypeLimits",
  "variableType" : "java.util.List<StorageTypeLimit>",
  "documentation" : "<p>List of limits that are applicable for given storage type. </p>",
  "simpleType" : "List<StorageTypeLimit>",
  "variableSetterType" : "java.util.Collection<StorageTypeLimit>"
},
"xmlNameSpaceUri" : null
}].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "StorageType",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}.}
"variable": {
  "variableDeclarationType": "StorageType",
  "variableName": "storageType",
  "variableType": "StorageType",
  "documentation": null,
  "simpleType": "StorageType",
  "variableSetterType": "StorageType"
},
"wrapper": false
},
"StorageTypeLimit": {
  "c2jName": "StorageTypeLimit",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Limits that are applicable for given storage type. </p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    {
      "beanStyleGetterMethodName": "getLimitName",
      "beanStyleSetterMethodName": "setLimitName",
      "c2jName": "LimitName",
      "c2jShape": "LimitName",
      "defaultConsumerFluentSetterDocumentation": "<p>Name of storage limits that are applicable for given storage type. If <code>&lt;a&gt;StorageType&lt;/a&gt;</code> is ebs, following storage options are applicable &lt;ol&gt;&lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt; &lt;/p&gt;&lt;ul&gt;This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#Builder}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #limitName(String)}.\n\n@param limitName a consumer that will call
methods on [ @link String.Builder]@return Returns a reference to this object so that method calls can be chained
together.@see #limitName(String)"
, "deprecated" : false,
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
<a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be
empty if it is not applicable. 
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol> </p>
@param limitName Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol> 
@return Returns a reference to this object so that method calls can be chained together."}
"setterDocumentation": "Name of storage limits that are applicable for given storage type. If <code>
<a>StorageType</a></code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type.
It can be empty if it is not applicable.
<li>MaximumVolumeSize</li>
Maximum amount of volume size that is applicable for given storage type.
It can be empty if it is not applicable.
<li>MinimumIops</li>
Minimum amount of Iops that is applicable for given storage type.
It can be empty if it is not applicable.
<li>MaximumIops</li>
Maximum amount of Iops that is applicable for given storage type.
It can be empty if it is not applicable.
</ol>

"setterMethodName": "setLimitName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "limitName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String"}
"variableSetterType" : "String",
],
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
StorageType</code> is ebs, following storage options are applicable <ol>
  <li>MinimumVolumeSize</li>
  Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
</ol> </p>
",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
  "beanStyleGetterMethodName" : "getLimitValues",
  "beanStyleSetterMethodName" : "setLimitValues",
  "c2jName" : "LimitValues",
  "c2jShape" : "LimitValueList",
  "defaultConsumerFluentSetterDocumentation" : "<p> Values for the <code> StorageTypeLimit$LimitName </code>. 
This is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to create one manually via [@link List<String>#builder()]. 
When the [@link Consumer] completes, [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link List<String>.Builder#build()] is called immediately and its result is passed to
@param limitValues a consumer that will call methods on [@link List<String>.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #limitValues(List<String>)",
  "deprecated" : false,
  "documentation" : "<p> Values for the <code> StorageTypeLimit$LimitName </code>. 
@end p",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "limitValues",
  "fluentSetterDocumentation" : "<p> Values for the <code> StorageTypeLimit$LimitName </code>. 
@end p
@param limitValues Values for the <code> StorageTypeLimit$LimitName </code>. 
@return Returns a reference to this object so that method calls can be chained together.
@end p
@see #limitValues(List<String>)",
  "fluentSetterMethodName" : "limitValues",
  "getterDocumentation" : "<p> Values for the <code> StorageTypeLimit$LimitName </code>. 
@end p
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@end p
@return Values for the <code> StorageTypeLimit$LimitName </code>. 
@end p"}
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}.\n
@param member a consumer that will call methods on \{ @link String.Builder \}\n
@return Returns a reference to this object so that method calls can be chained together.\n
@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member
The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
\n@returns The value of the Member property for this object.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
\n@params member The new value for the Member property for this object.
",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>
",
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "LimitValues",
"sensitive": false,
"setterDocumentation": "\n\n@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
\n</p>ln\n\n@<p昳 limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .",
"setterMethodName": "setLimitValues",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "limitValues",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>
",
  "simple": false,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "java.util.List<String>",
    "variableName": "limitValues",
    "variableType": "java.util.List<String>",
    "documentation": "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> . </p>",
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>
",
    "xmlNameSpaceUri": null
  }
}]}
"membersAsMap": {
  "LimitName": {
    "beanStyleGetterMethodName": "getLimitName",
    "beanStyleSetterMethodName": "setLimitName",
    "c2jName": "LimitName",
    "c2jShape": "LimitName",
    "defaultConsumerFluentSetterDocumentation": "<p> Name of storage limits that are applicable for given storage type. If <code>&lt;a&gt;StorageType&lt;/a&gt;</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol> This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String.Builder#build()}.

When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #limitName(String)}. @param limitName a consumer that will call methods on {link String.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

"deprecated": false,
"documentation": "<p> Name of storage limits that are applicable for given storage type. If <code>&lt;a&gt;StorageType&lt;/a&gt;</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol> If <code>&lt;a&gt;StorageType&lt;/a&gt;</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol> Returns a reference to this object so that method calls can be chained together.
"}
"fluentSetterMethodName" : "LimitName",
"getterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol> <p>@return Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"sensitive" : false,
"setterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>",
empty if it is not applicable. 

- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

If the storage type is ebs, the following storage options are applicable:

- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

### `limitName` parameter

- **Name of storage limits that are applicable for given storage type.** If `StorageType` is ebs, the following storage options are applicable:

  - **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  - **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  - **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
  - **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

### `LimitValues` object

- **Setter Method Name**: `setLimitValues`
- **Bean Style Setter Method Name**: `setLimitValues`
- **C2J Name**: `LimitValues`
- **C2J Shape**: `LimitValueList`
- **Default Consumer Fluent Setter Documentation**: This is a convenience that creates an instance of the `LimitValues` class avoiding the need to create one manually via `List<String>.builder()`. When the `LimitValues` is called, it is immediately passed to the consumer as a `List<String>`. Returns a reference to this object so that method calls can be chained.
@see #limitValues(List<String>)

deprecated": false,
"documentation": "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code>. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "limitValues",
"fluentSetterDocumentation": "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code>. </p>"
@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code>. 
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "limitValues",
"getterDocumentation": "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code>. </p>
<p>
Attempts to modify the collection returned by this method will result in an 
UnsupportedOperationException. </p>
@return Values for the <code> <a>StorageTypeLimit$LimitName</a> </code>. 
"getterModel": {
 "returnType": "java.util.List<String>",
 "documentation": null
 },
"http": {
 "additionalMarshallingPath": null,
 "additionalUnmarshallingPath": null,
 "flattened": false,
 "greedy": false,
 "header": false,
 "isPayload": false,
 "isStreaming": false,
 "location": null,
 "marshallLocation": "PAYLOAD",
 "marshallLocationName": "LimitValues",
 "queryString": false,
 "statusCode": false,
 "unmarshallLocationName": "LimitValues",
 "uri": false
 },
 "idempotencyToken": false,
 "isBinary": false,
 "jsonValue": false,
 "list": true,
 "listModel": {
 "implType": "java.util.ArrayList",
 "interfaceType": "java.util.List",
 "listMemberModel": {
 "beanStyleGetterMethodName": "getMember",
 "beanStyleSetterMethodName": "setMember",
 ...
Sets the value of the Member property for this object. This is a convenience that creates an instance of the ([link String.Builder](#)) avoiding the need to create one manually via ([link String#builder](#)). When the ([link Consumer](#)) completes, ([link String.Builder#build](#)) is called immediately and its result is passed to ([link #member(String)](##member)).

@see #member(String)

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)

Returns the value of the Member property for this object.

@return The value of the Member property for this object.
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p>Values for the <code>&lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt;</code>. 

@param limitValues Values for the <code>&lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt;</code>. 

"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "List<String>
"}
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : "<p> Values for the <code><a>StorageTypeLimit$LimitName</a></code>. </p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getLimitName",
"beanStyleSetterMethodName" : "setLimitName",
"c2jName" : "LimitName",
"c2jShape" : "LimitName",
"defaultConsumerFluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. &lt;/ol&gt; &lt;/p&gt;&lt;/a&gt;&lt;/li&gt;&lt;/ol&gt;This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()]. &lt;param&gt;When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #limitName(String)]. &lt;/param&gt; limitName a consumer that will call methods on [ @link String.Builder]. &lt;param&gt;Returns a reference to this object so that method calls can be chained together.&lt;/param&gt; &lt;@see #limitName(String)&gt;",
"deprecated" : false,
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. &lt;/ol&gt; &lt;/p&gt;"
,"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "limitName",
"fluentSetterDocumentation": "<p> Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
</ol>
MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

@param limitName Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName": "limitName",
"getterDocumentation": "<p> Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

@return Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. 
<li>MaximumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LimitName",
  "queryString": false,
  "statusCode": false,
},
"unmarshallLocationName" : "LimitName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"sensitive" : false,
"setterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
<a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
</ol> </p>
@param limitName Name of storage limits that are applicable for given storage type. If <code>
<a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.</ol>
"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>
<a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
</ol> </p>
@param limitName Name of storage limits that are applicable for given storage type. If <code>
<a>StorageType</a></code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
given storage type. It can be empty if it is not applicable. </ol></p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getLimitValues",
"beanStyleSetterMethodName" : "setLimitValues",
"c2jName" : "LimitValues",
"c2jShape" : "LimitValueList",
"defaultConsumerFluentSetterDocumentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> . </p>

This is a convenience that creates an instance of the { @link List&lt;String&gt;.Builder} avoiding the need to create one manually via { @link List&lt;String&gt;#builder}().

When the { @link Consumer} completes, { @link List&lt;String&gt;.Builder#build}() is called immediately and its result is passed to { @link #limitValues(List&lt;String&gt;)}. @param limitValues a consumer that will call methods on { @link List&lt;String&gt;.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see #limitValues(List&lt;String&gt;)
",
"deprecated" : false,
"documentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> . </p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .

@throws NullPointerException

@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .

@link #limitValues(List&lt;String&gt;) @return Returns a reference to this object so that method calls can be chained together.

@see #limitValues(List&lt;String&gt;)
",
"getterModel" : {
"returnType" : "java.util.List&lt;String&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"simpleType" : "String",
"variableSetterType" : "String"
"marshallLocationName" : "LimitValues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitValues",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [member(String)].
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@see #member(String)",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
The value of the Member property for this object.
@see #member(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false,
"
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {

"simple" : true,
"timestampFormat" : null,

"variable" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"

"xmlNameSpaceUri" : null

"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p> Values for the <code>&lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt;</code>.

@<p>@param limitValues Values for the <code>&lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt;</code>.

setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p> Values for the <code>&lt;a&gt;StorageTypeLimit$LimitName&lt;/a&gt;</code>.

</p>@
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
} ]
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "StorageTypeLimit",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "StorageTypeLimit",
  "variableName" : "storageTypeLimit",
  "variableType" : "StorageTypeLimit",
  "documentation" : null,
"simpleType" : "StorageTypeLimit",
"variableSetterType" : "StorageTypeLimit"
},
"wrapper" : false
},
"Tag" : {
"c2jName" : "Tag",
"customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingUnmarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingMarshaller" : false,
    "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Specifies a key value pair for a resource tag.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshal" : false,
"members" : [
    {
        "beanStyleGetterMethodName" : "getKey",
        "beanStyleSetterMethodName" : "setKey",
        "c2jName" : "Key",
        "c2jShape" : "TagKey",
        "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via {String.Builder#build()}. When the {Consumer} completes, {String.Builder#build()} is called immediately and its result is passed to {String#builder()}. Returns a reference to this object so that method calls can be chained together. @see #key(String)]",
        "deprecated" : false,
        "documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "hasStatusCodeMember" : false,
        "hasStreamingMember" : false,
        "httpStatusCode" : null,
        "marshaller" : null,
        "marshal" : false,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p><p><code>@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</code></p><p><code>@return Returns a reference to this object so that method calls can be chained together.</code>.
"fluentSetterMethodName" : "key",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p><p><code>@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</code>,
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p><p><code>@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</code>,
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "Value",
"c2jShape" : "TagValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}. @param value a consumer that will call methods on {@link String.Builder}. @return Returns a reference to this object so that method calls can be chained together. @see #value(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>@param value Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>@return Returns a reference to this object so that method calls can be chained together.",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

```
@param value Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.
```

```
"setterMethodName" : "setValue",
"setterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

```
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "Key" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "Key",
    "c2jShape" : "TagKey",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.

@see #key(String)
@deprecated"
  "documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

@see #key(String)
@deprecated"
  "documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.

@see #key(String)
@endpointDiscoveryId" : false,
the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Key",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "\p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>\n@\param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.",

"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "<p>Specifies the &lt;code&gt;TagKey&lt;/code&gt;, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.&lt;/p&gt;",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Value" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "Value",
"c2jShape" : "TagValue",
"defaultValue" : false,
"documentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "TagValue",
"fluentSetterDocumentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"deprecated" : false,
"documentation" : "&lt;p&gt;Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"getterDocumentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"getterModel" : {
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "TagValue",
"fluentSetterDocumentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"deprecated" : false,
"documentation" : "&lt;p&gt;Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"getterDocumentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"getterModel" : {
"defaultValue" : false,
"documentation" : "<p>Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "TagValue",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",
"deprecated" : false,
"documentation" : "&lt;p&gt;Specifies the &lt;code&gt;TagValue&lt;/code&gt;, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of &lt;code&gt;project : Trinity&lt;/code&gt; and &lt;code&gt;cost-center : Trinity&lt;/code&gt;&lt;/p&gt;",}
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "Value",
"sensitive" : false,

"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>,

Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",

"variableName" : "value",
"variableType" : "String",
"documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "Key",
"c2jShape" : "TagKey",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}. When a consumer that will call methods on { @link String.Builder} returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@see #key(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Key",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Key",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"setterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p><p>@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.\n</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via [ @link String#builder()].\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #value(String)].\n\n@param value a consumer that will call methods on [ @link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(String)",
"deprecated": false,
"documentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.\n</p>
endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterMethodName": "value",
"fluentSetterDocumentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.\n</p>
http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.</p>
@param value Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Key", "Value" ],
"shapeName" : "Tag",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "tag",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"wrapper" : false
},
"UpdateElasticsearchDomainConfigRequest" : {
  "c2jName" : "UpdateElasticsearchDomainConfigRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Container for the parameters to the <code><a>UpdateElasticsearchDomain</a></code> operation. Specifies the type and number of instances in the domain cluster.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "UpdateElasticsearchDomainConfig",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/domain/{DomainName}/config",
    "target" : null,
"verb" : "POST",
"xmlnsNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
This is a convenience that creates an instance of the \[\text{@link String.Builder}\] avoiding the need to create one manually via \[\text{@link String#builder()}\]. When the \[\text{@link Consumer}\] completes, \[\text{@link String.Builder#build()}\] is called immediately and its result is passed to \[\text{@link #domainName(String)}\].

@param domainName a consumer that will call methods on \[\text{@link String.Builder}\].
@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.</p>
@param domainName The name of the Elasticsearch domain that you are updating.
@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)",
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@return The name of the Elasticsearch domain that you are updating.

@see #domainName(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "uri",
    "marshallLocation" : "PATH",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : true
  }
}
The name of the Elasticsearch domain that you are updating. 

### setterDocumentation

- **setterMethodName**: `setDomainName`
- **setterModel**: 
  - `variableDeclarationType`: `String`
  - `variableName`: `domainName`
  - `variableType`: `String`
  - `documentation`: 
    - `<p>The name of the Elasticsearch domain that you are updating. </p>`
  - `simpleType`: `String`
  - `variableSetterType`: `String`
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchClusterConfig",
"fluentSetterDocumentation": "<p>The type and number of instances to instantiate for the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "elasticsearchClusterConfig",
"getterDocumentation": "<p>The type and number of instances to instantiate for the domain cluster.
</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.
@return The type and number of instances to instantiate for the domain cluster.
",
"getterModel": {
  "returnType": "ElasticsearchClusterConfig",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchClusterConfig",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchClusterConfig",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ElasticsearchClusterConfig",
"setterDocumentation": "<p>The type and number of instances to instantiate for the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster."
,"setterMethodName": "setElasticsearchClusterConfig",
"setterModel": {

"variableDeclarationType": "ElasticsearchClusterConfig",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfig",
"documentation": null,
"simpleType": "ElasticsearchClusterConfig",
"variableSetterType": "ElasticsearchClusterConfig"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "ElasticsearchClusterConfig",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfig",
"documentation": "<p>The type and number of instances to instantiate for the domain cluster.</p>",
"simpleType": "ElasticsearchClusterConfig",
"variableSetterType": "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getEbsOptions",
"beanStyleSetterMethodName": "setEbsOptions",
"c2jName": "EBSOptions",
"c2jShape": "EBSOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Specify the type and size of the EBS volume that you want to use. This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions.Builder#builder()]. When the [@link Consumer] completes, [@link EBSOptions.Builder#build()] is called immediately and its result is passed to [@link EBSOptions#ebsOptions(EBSOptions)].

@see #ebsOptions(EBSOptions)"
,"deprecated": false,
"documentation": "<p>Specify the type and size of the EBS volume that you want to use. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "ebsOptions",
"fluentSetterDocumentation": "<p>Specify the type and size of the EBS volume that you want to use.</p>
@see #ebsOptions(EBSOptions)"
,"returnType": "EBSOptions",
"getterDocumentation": "<p>Specify the type and size of the EBS volume that you want to use.</p>"
,"returnType": "EBSOptions",
"documentation": null

Specify the type and size of the EBS volume that you want to use.

@<param
ebsOptions Specify the type and size of the EBS volume that you want to use.>

setterMethodName” : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use.</p>",
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
}
"xmlNameSpaceUri" : null,
}
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultValueFluentSetterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}. When the {@link Consumer} completes, a consumer that will call methods on a builder is immediately and its result is passed to a builder. <p>When the consumer completes, the builder is called immediately and its result is passed to <code>snapshotOptions(SnapshotOptions)</code>.<p>@param snapshotOptions a consumer that will call methods on the builder.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see #snapshotOptions(SnapshotOptions)",
"deprecated" : false,
"documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
"getterModel" : {
  "returnType" : "SnapshotOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 

\n@\param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.,",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 

\n@\param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.,",
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>. This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {
}
VPCOptions#builder().

When the{@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to{@link vpcOptions(VPCOptions)}.

@returns a reference to this object so that method calls can be chained together.

Options to specify the subnets and security groups for VPC endpoint. For more information, see `<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc">Creating a VPC</a>` in `<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>`.

"documentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see `<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc">Creating a VPC</a>` in `<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>";

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see `<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc">Creating a VPC</a>` in `<i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>";

"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"sensitive" : false,
"setterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana. This is a convenience that creates an instance of the CognitoOptions.Builder avoiding the need to create one manually via CognitoOptions.Builder(). When the Consumer completes, CognitoOptions.Builder.build() is called immediately and its result is passed to CognitoOptions(CognitoOptions). Returns a reference to this object so that method calls can be chained together. See CognitoOptions(CognitoOptions).

Deprecated: false,

Documentation: "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana.</p>

@see #cognitoOptions(CognitoOptions)"

GetterDocumentation: "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana.</p>

@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see Amazon Cognito Authentication for Kibana.

GETTER MODEL: {
    "returnType": "CognitoOptions",
    "documentation": null
}

HTTP: {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null
}
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions"
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>\n\nThis is a convenience that creates an instance of the \n[@link Map<String,String>\n.Builder] avoiding the need to create one manually via \n[@link Map<String,String>#builder()]. When the \n[@link Map<String,String>.Builder#build()] is called immediately and its result is passed to \n[@link Map<String,String>\n.Consumer\n.advancedOptions] a consumer that will call methods on \n[@link Map<String,String>.Builder]\n@return Returns a reference to this object so that method calls can be chained together.
\n@return Returns a reference to this object so that method calls can be chained together.
\n@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>\n\n@endparam \n\nadvancedOptions a consumer that will call methods on \n\n@link Map<String,String>.Builder\n@return Returns a reference to this object so that method calls can be chained together.
\n@see #advancedOptions(Map<String,String>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>\n\n@endparam \n\nadvancedOptions a consumer that will call methods on \n\n@link Map<String,String>.Builder\n@return Returns a reference to this object so that method calls can be chained together.
\n@see #advancedOptions(Map<String,String>)",
"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@see #key(String)"
,"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@\param key The new value for the Key property for this object.
@\return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@\return The value of the Key property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.

@\param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "String",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #value(String)."
  @param value a consumer that will call methods on @link String.Builder
  @return Returns a reference to this object so that method calls can be chained together.
  @see #value(String)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
"setterDocumentation" : "&lt;p&gt;Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-cre..." target="_blank"&gt;Configuration Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;&lt;p&gt;In @param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;.&lt;/p&gt;&lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-cre...configure-advanced-options" target="_blank"&gt;Configuration Advanced Options&lt;/a&gt; for more information.",

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map&lt;String,String&gt;",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map&lt;String,String&gt;",
  "documentation" : null,
  "simpleType" : "Map&lt;String,String&gt;",
  "variableSetterType" : "java.util.Map&lt;String,String&gt;"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map&lt;String,String&gt;",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map&lt;String,String&gt;",
  "documentation" : "&lt;p&gt;Modifies the advanced option to allow references to indices in an HTTP request body. Must be &lt;code&gt;false&lt;/code&gt; when configuring access to individual sub-resources. By default, the value is &lt;code&gt;true&lt;/code&gt;.&lt;/p&gt;&lt;p&gt;See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-cre...configure-advanced-options" target="_blank"&gt;Configuration Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;",
  "simpleType" : "Map&lt;String,String&gt;",
  "variableSetterType" : "java.util.Map&lt;String,String&gt;"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;IAM access policy as a JSON-formatted string.&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.&lt;/p&gt;&lt;p&gt;When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #accessPolicies(String)}&lt;p&gt;.&lt;/p&gt;&lt;p&gt;In @param accessPolicies a consumer that will call methods on {@link String.Builder#build()} returns Returns a reference to this object so that method calls can be chained together.&lt;/p&gt;@see #accessPolicies(String)",
"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

This is a convenience that creates an instance of the { @link Map/String/LogPublishingOption}.Builder avoiding the need to create one manually via { @link Map/String/LogPublishingOption#builder()}. When the { @link Consumer} completes, { @link Map/String/LogPublishingOption}.Builder#build() is called immediately and its result is passed to { @link Map/String/LogPublishingOptionAsStrings(Map/String/LogPublishingOption)}. Returns a reference to this object so that method calls can be chained together. @see #logPublishingOptionsWithStrings(Map/String/LogPublishingOption>)",
"deprecated" : false,
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

@link logPublishingOptionsWithStrings(Map/String/LogPublishingOption>)
@see #logPublishingOptionsWithStrings(Map/String/LogPublishingOption>)",
"getterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>

@link logPublishingOptionsWithStrings(Map/String/LogPublishingOption>)
@see #logPublishingOptionsWithStrings(Map/String/LogPublishingOption>)

};
containing options to publish a given type of Elasticsearch log.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

"getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LogPublishingOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LogPublishingOptions",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
    "implType" : "java.util.HashMap",
    "interfaceType" : "java.util.Map",
    "keyLocationName" : "key",
    "keyModel" : {
        "beanStyleGetterMethodName" : "getKeyAsString",
        "beanStyleSetterMethodName" : "setKey",
        "c2jName" : "key",
        "c2jShape" : "LogType",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object."
    },
    "keyCreator" : null,
    "listCreator" : null,
    "mapCreator" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LogPublishingOptions",
    "renameLocation" : null,
    "renameLocationName" : null,
    "unmarshallLocationName" : "LogPublishingOptions",
    "javaType" : "java.util.Map<String,LogPublishingOption>"
},
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType
@return Returns a reference to this object so that method calls can be chained together

@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.
If the service returns an enum value that is not available in the current SDK version, { @link #key } will return { @link LogType#UNKNOWN_TO_SDK_VERSION }. The raw value returned by the service is available from { @link #keyAsString }.

@return The value of the Key property for this object.
@see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType
@return Returns a reference to this object so that method calls can be chained together

@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the { @link LogPublishingOption.Builder } avoiding the need to create one manually via { @link LogPublishingOption.Builder#builder() }. When the { @link Consumer } completes, { @link LogPublishingOption.Builder#build() } is called immediately and its result is passed to { @link #value(LogPublishingOption) }.

@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

The new value for the Value property for this object.

@see Returns a reference to this object so that method calls can be chained together.

@see #value(LogPublishingOption)",
"getterModel" : {
"getterDocumentation" : "Returns the value of the Value property for this object.

The Value property for this object.
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."
,"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : "",
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"}
"variableSetterType" : "LogPublishingOption",
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null]
},
"membersAsMap" : {
"AccessPolicies" : {
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.
@param accessPolicies a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #accessPolicies(String)",
"xmlNameSpaceUri" : null
}];
"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "AccessPolicies",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "AccessPolicies",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setAccessPolicies",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "accessPolicies",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "accessPolicies",
    "variableType": "String",
    "documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"AdvancedOptions": {
    "beanStyleGetterMethodName": "getAdvancedOptions",
    "beanStyleSetterMethodName": "setAdvancedOptions",
    "c2jName": "AdvancedOptions",
    "c2jShape": "AdvancedOptions",
    "defaultConsumerFluentSetterDocumentation": "<p>Modifies the advanced option to allow references to
indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-
resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-
service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options"
target="_blank">Configuration Advanced Options</a> for more information.</p>
This is a convenience that
creates an instance of the <code>{@link Map<String,String> Builder}</code> avoiding the need to create one manually via <code>{@link Map<String,String> Builder#build()}</code>.
When the <code>{@link Consumer} completes, <code>{@link Map<String,String> Builder#build()}</code> is called immediately and its result is passed to <code>{@link #advancedOptions(Map<String,String>)}
In param advancedOptions a consumer that will call methods on <code>{@link Map<String,String> Builder#build()}</code>
Returns a reference to this object so that method calls can be chained
together.<code>@see #advancedOptions(Map<String,String>)
"</code>,
    "deprecated": false,
    "documentation": "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
"endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuration Advanced Options</a> for more information.</p>
@param advancedOptions
Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuration Advanced Options</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "advancedOptions",
"getterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuration Advanced Options</a> for more information.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createupdatedomains" target="_blank">Configuration Advanced Options</a> for more information.
"getterModel" : {
	"returnType" : "java.util.Map<String,String>",
	"documentation" : null
},
"http" : {
	"additionalMarshallingPath" : null,
	"additionalUnmarshallingPath" : null,
	"flattened" : false,
	"greedy" : false,
	"header" : false,
	"isPayload" : false,
	"isStreaming" : false,
	"location" : null,
	"marshallLocation" : "PAYLOAD",
	"marshallLocationName" : "AdvancedOptions",
	"queryString" : false,
	"statusCode" : false,
	"unmarshallLocationName" : "AdvancedOptions",
	"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #key(String)}. @param key a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object. @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object."
  },
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "statusMessage" : false,
    "unmarshallLocationName" : "key"
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object."
@n@n@param key The new value for the Key property for this object.
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : ".",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \n@link String.Builder\) avoiding the need to create one manually via \n@link String#builder\).\nWhen the \n@link Consumer\) completes, \n@link String.Builder#build\) is called immediately and its result is passed to \n@link #value(String\)\n@n@n@param value a consumer that will call methods on \n@link String.Builder\n@n@n@return Returns a reference to this object so that method calls can be chained together.\n@n@n@see #value(String\)
,"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>\n\n@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "value",
"variableType" : "string",
"documentation" : null,
"simpleType" : "string",
"variableSetterType" : "string"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
}
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>",
"xmlNameSpaceUri" : null,
"CognitoOptions" : {
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the @link CognitoOptions.Builder avoiding the need to create one manually via @link CognitoOptions.Builder(). When the @link Consumer completes, @link CognitoOptions.Builder#build() is called immediately and its result is passed to @link CognitoOptions a consumer that will call methods on the @link CognitoOptions.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.
@see #cognitoOptions(CognitoOptions)",
"deprecated" : false,
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

@endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

@endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

@endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

@endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

```json

"getterModel": {
  "returnType": "CognitoOptions",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "CognitoOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "CognitoOptions",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "SDK_POJO",

"name": "CognitoOptions",

"sensitive": false,

"setterDocumentation": "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",

"setterMethodName": "setCognitoOptions",

"setterModel": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
}
```
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null,
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.<p>
@see #domainName(String)
@see #domainName(String)"
,"deprecated" : false,
"documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@return The name of the Elasticsearch domain that you are updating.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)
@see #domainName(String)"
,"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@return The name of the Elasticsearch domain that you are updating.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
@param
domainName The name of the Elasticsearch domain that you are updating.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
}
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.

@throws IOException when marshalling is not successful.
@see #ebsOptions(EBSOptions)

@deprecated

"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. 

@endparam ebsOptions Specify the type and size of the EBS volume that you want to use.

@endreturn Returns a reference to this object so that method calls can be chained together.

@see #ebsOptions(EBSOptions)"

@deprecated

"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. 

@endparam ebsOptions Specify the type and size of the EBS volume that you want to use.

@endreturn Returns a reference to this object so that method calls can be chained together.

@see #ebsOptions(EBSOptions)"

"getterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use.

@endparam ebsOptions Specify the type and size of the EBS volume that you want to use.

@endreturn Specify the type and size of the EBS volume that you want to use.

@getterModel" : {
 "returnType" : "EBSOptions",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "EBSOptions",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "EBSOptions",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use.</p>
@param ebsOptions Specify the type and size of the EBS volume that you want to use."
, "setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use.</p>
"simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig",
  "c2jShape" : "ElasticsearchClusterConfig",
  "defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}. When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchClusterConfig(ElasticsearchClusterConfig)} \n return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
  "deprecated" : false,
  "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.<br/@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>@return The type and number of instances to instantiate for the domain cluster.",
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchClusterConfig",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : null,
<code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

```
"getterModel" : {
  "returnType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultValue" : null,
    "cannotBeConsumedIf" : null,
    "consumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}. When the \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #keyAs(String) keyAs(String)}.\n\n@see #key(String)";
  }
}
```

This is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}. When the \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #keyAs(String) keyAs(String)}.\n\n@see #key(String)";
  }
```

"deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType
@return Returns a reference to this object so that method calls can be chained together.
@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.
<br>
If the service returns an enum value that is not available in the current SDK version, <code>@link key</code> will return <code>@link LogType#UNKNOWN_TO_SDK_VERSION</code>. The raw value returned by the service is available from <code>@link #keyAsString</code>.

@return The value of the Key property for this object.
@see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key".
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "key",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
 "beanStyleGetterMethodName" : "getValue",
 "beanStyleSetterMethodName" : "setValue",
 "c2jName" : "value",
 "c2jShape" : "LogPublishingOption",
 "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the LogPublishingOption.Builder() avoiding the need to create one manually via LogPublishingOption.builder(). When the Consumer completes, LogPublishingOption.Builder.build() is called immediately and its result is passed to LogPublishingOption.value().

@see LogPublishingOption.Builder\n@return Returns a reference to this object so that method calls can be chained together."
,  "deprecated" : false,
 "documentation" : "",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "value",
 "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
,  "fluentSetterMethodName" : "value",
 "getterDocumentation" : "Returns the value of the Value property for this object.\n@return The value of the Value property for this object."
,  "getterModel" : {
 "returnType" : "LogPublishingOption",
 "documentation" : null
}
"http": {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."
,  
"setterMethodName" : "setValue",
"setterModel" : {
    "variableDeclarationType" : "LogPublishingOption",
    "variableName" : "value",
    "variableType" : "LogPublishingOption",
    "documentation" : null,
    "simpleType" : "LogPublishingOption",
    "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "LogPublishingOption",
    "variableName" : "value",
    "variableType" : "LogPublishingOption",
    "documentation" : "",
    "simpleType" : "LogPublishingOption",
    "variableSetterType" : "LogPublishingOption"
}
"xmlNameSpaceUri" : null,
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String, LogPublishingOption>",
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"xmlNameSpaceUri" : null,
},
"SnapshotOptions" : {
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 
This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}. When the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptions)}.
@param snapshotOptions a consumer that will call methods on { @link SnapshotOptions.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #snapshotOptions(SnapshotOptions)",
"deprecated" : false,
"documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. \</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. \n\n@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.\n\n@return Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours."

getterModel" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default
value is `<code>0</code>` hours. </p>
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is `<code>0</code>` hours.

"setterMethodName" : "setSnapshotOptions",
"setter" : {
    "variableDeclarationType" : "SnapshotOptions",
    "variableName" : "snapshotOptions",
    "variableType" : "SnapshotOptions",
    "documentation" : null,
    "simpleType" : "SnapshotOptions",
    "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "SnapshotOptions",
    "variableName" : "snapshotOptions",
    "variableType" : "SnapshotOptions",
    "documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is `<code>0</code>` hours. "
},
"xmlNameSpaceUri" : null,

"VPCOptions" : {
    "beanStyleGetterMethodName" : "getVpcOptions",
    "beanStyleSetterMethodName" : "setVpcOptions",
    "c2jName" : "VPCOptions",
    "c2jShape" : "VPCOptions",
    "defaultConsumerFluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank"&gt;Creating a VPC&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;/i&gt; &lt;/p&gt;&lt;/i&gt;This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}. When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to {@link #vpcOptions(VPCOptions)}. a consumer that will call methods on {@link VPCOptions.Builder} &lt;/i&gt;&lt;/p&gt;

    "documentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank"&gt;Creating a VPC&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;/i&gt; &lt;/p&gt;&lt;/i&gt;"},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/</p>@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/
@return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>/",
"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.
@param domainName a consumer that will call methods on the String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>
"deprecated" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.
</p>@param domainName The name of the Elasticsearch domain that you are updating.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.
</p>@return The name of the Elasticsearch domain that you are updating.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.
</p>@param domainName The name of the Elasticsearch domain that you are updating.
",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster. </p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}. When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}.
@param elasticsearchClusterConfig a consumer that will call methods on { @link ElasticsearchClusterConfig.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
"deprecated" : false,
"documentation" : "<p>The type and number of instances to instantiate for the domain cluster. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster. </p>
The type and number of instances to instantiate for the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
"getterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster. </p>
The type and number of instances to instantiate for the domain cluster.
@return The type and number of instances to instantiate for the domain cluster.
@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)",
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null}
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "\t\t<p>Specify the type and size of the EBS volume that you want to use. </p>\n\t\tThis is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}.<p>When the {@link Consumer} completes, [{@link EBSOptions.Builder#build()}] is called immediately and its result is passed to [{@link #ebsOptions(EBSOptions)}].</p>@param ebsOptions a consumer that will call methods on [{@link EBSOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.\n@see #ebsOptions(EBSOptions)",
"deprecated" : false,
"documentation" : "\t\t<p>Specify the type and size of the EBS volume that you want to use. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "\t\t<p>Specify the type and size of the EBS volume that you want to use. </p>
\t\t@param ebsOptions Specify the type and size of the EBS volume that you want to use.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #ebsOptions(EBSOptions)",
"getterDocumentation" : "\t\t<p>Specify the type and size of the EBS volume that you want to use. </p>
\t\t@return Specify the type and size of the EBS volume that you want to use.\n\t\t@getter Model" : {
\t\t"returnType" : "EBSOptions",
\t\t"documentation" : null
\t\t},
"http" : {
\t\t"additionalMarshallingPath" : null,
\t\t"additionalUnmarshallingPath" : null,
\t\t"flattened" : false,
\t\t"greedy" : false,
\t\t"header" : false,
\t\t"isPayload" : false,
\t\t"isStreaming" : false,
\t\t"location" : null,
\t\t"marshallLocation" : "PAYLOAD",
\t\t"marshallLocationName" : "EBSOptions",
\t\t"queryString" : false,
\t\t"statusCode" : false,
\t\t"unmarshallLocationName" : "EBSOptions",
\t\t"uri" : false
\t},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@param ebsOptions Specify the type and size of the EBS volume that you want to use.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
"simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
"simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}.\nWhen the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link snapshotOptions(SnapshotOptions)}\n\n@param snapshotOptions a consumer that will call methods on { @link SnapshotOptions.Builder}\n\n@see #snapshotOptions(SnapshotOptions)",
"deprecated" : false,
"documentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \n\n\n@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is \n\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \n\n\n\n@return Option to set the time, in UTC format, for the daily automated snapshot. Default value is \n\n\n\nлю lustbo.
"getterModel" : {
  "returnType" : "SnapshotOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is \n\n\n@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is \n\n\n\nлю lustbo.
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {


"variableDeclarationType": "SnapshotOptions",
"variableName": "snapshotOptions",
"variableType": "SnapshotOptions",
"documentation": null,
"simpleType": "SnapshotOptions",
"variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "SnapshotOptions",
"variableName": "snapshotOptions",
"variableType": "SnapshotOptions",
"documentation": "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>",
"simpleType": "SnapshotOptions",
"variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getVpcOptions",
"beanStyleSetterMethodName": "setVpcOptions",
"c2jName": "VPCOptions",
"c2jShape": "VPCOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>&lt;/a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;&lt;p&gt;This is a convenience that creates an instance of the {&lt;link VPCOptions.Builder&gt;} avoiding the need to create one manually via {&lt;link VPCOptions#builder()&gt};&lt;p&gt;When the {&lt;link Consumer&gt;} completes, {&lt;link VPCOptions.Builder#build()&gt} is called immediately and its result is passed to {&lt;link VPCOptions.VPCOptions&gt};&lt;p&gt;@param vpcOptions a consumer that will call methods on {&lt;link VPCOptions.Builder&gt};&lt;p&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;p&gt;@see &lt;#vpcOptions(VPCOptions)&gt;";
"deprecated": false,
"documentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "vpcOptions",
"fluentSetterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "null",
"fluentEnumSetterMethodName": "null",
"fluentGetterMethodName": "vpcOptions",
"fluentSetterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains&lt;/i&gt;&lt;/p&gt;";
Service Domains</i></p><p>@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains</i&gt;&lt;/p&gt;&lt;p&gt;@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "&lt;p&gt;Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains</i&gt;&lt;/p&gt;&lt;p&gt;@return Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains</i&gt;&lt;/p&gt;&lt;p&gt;

"getterModel" : {
"returnType" : "VPCOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a&gt; in &lt;i&gt;VPC Endpoints for Amazon Elasticsearch Service Domains</i&gt;&lt;/p&gt;&lt;p&gt;\n@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
Creating a VPC in VPC Endpoints for Amazon Elasticsearch Service Domains

Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in VPC Endpoints for Amazon Elasticsearch Service Domains.

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html). This is a convenience that creates an instance of the `CognitoOptions` avoiding the need to create one manually via `CognitoOptions#builder()`. When the `Consumer` completes, `CognitoOptions.Builder#build()` is called immediately and its result is passed to `CognitoOptions#builder()`.

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<p>\n@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>\n@return Returns a reference to this object so that method calls can be chained together.
</p>
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
Amazon Cognito Authentication for Kibana<br/>

```json
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultValueSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the [link Map<String,String>.Builder] avoiding the need to create one manually via [link Map<String,String>#builder()]. When the [link Consumer] completes, [link Map<String,String>.Builder#build()] is called immediately and its result is passed to [link #advancedOptions(Map<String,String>)] a consumer that will call methods on [link Map<String,String>.Builder] that return Returns a reference to this object so that method calls can be chained together. This allows a method that is chained to be called without a new instance of a client class being created.

"deprecated" : false,
"documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options">Configuration Advanced Options</a> for more information.</p>"}
```
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
@param advancedOptions
Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "advancedOptions",
"getterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #key(String)}.\n\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\n\n@return The value of the Key property for this object."
  },
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
  }
}
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false}

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

setterMethodName" : "setKey",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "key",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "key",
 "variableType" : "String",
 "documentation" : "",
 "simpleType" : "String",
 "variableSetterType" : "String"
}

"xmlNamespaceUri" : null

"valueLocationName" : "value",
"valueModel" : {
 "beanStyleGetterMethodName" : "getValue",
 "beanStyleSetterMethodName" : "setValue",
 "c2jName" : "value",
 "c2jShape" : "String",
 "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This
is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #value(String)\}. @param value a consumer that will call methods on \{@link String.Builder\}@return Returns a reference to this object so that method calls can be chained together.@see #value(String)"},
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n@return The value of the Value property for this object.\",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "value",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "value",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING"
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@\n\n@\n\n@\n\n@\n\n@param value The new value for the Value property for this object."
,
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "AdvancedOptions",
"sensitive": false,
"setterDocumentation": "Modifies the advanced option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.\n\n@\n\n@\n\n@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."
,
"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",}
"variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.&lt;/p&gt;

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #accessPolicies(String)}. The {@param accessPolicies} consumer that will call methods on {@link String.Builder} will return a reference to this object so that method calls can be chained together.&lt;@see #accessPolicies(String)"
  "deprecated" : false,
  "documentation" : "<p>IAM access policy as a JSON-formatted string.&lt;/p&gt;",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.&lt;/p&gt;

@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "accessPolicies",
  "getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.&lt;/p&gt;

@return IAM access policy as a JSON-formatted string.

@see #accessPolicies(String)"
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
IAM access policy as a JSON-formatted string.

```json
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
" sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}"
"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log. This is a convenience that creates an instance of the <code>@link Map<String,LogPublishingOption>.Builder</code> avoiding the need to create one manually via <code>@link Map<String,LogPublishingOption>#builder()</code>. When the <code>@link Consumer</code> completes, <code>@link Map<String,LogPublishingOption>.Builder#build()</code> is called immediately and its result is passed to <code>@link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)</code>. When the <code>@link Map<String,LogPublishingOption>.Builder</code> reference is passed to <code>@link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)</code>, each containing options to publish a given type of Elasticsearch log.</p>"
,"deprecated" : false,
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
@return Returns a reference to this object so that method calls can be chained together."
,"getterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #keyAsString(String) and the @param key a consumer that will call methods on @link String.Builder\n
@see #key(String)
@deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object

@see LogType
@return Returns a reference to this object so that method calls can be chained together.

@see LogType",
"getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, @link #key will return @link LogType#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from @link #keyAsString.

@return The value of the Key property for this object

@see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {@link LogPublishingOption.Builder} avoiding the need to create one manually via {@link LogPublishingOption.Builder#build()}. When the {@link Consumer} completes, {@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to {@link #value(LogPublishingOption)}.\n\n@see #value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n\n@see #value(LogPublishingOption)",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@see #value(LogPublishingOption)",
  "getterModel" : {
    "returnType" : "LogPublishingOption",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
  }
},
"http" : 

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object."
@param value The new value for the Value property for this object.

"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
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"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": "",
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},
"marshallingType": "MAP",
"name": "LogPublishingOptions",
"sensitive": false,
"setterDocumentation": "&lt;p&gt;Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;&lt;p&gt;\n\n@param logPublishingOptions Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;",
"setterMethodName": "setLogPublishingOptionsWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>"
,"variableName": "logPublishingOptions",
  "variableType": "java.util.Map<String,LogPublishingOption>"}
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>"
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"xmlNameSpaceUri" : null
]},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainName" ],
"shapeName" : "UpdateElasticsearchDomainConfigRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "UpdateElasticsearchDomainConfigRequest",
"variableName" : "updateElasticsearchDomainConfigRequest",
"variableType" : "UpdateElasticsearchDomainConfigRequest",
"documentation" : null,
"simpleType" : "UpdateElasticsearchDomainConfigRequest",
"variableSetterType" : "UpdateElasticsearchDomainConfigRequest"
},
"wrapper" : false
},
"UpdateElasticsearchDomainConfigResponse" : {
"c2jName" : "UpdateElasticsearchDomainConfigResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>The result of an <code>UpdateElasticsearchDomain</code> request. Contains the status of the Elasticsearch domain being updated.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getDomainConfig",
  "beanStyleSetterMethodName" : "setDomainConfig",
  "c2jName" : "DomainConfig",
  "c2jShape" : "ElasticsearchDomainConfig",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain. This is a convenience that creates an instance of the {@link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainConfig#builder()}. When the {@link Consumer} completes, {@link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to {@link ElasticsearchDomainConfig(ElasticsearchDomainConfig)}.\n@param domainConfig a consumer that will call methods on {@link ElasticsearchDomainConfig.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainConfig(ElasticsearchDomainConfig)"
   ,
  "deprecated" : false,
  "documentation" : "<p>The status of the updated Elasticsearch domain. \n</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainConfig",
  "fluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain. \n</p>\n@param domainConfig The status of the updated Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n"fluentSetterMethodName" : "domainConfig",
  "getterDocumentation" : "<p>The status of the updated Elasticsearch domain. \n</p>\n@return The status of the updated Elasticsearch domain.\n",
  "getterModel" : {
    "returnType" : "ElasticsearchDomainConfig",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
The status of the updated Elasticsearch domain.

@param domainConfig

The status of the updated Elasticsearch domain.

@defaultConsumerFluentSetterDocumentation

<p>The status of the updated Elasticsearch domain.</p>

@setterDocumentation

<p>The status of the updated Elasticsearch domain.</p>
This is a convenience that creates an instance of the `{@link ElasticsearchDomainConfig.Builder}` avoiding the need to create one manually via `{@link ElasticsearchDomainConfig.Builder#builder()}`. When the `{@link Consumer}` completes, `{@link ElasticsearchDomainConfig.Builder#build()}` is called immediately and its result is passed to `{@link ElasticsearchDomainConfig(ElasticsearchDomainConfig)}`.

When the `{@link Consumer}` completes, `{@link ElasticsearchDomainConfig.Builder#build()}` is called immediately and its result is passed to `{@link ElasticsearchDomainConfig(ElasticsearchDomainConfig)}`.

```java
@param domainConfig a consumer that will call methods on `{@link ElasticsearchDomainConfig.Builder}`
@return Returns a reference to this object so that method calls can be chained together.

@see #domainConfig(ElasticsearchDomainConfig)
```

```

```
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"sensitive" : false,
"setterDocumentation" : "The status of the updated Elasticsearch domain. \n@param domainConfig
The status of the updated Elasticsearch domain."
"setterMethodName" : "setDomainConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : null,
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"variableType" : "ElasticsearchDomainConfig",
"documentation" : "The status of the updated Elasticsearch domain.\n@param domainConfig a consumer that will call methods on \nElasticsearchDomainConfig.Builder\n@link ElasticsearchDomainConfig.Builder#build()\nWhen the \{@link Consumer\} completes, \{@link ElasticsearchDomainConfig.Builder#build()\} is called immediately and its result is passed to \{@link ElasticsearchDomainConfig.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainConfig(ElasticsearchDomainConfig)"
"deprecated" : false,
"documentation" : "The status of the updated Elasticsearch domain.\n@deprecated The status of the updated Elasticsearch domain.\n@see #domainConfig(ElasticsearchDomainConfig)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",}
"fluentSetterDocumentation": "The status of the updated Elasticsearch domain.
@param domainConfig The status of the updated Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "domainConfig",
"getterDocumentation": "The status of the updated Elasticsearch domain.
@param domainConfig The status of the updated Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterModel": {
  "returnType": "ElasticsearchDomainConfig",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainConfig",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainConfig",
  "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "DomainConfig",
"setterDocumentation": "The status of the updated Elasticsearch domain.
@param domainConfig The status of the updated Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setDomainConfig",
"setterModel": {
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  "variableName": "domainConfig",
  "variableType": "ElasticsearchDomainConfig",
  "documentation": null,
  "simpleType": "ElasticsearchDomainConfig",
  "variableSetterType": "ElasticsearchDomainConfig"
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"simple": false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "<p>The status of the updated Elasticsearch domain. </p>",
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainConfig" ],
"shapeName" : "UpdateElasticsearchDomainConfigResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpdateElasticsearchDomainConfigResponse",
  "variableName" : "updateElasticsearchDomainConfigResponse",
  "variableType" : "UpdateElasticsearchDomainConfigResponse",
  "documentation" : null,
  "simpleType" : "UpdateElasticsearchDomainConfigResponse",
  "variableSetterType" : "UpdateElasticsearchDomainConfigResponse"
},
"wrapper" : false
},
"UpgradeElasticsearchDomainRequest" : {
  "c2jName" : "UpgradeElasticsearchDomainRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for request parameters to <code> <a>UpgradeElasticsearchDomain</a> </code> operation. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "UpgradeElasticsearchDomain",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/upgradeDomain",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
    object. This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create
    one manually via [ @link String#builder()]. When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #domainName(String)].
    @param domainName a consumer that will call methods on [ @link String.Builder]
    @return Returns a reference to this
    object so that method calls can be chained together.
    @see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this
    object. The new value for the DomainName property for this object.
    @return Returns a reference to this
    object so that method calls can be chained together.",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "Returns the value of the DomainName property for this object.
    @return The value of
    the DomainName property for this object.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
The new value for the DomainName property for this object.

@param domainName

The new value for the DomainName property for this object.

@method setDomainName

public void setDomainName(String domainName) {
    this.domainName = domainName;
}

public String getDomainName() {
    return domainName;
}
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}. @param targetVersion a consumer that will call methods on {@link String.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #targetVersion(String)",

"deprecated" : false,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>

@return The version of Elasticsearch that you intend to upgrade the domain to.",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TargetVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TargetVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@\param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
 ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #performCheckOnly(Boolean)}.\n@\param performCheckOnly a consumer that will call methods on { @link Boolean.Builder}\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #performCheckOnly(Boolean)",
"deprecated" : false,
"documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. This will not actually perform the Upgrade. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check
needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@return Returns a reference to this object so that method calls can be chained together."

            "fluentSetterMethodName" : "performCheckOnly",
            "getterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."

            "getterModel" : {
                "returnType" : "Boolean",
                "documentation" : null
            },
            "http" : {
                "additionalMarshallingPath" : null,
                "additionalUnmarshallingPath" : null,
                "flattened" : false,
                "greedy" : false,
                "header" : false,
                "isPayload" : false,
                "isStreaming" : false,
                "location" : null,
                "marshallLocation" : "PAYLOAD",
                "marshallLocationName" : "PerformCheckOnly",
                "queryString" : false,
                "statusCode" : false,
                "unmarshallLocationName" : "PerformCheckOnly",
                "uri" : false
            },
            "idempotencyToken" : false,
            "isBinary" : false,
            "jsonValue" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
            "marshallingType" : "BOOLEAN",
            "name" : "PerformCheckOnly",
            "sensitive" : false,
            "setterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."

            "setterMethodName" : "setPerformCheckOnly",
            "setterModel" : {
                "variableDeclarationType" : "Boolean",
                "variableName" : "performCheckOnly",
                "variableType" : "Boolean",
                "documentation" : null,
                "simpleType" : "Boolean"
"variableSetterType" : "Boolean",
}.
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}

"xmlnsNameSpaceUri" : null
} ].
"membersAsMap" : {
  "DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultValueConsumerFluentSetterDocumentation" : " Sets the value of the DomainName property for this object.&lt;\n\nThis is a convenience that creates an instance of the {\@link String.Builder} avoiding the need to create one manually via {\@link String#builder()}. When the {\@link Consumer} completes, {\@link String.Builder#build()} is called immediately and its result is passed to {\@link #domainName(String)}.\n
@see #domainName(String)\n",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThe new value for the DomainName property for this object.\n\n@see #domainName(String)\n",\n"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.\n@see #domainName(String)\n",\n"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
}.
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object."
@param domainName The new value for the DomainName property for this object.

"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PerformCheckOnly" : {
"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.</p>
This is a convenience that creates an instance of the [{@link Boolean.Builder} avoiding the need to create one manually via [{@link Boolean.Builder#builder()}). When the [{@link Consumer} completes, [{@link Boolean.Builder#build()}] is called immediately and its result is passed to [{@link #performCheckOnly(Boolean)}].

When the [{@link Consumer} completes, [{@link Boolean.Builder#build()}] is called immediately and its result is passed to [{@link #performCheckOnly(Boolean)}].

@param performCheckOnly a consumer that will call methods on [{@link Boolean.Builder}]
@return Returns a reference to this object so that method calls can be chained together.
@see #performCheckOnly(Boolean)",
"deprecated" : false,
"documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.</p>
This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@returns This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@returns Returns a reference to this object so that method calls can be chained together.
@see #performCheckOnly(Boolean)",
"fluentSetterMethodName" : "performCheckOnly",
"getterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.</p>
This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@returns Returns a reference to this object so that method calls can be chained together.
@see #performCheckOnly(Boolean)",
"getterModel" : {
   "returnType" : "Boolean",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "PerformCheckOnly",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "PerformCheckOnly",
   "uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "PerformCheckOnly",
"sensitive": false,
"setterDocumentation": "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

"setterMethodName": "setPerformCheckOnly",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "performCheckOnly",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "performCheckOnly",
"variableType": "Boolean",
"documentation": "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"TargetVersion": {
"beanStyleGetterMethodName": "getTargetVersion",
"beanStyleSetterMethodName": "setTargetVersion",
"c2jName": "TargetVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "The version of Elasticsearch that you intend to upgrade the domain to.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes,  is called immediately and its result is passed to  a consumer that will call methods on  returns a reference to this object so that method calls can be chained together.

@see #targetVersion(String)"
}
"deprecated": false,
"documentation": "The version of Elasticsearch that you intend to upgrade the domain to.
\n@end param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setTargetVersion",
"getterDocumentation": "The version of Elasticsearch that you intend to upgrade the domain to.
\n@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
\n@return The version of Elasticsearch that you intend to upgrade the domain to.
\ngetterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TargetVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TargetVersion",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "TargetVersion",
"sensitive": false,
"setterDocumentation": "The version of Elasticsearch that you intend to upgrade the domain to.
\n@end param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
\nsetterMethodName": "setTargetVersion",
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object.\n",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String"
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade
the domain to.</p> This is a convenience that creates an instance of the [@link String.Builder] avoiding the need
to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to
[@link #targetVersion(String)].

@param targetVersion a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this
object so that method calls can be chained together.
@see #targetVersion(String)",
"deprecated" : false,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain
to.</p> The version of Elasticsearch that you intend to upgrade the domain to.

@return The version of Elasticsearch that you intend to upgrade the domain to.
"",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "TargetVersion",
"sensitive": false,
"setterDocumentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName": "setTargetVersion",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "targetVersion",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "targetVersion",
"variableType": "String",
"documentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getPerformCheckOnly",
"beanStyleSetterMethodName": "setPerformCheckOnly",
"c2jName": "PerformCheckOnly",
"c2jShape": "Boolean",

"defaultConsumerFluentSetterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>

This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean.Builder#builder()}.

When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #performCheckOnly(Boolean)}.

@see #performCheckOnly(Boolean)

@deprecated": false,

"documentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>".


"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PerformCheckOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PerformCheckOnly",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"sensitive" : false,
"setterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."}
Upgrade.

"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "complexType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "complexType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName", "TargetVersion" ],
"shapeName" : "UpgradeElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeElasticsearchDomainRequest",
  "variableName" : "upgradeElasticsearchDomainRequest",
  "variableType" : "UpgradeElasticsearchDomainRequest",
  "documentation" : null,
  "complexType" : "UpgradeElasticsearchDomainRequest",
  "variableSetterType" : "UpgradeElasticsearchDomainRequest"
},
"wrapper" : false
},
"UpgradeElasticsearchDomainResponse" : {
  "c2jName" : "UpgradeElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  }
}
Container for response returned by <code>UpgradeElasticsearchDomain</code> operation.

This is a convenience that creates an instance of the <code>String.Builder</code> avoiding the need to create one manually via <code>String.Builder().<a>domainName</a>()</code>. When the <code>Consumer</code> completes, <code>domainName(String)</code> is called immediately and its result is passed to <code>DomainName(String)</code>. Returns a reference to this object so that method calls can be chained together.

```
@deprecated
```

The new value for the DomainName property for this object.

```
@returun
```

The value of the DomainName property for this object.

```
getterModel: {
  "returnType": "String",
  "documentation": null
}
```

Null.
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName
The new value for the DomainName property for this object.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"modelNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}. @param targetVersion a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #targetVersion(String)
",
"deprecated" : false,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : "targetVersion",
"fluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@return The version of Elasticsearch that you intend to upgrade the domain to.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodDefinition" : "setTargetVersion",
"setterModel" : {  
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {  
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
This is a convenience that creates an instance of the \{@link Boolean.Builder\} avoiding the need to create one manually via \{@link Boolean#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #performCheckOnly(Boolean)\}.\n\n@see #performCheckOnly(Boolean)",
"deprecated" : false,
"documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. <p>@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. <p>@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "performCheckOnly",
"getterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. <p>@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PerformCheckOnly",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PerformCheckOnly",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"sensitive" : false,
"setterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. <p>@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade."

"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}. @param domainName a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "null",
    "fluentEnumSetterMethodName" : "null",
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object.@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "Returns the value of the DomainName property for this object.@return The value of the DomainName property for this object.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param\ndomainName The new value for the DomainName property for this object."
, "setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"PerformCheckOnly" : {
  "beanStyleGetterMethodName" : "getPerformCheckOnly",
  "beanStyleSetterMethodName" : "setPerformCheckOnly",
  "c2jName" : "PerformCheckOnly",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean#builder()].

When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #performCheckOnly(Boolean)] a consumer that will call methods on [@link Boolean.Builder]\n@returns a reference to this object so that method calls can be chained together.@see #performCheckOnly(Boolean)",
  "deprecated" : false,
  "documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "performCheckOnly",
  "fluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@return Returns a reference to this object so that method calls can be chained together.
@see #performCheckOnly(Boolean)",
  "fluentSetterMethodName" : "performCheckOnly",
  "getterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@see #performCheckOnly(Boolean)",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "PerformCheckOnly",
    "queryString" : false,
    "statusCode" : false,
    "documentation" : null
  }
},
This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@command {param performCheckOnly} This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

The version of Elasticsearch that you intend to upgrade the domain to.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}.
targetVersion a consumer that will call methods on {\link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see \#targetVersion(String)",

"deprecated" : false,
"documentation" : "\<p\>\The version of Elasticsearch that you intend to upgrade the domain to.\</p\>\",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "\<p\>\The version of Elasticsearch that you intend to upgrade the domain to.\</p\>\return \n
"getterDocumentation" : "\<p\>\The version of Elasticsearch that you intend to upgrade the domain to.\</p\>\return\n
"setterDocumentation" : "\<p\>\The version of Elasticsearch that you intend to upgrade the domain to.\</p\>\n

http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "\<p\>\The version of Elasticsearch that you intend to upgrade the domain to.\</p\>\n

to.</p>

@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.

setterMethodName": "setTargetVersion",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "targetVersion",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "targetVersion",
"variableType": "String",
"documentation": "The version of Elasticsearch that you intend to upgrade the domain to.<p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}]

"nonStreamingMembers": [
{
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
"c2jShape": "DomainName",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the DomainName property for this object.\n\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #domainName(String)\}.\n\n@param domainName a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "Sets the value of the DomainName property for this object.\n\nThe new value for the DomainName property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "domainName",
"getterDocumentation": "Returns the value of the DomainName property for this object.\n\n@return The value of
the DomainName property for this object.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@\n
The new value for the DomainName property for this object.

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"}
"documentation": "The version of Elasticsearch that you intend to upgrade the domain to.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
{
"beanStyleGetterMethodName": "getTargetVersion",
"beanStyleSetterMethodName": "setTargetVersion",
"c2jName": "TargetVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [TargetVersion(String)].

@see #targetVersion(String)"
,"deprecated": false,
"documentation": "The version of Elasticsearch that you intend to upgrade the domain to.",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "targetVersion",
"fluentSetterDocumentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName": "targetVersion",
"getterDocumentation": "The version of Elasticsearch that you intend to upgrade the domain to.
@return The version of Elasticsearch that you intend to upgrade the domain to.
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "TargetVersion",
"queryString": false,
"statusCode": false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "\p> The version of Elasticsearch that you intend to upgrade the domain to.<\p>\n@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName" : "setTargetVersion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "targetVersion",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "targetVersion",
    "variableType" : "String",
    "documentation" : "\p> The version of Elasticsearch that you intend to upgrade the domain to.\p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "\p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \p>\nThis is a convenience that creates an instance of the {\link Boolean.Builder} avoiding the need to create one manually via {\link BooleanBuilder}. When the {\link Consumer} completes, {\link Boolean.Builder#build()} is called immediately and its result is passed to {\link performCheckOnly(Boolean)}. \n@returns Returns a reference to this object so that method calls can be chained together.\n@see #performCheckOnly(Boolean)\n",
"deprecated" : false,
<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.</p>

```
@<p

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

```

```

```
be performed. This will not actually perform the Upgrade. 

\n\n@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "performCheckOnly",
   "variableType" : "Boolean",
   "documentation" : null,
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Boolean",
   "variableName" : "performCheckOnly",
   "variableType" : "Boolean",
   "documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
   "simpleType" : "Boolean",
   "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "UpgradeElasticsearchDomainResponse",
   "variableName" : "upgradeElasticsearchDomainResponse",
   "variableType" : "UpgradeElasticsearchDomainResponse",
   "documentation" : null,
   "simpleType" : "UpgradeElasticsearchDomainResponse",
   "variableSetterType" : "UpgradeElasticsearchDomainResponse"
},
"wrapper" : false
"UpgradeHistory" : {
   "c2jName" : "UpgradeHistory",
   "customization" : {
      "artificialResultWrapper" : null,
}}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UpgradeName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UpgradeName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeName",
"sensitive": false,
"setterDocumentation": "<p>A string that describes the update briefly</p><p>@param upgradeName A string that describes the update briefly</p>",
"setterMethodName": "setUpgradeName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": "<p>A string that describes the update briefly</p>",
  "simpleType": "String",
  "variableSetterType": "String"
}
"xmlNameSpaceUri" : null,
], {
    "beanStyleGetterMethodName" : "getStartTimestamp",
    "beanStyleSetterMethodName" : "setStartTimestamp",
    "c2jName" : "StartTimestamp",
    "c2jShape" : "StartTimestamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format. This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder#builder()}.

When the consumer completes, {@link Instant.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on the builder.

@see #startTimestamp(Instant)",
    "deprecated" : false,
    "documentation" : "UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "startTimestamp",
    "fluentSetterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.

@param startTimestamp UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.
@return Returns a reference to this object so that method calls can be chained together.
@see #startTimestamp(Instant)",
    "fluentSetterMethodName" : "startTimestamp",
    "getterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.

@return UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.

},
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "StartTimestamp",
        "queryString" : false,
        "statusCodes" : false,
        "returnType" : "java.time.Instant",
        "documentation" : null
    }
}
"unmarshallLocationName" : "StartTimestamp",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTimestamp",
"sensitive" : false,
"setterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>
@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.",
"setterMethodName" : "setStartTimestamp",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "startTimestamp",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "startTimestamp",
"variableType" : "java.time.Instant",
"documentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>
@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.",
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getUpgradeStatusAsString",
"beanStyleSetterMethodName" : "setUpgradeStatus",
"c2jName" : "UpgradeStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()].\n\nWhen the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#upgradeStatusAsString(String)]\n\n@param upgradeStatus a consumer that will call methods on [String]
"
String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus(String),
    "deprecated" : false,
    "documentation" : "The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>
    "endpointDiscoveryId" : false,
    "enumType" : "UpgradeStatus",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "upgradeStatus",
    "fluentEnumSetterMethodName" : "upgradeStatus",
    "fluentGetterMethodName" : "upgradeStatusAsString",
    "fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>
    "endpointDiscoveryId" : false,
    "enumType" : "UpgradeStatus",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "upgradeStatus",
    "fluentEnumSetterMethodName" : "upgradeStatus",
    "fluentGetterMethodName" : "upgradeStatusAsString",
    "fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>
    @param upgradeStatus The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>
    @return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus,\n@deprecated
    "documentation" : "The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>
    @see UpgradeStatus
    @param upgradeStatus The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li><li>Succeeded</li><li>Succeeded with Issues</li><li>Failed</li></ul>
    @return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "UpgradeStatus",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "UpgradeStatus",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeStatus",
"sensitive": false,
"setterDocumentation": "The overall status of the update. The status can take one of the following values:
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
@param upgradeStatus The overall status of the update. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
@see UpgradeStatus",
"setterMethodName": "setUpgradeStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStatus",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStatus",
  "variableType": "String",
  "documentation": "The overall status of the update. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
",  
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getStepsList",
"beanStyleSetterMethodName": "setStepsList",
"c2jName": "StepsList",
"c2jShape": "UpgradeStepsList",
"defaultConsumerFluentSetterDocumentation": "A list of <code><a>UpgradeStepItem</a></code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

This is a convenience that creates an instance of the <code>{@link List<UpgradeStepItem>.Builder}</code> avoiding the need to create one manually via <code>{@link List<UpgradeStepItem>#builder()}</code>. When the <code>{@link Consumer}</code> completes, <code>{@link List<UpgradeStepItem>.Builder#build()}</code> is called immediately and its result is passed to <code>{@link List<UpgradeStepItem>}</code>.

@deprecated Returns a reference to this object so that method calls can be chained together.
@see #stepsList(List<UpgradeStepItem>)"
"deprecated": false,
"documentation": "A list of <code><a>UpgradeStepItem</a></code> s representing information about
each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

@endcode>

@param stepsList A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

@return Returns a reference to this object so that method calls can be chained together.

@endcode>

/*
 * @param stepsList A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

 * @return A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

 */

@Getter
public List<UpgradeStepItem> getStepsList() {
    return getStepsList();
}

@Setter
public void setStepsList(List<UpgradeStepItem> stepsList) {
    setStepsList(stepsList);
}


```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```

```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```

```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```

```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```

```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```

```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```

```java
import java.util.List;

public class UpgradeStepItem {
    //...忿
}
```
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "UpgradeStepItem",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link UpgradeStepItem.Builder] avoiding the need to create one manually via [@link UpgradeStepItem#builder()]. When the [@link Consumer] completes, [@link UpgradeStepItem.Builder#build()] is called immediately and its result is passed to [@link #member(UpgradeStepItem)].
@param member a consumer that will call methods on [@link UpgradeStepItem.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(UpgradeStepItem)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Returns the value of the Member property for this object. The value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "UpgradeStepItem",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "UpgradeStepItem",
    "variableName" : "member",
    "variableType" : "UpgradeStepItem",
    "documentation" : null,
    "simpleType" : "UpgradeStepItem",
    "variableSetterType" : "UpgradeStepItem"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "UpgradeStepItem",
    "variableName" : "member",
    "variableType" : "UpgradeStepItem",
    "documentation" : null,
    "simpleType" : "UpgradeStepItem",
    "variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>"
}.
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> UpgradeStepItem </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>\n\n@param stepsList A list of <code> UpgradeStepItem </code> s representing information about each step performed as part of a
specific Upgrade or Upgrade Eligibility Check.

setterMethodName" : "setStepsList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : null,
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>",
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "StartTimestamp" : {
    "beanStyleGetterMethodName" : "getStartTimestamp",
    "beanStyleSetterMethodName" : "setStartTimestamp",
    "c2jName" : "StartTimestamp",
    "c2jShape" : "StartTimestamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format. This is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant#builder()}. When the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link Instant.Builder#build()} a consumer that will call methods on { @link Instant.Builder} and return a reference to this object so that method calls can be chained together. { @see #startTimestamp(Instant)}
    
"deprecated" : false,
    "documentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\</p>",,
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "startTimestamp",
  "fluentSetterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\</p>\n@param startTimestamp UTC Timestamp at which the Upgrade API call was made
in "yyyyMMdd-MM-ddTHH:mm:ssZ" format.
\n@Returns a reference to this object so that method calls can be chained together.

"getterMethodName" : "startTimestamp",
"getterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyyMMdd-MM-ddTHH:mm:ssZ" format.</p>\n@Return UTC Timestamp at which the Upgrade API call was made in "yyyyMMdd-MM-ddTHH:mm:ssZ" format.

"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTimestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTimestamp",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTimestamp",
"sensitive" : false,
"setterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyyMMdd-MM-ddTHH:mm:ssZ" format.</p>\n@param startTimestamp UTC Timestamp at which the Upgrade API call was made in "yyyyMMdd-MM-ddTHH:mm:ssZ" format.

"setterMethodName" : "setStartTimestamp",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "startTimestamp",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTimestamp",
  "variableType" : "java.time.Instant",
  "documentation" : "UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"StepsList" : {
  "beanStyleGetterMethodName" : "getStepsList",
  "beanStyleSetterMethodName" : "setStepsList",
  "c2jName" : "StepsList",
  "c2jShape" : "UpgradeStepsList",
  "defaultConsumerFluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

When the <code>@link Consumer</code> completes, <code>@link List<UpgradeStepItem>.Builder#build()</code> is called immediately and its result is passed to <code>@link #stepsList(List<UpgradeStepItem>)</code>. A consumer that will call methods on <code>@link List<UpgradeStepItem>.Builder</code> returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

"getterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

"getterModel" : {
"returnType": "java.util.List<UpgradeStepItem>",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "StepsList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "StepsList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "UpgradeStepItem",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [UpgradeStepItem.Builder] avoiding the need to create one manually via [UpgradeStepItem#builder()]
When the [Consumer] completes, [UpgradeStepItem.Builder#build()] is called immediately and its result is passed to [UpgradeStepItem].

@see #member(UpgradeStepItem)

@param member a consumer that will call methods on [UpgradeStepItem.Builder]
@return Returns a reference to this object so that method calls can be chained together.

"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object."

@see #member(UpgradeStepItem)
"@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

"getterModel": {
   "returnType": "UpgradeStepItem",
   "documentation": null
},

"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "member",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "member",
   "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

"setterMethodName": "setMember",
"setterModel": {
   "variableDeclarationType": "UpgradeStepItem",
   "variableName": "member",
   "variableType": "UpgradeStepItem",
   "documentation": null,
   "simpleType": "UpgradeStepItem",
   "variableSetterType": "UpgradeStepItem"
},

"simple": false,
"timestampFormat": null,
"variable" : {
    "variableDeclarationType" : "UpgradeStepItem",
    "variableName" : "member",
    "variableType" : "UpgradeStepItem",
    "documentation" : "",
    "simpleType" : "UpgradeStepItem",
    "variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code><a>UpgradeStepItem</a></code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
@param stepsList A list of <code><a>UpgradeStepItem</a></code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

"setterMethodName" : "setStepsList",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
    "variableName" : "stepsList",
    "variableType" : "java.util.List<UpgradeStepItem>",
    "documentation" : null,
    "simpleType" : "List<UpgradeStepItem>",
    "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
    "variableName" : "stepsList",
    "variableType" : "java.util.List<UpgradeStepItem>",
    "documentation" : "",
    "simpleType" : "List<UpgradeStepItem>",
    "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
}
"xmlNameSpaceUri" : null

"UpgradeName" : {
  "beanStyleGetterMethodName" : "getUpgradeName",
  "beanStyleSetterMethodName" : "setUpgradeName",
  "c2jName" : "UpgradeName",
  "c2jShape" : "UpgradeName",
  "defaultConsumerFluentSetterDocumentation" : "A string that describes the update briefly<br/>This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [{@link String#builder()}]. When the [@link Consumer] completes, [{@link String.Builder#build()}] is called immediately and its result is passed to [{@link #upgradeName(String)}].<br/>@paramupgradeName a consumer that will call methods on [{@link String.Builder}].<br/>@return Returns a reference to this object so that method calls can be chained together.<br/>{@link #upgradeName(String)}",
  "deprecated" : false,
  "documentation" : "A string that describes the update briefly",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "upgradeName",
  "fluentSetterDocumentation" : "A string that describes the update briefly<br/>@param upgradeName A string that describes the update briefly<br/>@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "upgradeName",
  "getterDocumentation" : "A string that describes the update briefly<br/>@return A string that describes the update briefly",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UpgradeName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UpgradeName",
    "uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"sensitive" : false,
"setterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpgradeStatus" : {
  "beanStyleGetterMethodName" : "getUpgradeStatusAsString",
  "beanStyleSetterMethodName" : "setUpgradeStatus",
  "c2jName" : "UpgradeStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The overall status of the update. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #upgradeStatusAsString(String)}.<p>
@return Returns a reference to this object so that method calls can be chained together.
@see #upgradeStatus(String)
", 
  "deprecated" : false,
"documentation" : "The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed."

"endpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStatus",
"fluentEnumSetterMethodName" : "upgradeStatus",
"fluentGetterMethodName" : "upgradeStatusAsString",
"fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

If the service returns an enum value that is not available in the current SDK version, @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION will return. The raw value returned by the service is available from @link #upgradeStatusAsString.

@return The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

@see UpgradeStatus
@see UpgradeStatusAsString

The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus"
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStatus",
"sensitive" : false,
"setterDocumentation" : "**(p)** The overall status of the update. The status can take one of the following values:
<ul><li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li></ul>
@\param upgradeStatus The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li></ul>

"settermethodName" : "setUpgradeStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStatus",
  "variableType" : "String",
  "documentation" : "**(p)** The overall status of the update. The status can take one of the following values:
<ul><li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li></ul>
@\param upgradeStatus The overall status of the update. The status can take one of the following values: <ul><li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li></ul>"
, "simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getUpgradeName",
  "beanStyleSetterMethodName" : "setUpgradeName",
  "c2jName" : "UpgradeName",
  "c2jShape" : "UpgradeName",
  "defaultConsumerFluentSetterDocumentation" : "**(p)** A string that describes the update briefly</p>\nThis is a convenience that creates an instance of the \[@link String.Builder\] avoiding the need to create one manually via \[@link String.Builder#builder()\].\n\nWhen the \[@link Consumer\] completes, \[@link String.Builder#build()\] is called immediately and its result is passed to \[@link #upgradeName(String)\].\n@\param upgradeName A consumer that will call methods on \[@link String.Builder\]\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeName(String)"
, "deprecated" : false,
"documentation" : "**(p)** A string that describes the update briefly</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventoHeader" : false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "upgradeName",
"fluentSetterDocumentation": "A string that describes the update briefly\n@param upgradeName A string that describes the update briefly\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "upgradeName",
"getterDocumentation": "A string that describes the update briefly\n@return A string that describes the update briefly",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UpgradeName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UpgradeName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeName",
"sensitive": false,
"setterDocumentation": "A string that describes the update briefly\n@param upgradeName A string that describes the update briefly",
"setterMethodName": "setUpgradeName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": null
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeName",
"variableType" : "String",
"documentation" : "A string that describes the update briefly",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStartTimestamp",
"beanStyleSetterMethodName" : "setStartTimestamp",
"c2jName" : "StartTimestamp",
"c2jShape" : "StartTimestamp",
"defaultConsumerFluentSetterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\nThis is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant.Builder#builder()}\n\nWhen the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #startTimestamp(Instant)}.
\n@param startTimestamp\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #startTimestamp(Instant)"
,"deprecated" : false,
"documentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\n@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTimestamp",
"fluentSetterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\n@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #startTimestamp(Instant)"
,"getterDocumentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\n@return UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\n@see #startTimestamp(Instant)"
,"getterModel" : {
 "returnType" : "java.time.Instant",
 "documentation" : null
 },
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "StartTimestamp",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "StartTimestamp",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "StartTimestamp",
"sensitive": false,
"setterDocumentation": "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>
@\@param startTimestamp UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.",
"setterMethodName": "setStartTimestamp",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "startTimestamp",
  "variableType": "java.time.Instant",
  "documentation": "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
"xmlnsSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUpgradeStatusAsString",
"beanStyleSetterMethodName" : "setUpgradeStatus",
"c2jName" : "UpgradeStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().
When the Consumer completes, the result is passed to UpgradeStatusAsString(String).
@param upgradeStatus a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus(String)",
"deprecated" : false,
"documentation" : "The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.
@endpointDiscoveryId : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStatus",
"fluentEnumSetterMethodName" : "upgradeStatus",
"fluentGetterMethodName" : "upgradeStatusAsString",
"fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.
If the service returns an enum value that is not available in the current SDK version, UpgradeStatus will return UpgradeStatus#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from UpgradeStatusAsString.
@return The overall status of the update. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"setterDocumentation": "<p>The overall status of the update. The status can take one of the following values:
<ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
@param upgradeStatus The overall status of the update. The status can take one of the following values:
<ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
@see UpgradeStatus",
"setterMethodName": "setUpgradeStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStatus",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStatus",
  "variableType": "String",
  "documentation": "<p>The overall status of the update. The status can take one of the following values:
<ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
@see UpgradeStatus",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getStepsList",
"beanStyleSetterMethodName" : "setStepsList",
"c2jName" : "StepsList",
"c2jShape" : "UpgradeStepsList",
"defaultConsumerFluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

This is a convenience that creates an instance of the { @link List<UpgradeStepItem> } Builder avoiding the need to create one manually via { @link List<UpgradeStepItem>#builder() }.

When the { @link Consumer } completes, { @link List<UpgradeStepItem>.Builder#build() } is called immediately and its result is passed to { @link #stepsList(List<UpgradeStepItem>) }.

@see #stepsList(List<UpgradeStepItem>)

"deprecated" : false,
"documentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"statusCode" : false,
"unmarshallLocationName" : "StepsList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "UpgradeStepItem",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [ @link UpgradeStepItem.Builder] avoiding the need to create one manually via [ @link UpgradeStepItem#builder()].\nWhen the [ @link Consumer] completes, [ @link UpgradeStepItem.Builder#build()] is called immediately and its result is passed to [ @link #member(UpgradeStepItem)].\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(UpgradeStepItem)",
        "deprecated" : false,
        "documentation" : "",
        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "member",
        "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
        "fluentSetterMethodName" : "member",
        "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object."
    }
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "member",
  "variableType" : "UpgradeStepItem",
  "documentation" : null,
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "member",
  "variableType" : "UpgradeStepItem",
  "documentation" : "",
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>
}
,
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.",
"setterMethodName" : "setStepsList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : null,
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeStepItem>",
  "variableName" : "stepsList",
  "variableType" : "java.util.List<UpgradeStepItem>",
  "documentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>",
  "simpleType" : "List<UpgradeStepItem>",
  "variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeHistory",
"simpleMethod" : false,
"unmarshalller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "upgradeHistory",
"variableType": "UpgradeHistory",
"documentation": null,
"simpleType": "UpgradeHistory",
"variableSetterType": "UpgradeHistory"
}
,"wrapper": false
],
"UpgradeStatus": {
"c2jName": "UpgradeStatus",
"customization": {
  "artificialResultWrapper": null,
  "skipGeneratingMarshaller": false,
  "skipGeneratingModelClass": false,
  "skipGeneratingUnmarshaller": false,
  "staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "",
"endpointDiscovery": null,
"enums": [
  {
    "name": "IN_PROGRESS",
    "value": "IN_PROGRESS"
  },
  {
    "name": "SUCCEEDED",
    "value": "SUCCEEDED"
  },
  {
    "name": "SUCCEEDED_WITH_ISSUES",
    "value": "SUCCEEDED_WITH_ISSUES"
  },
  {
    "name": "FAILED",
    "value": "FAILED"
}],
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [],
"membersAsMap": {
  "nonStreamingMembers": [],
  "requestSignerAware": false,
  "requestSignerClassFqcn": null,
  "required": null,
"shapeName" : "UpgradeStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStatus",
  "variableName" : "upgradeStatus",
  "variableType" : "UpgradeStatus",
  "documentation" : null,
  "simpleType" : "UpgradeStatus",
  "variableSetterType" : "UpgradeStatus"
},
"wrapper" : false
},
"UpgradeStep" : {
  "c2jName" : "UpgradeStep",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaler" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscovery" : null,
  "enums" : [ { 
    "name" : "PRE_UPGRADE_CHECK",
    "value" : "PRE_UPGRADE_CHECK"
  }, { 
    "name" : "SNAPSHOT",
    "value" : "SNAPSHOT"
  }, { 
    "name" : "UPGRADE",
    "value" : "UPGRADE"
 } ],
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeStep",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStep",
  "variableName" : "upgradeStep",
  "variableType" : "UpgradeStep",
  "documentation" : null,
  "simpleType" : "UpgradeStep",
  "variableSetterType" : "UpgradeStep"
},
"wrapper" : false
},
"UpgradeStepItem" : {
  "c2jName" : "UpgradeStepItem",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Represents a single step of the Upgrade or Upgrade Eligibility Check workflow.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getUpgradeStepAsString",
    "beanStyleSetterMethodName" : "setUpgradeStep",
    "documentation" : null,
    "hasRequired" : false,
    "name" : "UpgradeStepItem",
    "shapeName" : "UpgradeStepItem",
    "simpleType" : "UpgradeStepItem",
    "variable" : {
      "variableDeclarationType" : "UpgradeStepItem",
      "variableName" : "upgradeStepItem",
      "variableType" : "UpgradeStepItem",
      "documentation" : null,
      "simpleType" : "UpgradeStepItem",
      "variableSetterType" : "UpgradeStepItem"
    }
  }]
"c2jName" : "UpgradeStep",
"c2jShape" : "UpgradeStep",
"defaultConsumerFluentSetterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #upgradeStepAsString(String)].

@return Returns a reference to this object so that method calls can be chained together.
@see #upgradeStep(String)",
"deprecated" : false,
"documentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
</p>
"endpointDiscoveryId" : false,
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterMethodName" : "upgradeStep",
"getterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
If the service returns an enum value that is not available in the current SDK version, [@link #upgradeStep] will return [@link UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #upgradeStepAsString].
</p>

@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep
<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>"n@param upgradeStep

\langle ul\rangle <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> \rangle

 Setting the status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link
The status of a particular step during an upgrade can take one of the following values:

- In Progress
- Succeeded
- Succeeded with Issues
- Failed

If the service returns an enum value that is not available in the current SDK version, `upgradeStepStatusAsString` will return `UpgradeStatus.UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `upgradeStepStatus`.

```java
public class UpgradeStepStatus {
    // Enum values
    public static final UpgradeStatus IN_PROGRESS = new UpgradeStatus("In Progress"),
            SUCCEEDED = new UpgradeStatus("Succeeded"),
            SUCCEEDED_WITH_ISSUES = new UpgradeStatus("Succeeded with Issues"),
            FAILED = new UpgradeStatus("Failed"),
            UNKNOWN_TO_SDK_VERSION = new UpgradeStatus("Unknown to SDK version");

    // Constructor
    private UpgradeStepStatus(String name) {
        this.name = name;
    }

    public String getName() {
        return name;
    }

    // Overridden methods
    @Override
    public String toString() {
        return name;
    }

    // Checked exceptions
    @Override
    public String getDocumentation() {
        return "The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. If the service returns an enum value that is not available in the current SDK version, UpgradeStatus.UNKNOWN_TO_SDK_VERSION will be returned. The raw value returned by the service is available from UpgradeStepStatusAsString."
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatusAsString asString() {
        return new UpgradeStepStatusAsString(name);
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatus updateStatus(String status) {
        this.name = status;
        return this;
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatus updateStatus(UpgradeStepStatus status) {
        this.name = status.getName();
        return this;
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatus updateStatus(int status) {
        UpgradeStepStatus statusValue = UpgradeStepStatus.valueOf(status);
        this.name = statusValue.getName();
        return this;
    }
}
```

```java
public class UpgradeStepStatusAsString {
    private final String name;

    public UpgradeStepStatusAsString(String name) {
        this.name = name;
    }

    public String getName() {
        return name;
    }

    // Overridden methods
    @Override
    public String getDocumentation() {
        return "The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed. If the service returns an enum value that is not available in the current SDK version, UpgradeStatus.UNKNOWN_TO_SDK_VERSION will be returned. The raw value returned by the service is available from UpgradeStepStatusAsString."
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatus updateStatus() {
        UpgradeStepStatus status = UpgradeStepStatus.valueOf(name);
        return status;
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatus updateStatus(UpgradeStepStatus status) {
        this.name = status.getName();
        return this;
    }

    // Additional methods for chaining
    @Override
    public UpgradeStepStatus updateStatus(int status) {
        UpgradeStepStatus statusValue = UpgradeStepStatus.valueOf(status);
        this.name = statusValue.getName();
        return this;
    }
}
```
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStepStatus",
"sensitive" : false,
"setterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the
@see UpgradeStatus",
"setterMethodName" : "setUpgradeStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : "<p> The status of a particular step during an upgrade. The status can take one of the
@see UpgradeStatus",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getIssues",
"beanStyleSetterMethodName" : "setIssues",
"c2jName" : "Issues",
"c2jShape" : "Issues",
"defaultConsumerFluentSetterDocumentation" : "<p>A list of strings containing detailed information about the
errors encountered in a particular step.</p>This is a convenience that creates an instance of the {@link
List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. 
When the
{@link List<String>.Builder#build()} is called immediately and its result is passed
to {@link List<String>.Builder#issues(List<String>)}. 
@see issues a consumer that will call methods on
{@link List<String>.Builder}\n@returns Returns a reference to this object so that method calls can be chained
A list of strings containing detailed information about the errors encountered in a particular step.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

Returns a reference to this object so that method calls can be chained together.

A list of strings containing detailed information about the errors encountered in a particular step.

A list of strings containing detailed information about the errors encountered in a particular step.

@see #issues(List<String>)
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "Issue",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.

return Returns a reference to this object so that method calls can be chained together.

@see #member(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(String)"

return Returns a reference to this object so that method calls can be chained together.

@see #member(String)",
"getterDocumentation" : "Returns the value of the Member property for this object.

@see #member(String)"

return The value of the Member property for this object.

getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;A list of strings containing detailed information about the errors encountered in a particular step.&lt;/p&gt;\n@param issues A list of strings containing detailed information about the errors encountered in a particular step."
"setterMethodName" : "setIssues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : "A list of strings containing detailed information about the errors encountered in a particular step.
  
  </p>
  
  simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getProgressPercent",
"beanStyleSetterMethodName" : "setProgressPercent",
"c2jName" : "ProgressPercent",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "The Floating point value representing progress percentage of a particular step.\nThis is a convenience that creates an instance of the \{@link Double.Builder\} avoiding the need to create one manually via \{@link Double.Builder\}.\nWhen the \{@link Consumer\} completes, \{@link Double.Builder#build\}\()\) is called immediately and its result is passed to \{@link #progressPercent(Double)\}\(\).\n\n@param progressPercent a consumer that will call methods on \{@link Double.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #progressPercent(Double)",
"deprecated" : false,
"documentation" : "The Floating point value representing progress percentage of a particular step.\n\n@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventType" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "progressPercent",
"fluentSetterDocumentation" : "The Floating point value representing progress percentage of a particular step.\n\n@see #progressPercent(Double)",
"fluentSetterMethodName" : "progressPercent",
"getterDocumentation" : "The Floating point value representing progress percentage of a particular step.\n\n@endparam progressPercent\n\n@see #progressPercent(Double)"
"getterModel" : {
    "returnType" : "Double",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ProgressPercent",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProgressPercent",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "ProgressPercent",
"simple" : true,
"simpleType" : "Double",
"setModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "progressPercent",
    "variableType" : "Double",
    "documentation" : null,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "Double",
        "variableName" : "progressPercent",
        "variableType" : "Double",
        "documentation" : null,
        "documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
        @param progressPercent The Floating point value representing progress percentage of a particular step.
    },
    "setterMethodName" : "setProgressPercent",
    "setterModel" : {
        "variableDeclarationType" : "Double",
        "variableName" : "progressPercent",
        "variableType" : "Double",
        "documentation" : null,
        "simple" : true,
        "timestampFormat" : null,
        "variable" : {
            "variableDeclarationType" : "Double",
            "variableName" : "progressPercent",
            "variableType" : "Double",
            "documentation" : null,
            "documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
        }
    }
}
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlnsSpaceUri" : null
] },
"membersAsMap" : {
"Issues" : {
"beanStyleGetterMethodName" : "getIssues",
"beanStyleSetterMethodName" : "setIssues",
"c2jName" : "Issues",
"c2jShape" : "Issues",
"defaultConsumerFluentSetterDocumentation" : "<p>A list of strings containing detailed information about
the errors encountered in a particular step.</p>
This is a convenience that creates an instance of the {
@link List<String>.Builder} avoiding the need to create one manually via {
@link List<String>#builder()}. When the
{@link Consumer} completes, {
@link List<String>.Builder#build()} is called immediately and its result is passed
to {
@link issues(List<String>)}. When the
{@link List<String>.Builder#build()} is called immediately and its result is passed
to {
@link issues(List<String>)}. Returns a reference to this object so that method calls can be chained
together.
@see #issues(List<String>)",
"deprecated" : false,
"documentation" : "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>"
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "issues",
"fluentSetterDocumentation" : "<p>A list of strings containing detailed information about the errors
encountered in a particular step.</p>
@param issues A list of strings containing detailed information about the
errors encountered in a particular step.
@return Returns a reference to this object so that method calls can be
chained together.
@see #issues(List<String>)",
"fluentSetterMethodName" : "issues",
"getterDocumentation" : "<p>A list of strings containing detailed information about the errors
encountered in a particular step.</p>
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.
@return A list of strings containing detailed information about the errors
encountered in a particular step.
@see #issues(List<String>)",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Issues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Issues",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()]. When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [member(String)]
@see #member(String)",
  "deprecated" : false,
  "documentation" : ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false}
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
,"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"sensitive" : false,
"setterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>
@param issues A list of strings containing detailed information about the errors encountered in
a particular step.
",
"setterMethodName" : "setIssues",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "issues",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
    
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "issues",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>
",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
    
",
"xmlNameSpaceUri" : null
},
"ProgressPercent" : {
    "beanStyleGetterMethodName" : "getProgressPercent",
    "beanStyleSetterMethodName" : "setProgressPercent",
    "c2jName" : "ProgressPercent",
    "c2jShape" : "Double",
    "defaultConsumerFluentSetterDocumentation" : "<p>The Floating point value representing progress
percentage of a particular step.</p>

This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link DoubleBuilder}. When the { @link Consumer} completes, { @link DoubleBuilder#build()} is called immediately and its result is passed to { @link
# progressPercent(Double)

@returns a reference to this object so that method calls can be chained together.

The Floating point value representing progress percentage of a particular step.

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The Floating point value representing progress percentage of a particular step.
"setterDocumentation" : "The Floating point value representing progress percentage of a particular step.\n@param progressPercent The Floating point value representing progress percentage of a particular step."
"setterMethodName" : "setProgressPercent",
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 "variableDeclarationType" : "Double",
 "variableName" : "progressPercent",
 "variableType" : "Double",
 "documentation" : null,
 "simpleType" : "Double",
 "variableSetterType" : "Double"
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"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "Double",
 "variableName" : "progressPercent",
 "variableType" : "Double",
 "documentation" : "The Floating point value representing progress percentage of a particular step.
"simpleType" : "Double",
 "variableSetterType" : "Double"
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"xmlNameSpaceUri" : null,
"UpgradeStep" : {
 "beanStyleGetterMethodName" : "getUpgradeStepAsString",
 "beanStyleSetterMethodName" : "setUpgradeStep",
 "c2jName" : "UpgradeStep",
 "c2jShape" : "UpgradeStep",
 "defaultConsumerFluentSetterDocumentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: \n<li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> \n</p>
\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #upgradeStepAsString(String)\}.\n@param upgradeStep a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeStep(String)",
 "deprecated" : false,
 "documentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: \n<li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> \n</p> 
\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #upgradeStepAsString(String)\}.\n@param upgradeStep a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeStep(String)",
 "deprecated" : false,
 "documentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: \n<li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> \n</p>"
"documentation": null,
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"variableSetterType": "String"
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"timestampFormat": null,
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  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul></p>",
  "simpleType": "String",
  "variableSetterType": "String"
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"xmlNameSpaceUri": null
},
"UpgradeStepStatus": {
  "beanStyleGetterMethodName": "getUpgradeStepStatusAsString",
  "beanStyleSetterMethodName": "setUpgradeStepStatus",
  "c2jName": "UpgradeStepStatus",
  "c2jShape": "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation": "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul> This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link UpgradeStepStatusAsString(String)}.

  @param upgradeStepStatus a consumer that will call methods on { @link String.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  @see UpgradeStepStatusAsString(String)
  @deprecated" false,
  "documentation": "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul></p>",
  "endpointDiscoveryId": false,
  "enumType": "UpgradeStatus",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "upgradeStepStatus",
  "fluentEnumSetterMethodName": "upgradeStepStatus",
  "fluentGetterMethodName": "upgradeStepStatusAsString",
  "fluentSetterDocumentation": "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul></p>",
  "endpointDiscoveryId": false,
  "enumType": "UpgradeStatus",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "upgradeStepStatus",
  "fluentEnumSetterMethodName": "upgradeStepStatus",
  "fluentGetterMethodName": "upgradeStepStatusAsString",
  "fluentSetterDocumentation": "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
  @param upgradeStepStatus The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
  @see UpgradeStatus
  @return Returns a reference to this object so that method calls can be chained together.
  @see UpgradeStatus",
  "fluentSetterMethodName": "upgradeStepStatus"
"getterDocumentation": "The status of a particular step during an upgrade. The status can take one of the following values: "In Progress", "Succeeded", "Succeeded with Issues", "Failed". If the service returns an enum value that is not available in the current SDK version, the UpgradeStepStatus will return UpgradeStatus#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from UpgradeStepStatusAsString.

@return The status of a particular step during an upgrade. The status can take one of the following values: "In Progress", "Succeeded", "Succeeded with Issues", "Failed"

@see UpgradeStatus",

"SetterDocumentation": "The status of a particular step during an upgrade. The status can take one of the following values: "In Progress", "Succeeded", "Succeeded with Issues", "Failed". The status can take one of the following values: "In Progress", "Succeeded", "Succeeded with Issues", "Failed"

@param upgradeStepStatus The status of a particular step during an upgrade. The status can take one of the following values: "In Progress", "Succeeded", "Succeeded with Issues", "Failed"

@see UpgradeStatus"
"simpleType": "String",
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"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStepStatus",
  "variableType": "String",
  "documentation": "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
<p>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link upgradeStepAsString(String)}.

@see UpgradeStep
@return Returns a reference to this object so that method calls can be chained together.
@see #upgradeStepAsString(String)",
"deprecated": false,
"documentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>";
"endpointDiscoveryId": false,
"enumType": "UpgradeStep",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "upgradeStep",
"fluentEnumSetterMethodName": "upgradeStep",
"fluentGetterMethodName": "upgradeStepAsString",
"fluentSetterDocumentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>\n@see UpgradeStep
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStep",
"fluentSetterMethodName": "upgradeStep",
"getterDocumentation": "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>\nIf the service
returns an enum value that is not available in the current SDK version, {@link #upgradeStep} will return {@link UpgradeStep#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #upgradeStepAsString}.<p>@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>@see UpgradeStep,
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeStep",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul><li>PreUpgradeCheck</li><li>Snapshot</li><li>Upgrade</li></ul>@see UpgradeStep,
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getUpgradeStepStatusAsString",
  "beanStyleSetterMethodName" : "setUpgradeStepStatus",
  "c2jName" : "UpgradeStepStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, [{@link String.Builder#build()} is called immediately and its result is passed to [{@link UpgradeStepStatusAsString(String)}].
@returns a consumer that will call methods on {String.Builder}
@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together."
  "deprecated" : false,
  "documentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>
  "endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStepStatus",
  "fluentEnumSetterMethodName" : "upgradeStepStatus",
  "fluentGetterMethodName" : "upgradeStepStatusAsString",
  "fluentSetterMethodName" : "upgradeStepStatus",
  "fluentSetterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>
  "endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStepStatus",
  "fluentEnumSetterMethodName" : "upgradeStepStatus",
  "fluentGetterMethodName" : "upgradeStepStatusAsString",
  "fluentSetterMethodName" : "upgradeStepStatus",
  "getterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>

If the service returns an enum value that is not available in the current SDK version, [{@link UpgradeStatus}] will return [{UNKNOWN_TO_SDK_VERSION}]. The raw value returned by the service is available from [{UpgradeStepStatusAsString}].
@returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus
@returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStatus
{return Returns a reference to this object so that method calls can be chained together.}"
  "deprecated" : false,
  "documentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>
  "endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
</ul>

@see UpgradeStatus",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStepStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeStepStatus",
  "uri" : false
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"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "UpgradeStepStatus",

"setterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed."

@param upgradeStepStatus The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

@see UpgradeStatus",

"setterMethodName" : "setUpgradeStepStatus",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
The status of a particular step during an upgrade. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

A list of strings containing detailed information about the errors encountered in a particular step. This is a convenience that creates an instance of the List<String> avoiding the need to create one manually via List<String>#builder(). When the List completes, List<String>.Builder#build() is called immediately and its result is passed to List<String>.Builder#issues(List<String>)\n
A list of strings containing detailed information about the errors encountered in a particular step. A list of strings containing detailed information about the errors encountered in a particular step.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

A list of strings containing detailed information about the errors encountered in a particular step.
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Issues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Issues",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()]
is called immediately and its result is passed to [@link #member(String)].
@see #member(String)
"param member a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls
can be chained together.
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@return Returns a reference to this object so that method
calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "String",
  },
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()]
is called immediately and its result is passed to [@link #member(String)].
@see #member(String)
"param member a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls
can be chained together.
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@return Returns a reference to this object so that method
calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "String",
  },
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()]
is called immediately and its result is passed to [@link #member(String)].
@see #member(String)
"param member a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls
can be chained together.
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"simple" : true,
"simpleType" : "String",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
A list of strings containing detailed information about the errors encountered in a particular step.

```
@param issues A list of strings containing detailed information about the errors encountered in a particular step.
```

```
setterMethodName" : "setIssues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlnsNamespaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"}
This is a convenience that creates an instance of the `Double.Builder` avoiding the need to create one manually via `Double.builder()`. When the `Consumer` completes, `Double.Builder.build()` is called immediately and its result is passed to `progressPercent(Double)`. @param progressPercent a consumer that will call methods on `Double.Builder` @return Returns a reference to this object so that method calls can be chained together. @see #progressPercent(Double)
"marshallingType" : "DOUBLE",
"name" : "ProgressPercent",
"sensitive" : false,
"setterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
@param progressPercent The Floating point value representing progress percentage of a particular step.",
"setterMethodName" : "setProgressPercent",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "progressPercent",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "progressPercent",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeStepItem",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "upgradeStepItem",
  "variableType" : "UpgradeStepItem",
  "documentation" : null,
  "simpleType" : "UpgradeStepItem",
  "variableSetterType" : "UpgradeStepItem"
},
"wrapper" : false
},
"VPCDerivedInfo" : {
  "c2jName" : "VPCDerivedInfo",
  "customization" : {
  "..."
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"> VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {  
"beanStyleGetterMethodName" : "getVpcId",
"beanStyleSetterMethodName" : "setVpcId",
"c2jName" : "VPCId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #vpcId(String)}.
@param vpcId a consumer that will call methods on { @link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #vpcId(String)"
"deprecated" : false,
"documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcId",
"fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n\nWhen the \{ @link String.Builder\#build\} is called immediately and its result is passed to \{ @link #vpcId(String)\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #vpcId(String)"
"fluentSetterMethodName" : "vpcId",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"getterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@return The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
" sensitive" : false,
"setterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setVpcId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {


"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultValueFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #subnetIds(List<String>)}.

@see #subnetIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds",
"fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>

@see #subnetIds(List<String>)

@returns Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
"fluentSetterMethodName" : "subnetIds",
"getterDocumentation" : "<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

@returns Specifies the subnets for VPC endpoint.
@see #subnetIds(List<String>)",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"敏感" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",&

"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},

"simple" : false,
"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},

"xmlNameSpaceUri" : null

},

"beanStyleGetterMethodName" : "getAvailabilityZones",
"beanStyleSetterMethodName" : "setAvailabilityZones",
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",

"defaultConsumerFluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

This is a convenience that creates an instance of the [ @link List<String>.Builder] avoiding the need to create one manually via [ @link List<String>#builder()].

When the [ @link Consumer] completes, [ @link List<String>.Builder#build()] is called immediately and its result is passed to [ @link #availabilityZones(List<String>)].

@returns Returns a reference to this object so that method calls can be chained together.

@see #availabilityZones(List<String>)

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"deprecated" : false,
"documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "availabilityZones",
"fluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "availabilityZones",
"getterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AvailabilityZones",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AvailabilityZones",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
"getMemberModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",}
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #member(String)\}.\n\n@param member a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nSets the value of the Member property for this object.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #member(String)\}.\n\n@param member a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\nReturns the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AvailabilityZones",
"sensitive" : false,
"setterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p><p>@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n\nsetterMethodName" : "setAvailabilityZones",
"setterMethodName" : "setAvailabilityZones",

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"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "Specifies the security groups for VPC endpoint.
This is a convenience that creates an instance of the List<String>.Builder avoiding the need to create one manually via List<String>#builder(). When the Consumer completes, List<String>.Builder#build() is called immediately and its result is passed to #securityGroupIds.
@param securityGroupIds a consumer that will call methods on List<String>.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #securityGroupIds(List<String>)",
"deprecated" : false,
"documentation" : "Specifies the security groups for VPC endpoint.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Specifies the security groups for VPC endpoint.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "Specifies the security groups for VPC endpoint.
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #securityGroupIds(List<String>)",
"endpoint" : null,
"endpointServices" : null,
"endpointVersion" : null,
"endpointDiscoveryId" : null,
"endpointAddressingMode" : null,
"endpointOptions" : null,
"endpointAddressingModeOptions" : null,
"endpointServicesOptions" : null,
"endpointOptionsOptions" : null,
"endpointAddressingModeOptionsOptions" : null,
"endpointServicesOptionsOptions" : null,
"endpointOptionsOptionsOptions" : null,
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"endpointOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointServicesOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"endpointAddressingModeOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptionsOptions" : null,
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "SecurityGroupIds",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SecurityGroupIds",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.
    This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create
    one manually via { @link String#builder() }.
    When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to
    { @link #member(String) }.
    @param member a consumer that will call methods on { @link String.Builder }.
    @return Returns a reference to this object so that method calls can be chained together.
    @see #member(String)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "member",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.
    @param member"}
The new value for the Member property for this object.

```
@returns

Returns a reference to this object so that method calls can be chained together.
",

"getFluentSetterMethodName" : "member",

"getGetDocumentation" : "Returns the value of the Member property for this object.

@returns

The value of the Member property for this object.
",

"getGetModel" : {

"getReturnType" : "String",

"getDocumentation" : null
}


",

"getHttp" : {

"getAdditionalMarshallingPath" : null,

"getAdditionalUnmarshallingPath" : null,

"getFlattened" : false,

"getGreedy" : false,

"getHeader" : false,

"getIsPayload" : false,

"getIsStreaming" : false,

"getLocation" : null,

"getMarshallingLocation" : "PAYLOAD",

"getMarshallingLocationName" : "member",

"getQueryString" : false,

"getStatusCode" : false,

"getUnmarshallingLocationName" : "member",

"getUri" : false
}

",

"getIdempotencyToken" : false,

"getIsBinary" : false,

"getJsonValue" : false,

"getList" : false,

"getListModel" : null,

"getMap" : false,

"getMapModel" : null,

"getMarshallingType" : "STRING",

"getName" : "Member",

"getSensitive" : false,

"getSetterDocumentation" : "Sets the value of the Member property for this object.

@returns

@returns

The new value for the Member property for this object.
",

"getSetterMethodName" : "setMember",

"getSetterModel" : {

"getVariableDeclarationType" : "String",

"getVariableName" : "member",

"getVariableType" : "String",

"getDocumentation" : null,

"getSimpleType" : "String",

"getVariableSetterType" : "String"
}

",

"getSimple" : true,

"getTimestampFormat" : null,

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"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p><p>@param securityGroupIds Specifies the security groups for VPC endpoint.</p>",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "securityGroupIds",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "securityGroupIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
]
"membersAsMap": {
  "AvailabilityZones": {
    "beanStyleGetterMethodName": "getAvailabilityZones",
    "beanStyleSetterMethodName": "setAvailabilityZones",
    "c2jName": "AvailabilityZones",
    "c2jShape": "StringList",
    "defaultConsumerFluentSetterDocumentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions. This is a convenience that creates an instance of the @link List<String>.Builder avoiding the need to create one manually via @link List<String>#builder(). When the @link Consumer completes, @link List<String>.Builder#build() is called immediately and its result is passed to @link availabilityZones(List<String>) a consumer that will call methods on @link List<String>.Builder\n@returns a reference to this object so that method calls can be chained together.\n@see #availabilityZones(List<String>)",
    "deprecated": false,
    "documentation": "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."
  },
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "availabilityZones",
  "fluentSetterDocumentation": "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n@returns a reference to this object so that method calls can be chained together."
  },
  "getterDocumentation": "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."
},
"getterModel": {
  "returnType": "java.util.List<String>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AvailabilityZones",
  "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZones",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [{@link String.Builder}] avoiding the need to create one manually via [{@link String.Builder}].\nWhen the [{@link Consumer}] completes, [{@link String.Builder#build()}] is called immediately and its result is passed to [{@link #member(String)}].\n\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(String)\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)"
  }
}
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"simple" : true,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

- param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

Specifies the security groups for VPC endpoint. This is a convenience that creates an instance of the List<String>.Builder avoiding the need to create one manually via List<String>#builder(). When the Consumer completes, List<String>#build() is called immediately and its result is passed to SecurityGroupIds a consumer that will call methods on SecurityGroupIds(List<String>)

- @return Returns a reference to this object so that method calls can be chained together.

- @see SecurityGroupIds(List<String>)

Deprecated: false

documentation" : "<p>Specifies the security groups for VPC endpoint.</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param
securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return Specifies the security groups for VPC endpoint.",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object."
"This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create
one manually via `String#builder()`.

When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `#member(String)`.

@see #member(String)

@param member a consumer that will call methods on `String.Builder`
@return Returns a reference to this object so that method calls can be chained together.

```

The new value for the Member property for this object.

@see #member(String)

```

@return Returns a reference to this object so that method calls can be chained together.

The value of the Member property for this object.

@see #member(String)

```

```
"setterDocumentation" : "Sets the value of the Member property for this object. 

@param member The new value for the Member property for this object. 

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>

@param securityGroupIds Specifies the security groups for VPC endpoint.

"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>"}
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
"SubnetIds" : {
  "beanStyleGetterMethodName" : "getSubnetIds",
  "beanStyleSetterMethodName" : "setSubnetIds",
  "c2jName" : "SubnetIds",
  "c2jShape" : "StringList",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  This is a convenience that creates an instance of the {link List<String>.Builder} avoiding the need to create one manually
  via {link List<String>#builder()}. When the {link Consumer} completes, {link List<String>.Builder#build()} is called immediately and its result is passed to
  {link #subnetIds(List<String>)}.
  <p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
  @param subnetIds a consumer that will call methods on {link List<String>.Builder} a consumer that will call methods on
  Returns a reference to this object so that method calls can be chained together.</p>
  @return Returns a reference to this object so that method calls can be chained together.
  @see #subnetIds(List<String>)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "subnetIds",
  "fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  @param subnetIds Specifies the subnets for VPC endpoint.
  @return Returns a reference to this object so that method calls can be chained together.
  "getterSetterMethodName" : "subnetIds",
  "getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
  @return Specifies the subnets for VPC endpoint.
  "getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SubnetIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create
one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link
String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}\n\n@param member a consumer that will call methods on { @link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of the Member property for this object.",
  "getterModel" : [
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String"}
"variableSetterType" : "String",
]
,"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
],
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "subnetIds",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "subnetIds",
 "variableType" : "java.util.List<String>",
 "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"xmlNameSpaceUri" : null
],
"VPCId" : {
 "beanStyleGetterMethodName" : "getVpcId",
 "beanStyleSetterMethodName" : "setVpcId",
 "c2jName" : "VPCId",
 "c2jShape" : "String",
 "defaultConsumerFluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if
the domain was created with VPCOptions.

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.

When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #vpcId(String)\}.

@returns Returns a reference to this object so that method calls can be chained together.

\param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

\param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

\returns Returns a reference to this object so that method calls can be chained together.

\param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

\returns Returns a reference to this object so that method calls can be chained together.

\param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

\returns Returns a reference to this object so that method calls can be chained together.

\param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

\returns Returns a reference to this object so that method calls can be chained together.

\param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
"sensitive" : false,
"setterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@see @param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setVpcId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "vpcId",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "vpcId",
   "variableType" : "String",
   "documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
   "beanStyleGetterMethodName" : "getVpcId",
   "beanStyleSetterMethodName" : "setVpcId",
   "c2jName" : "VPCId",
   "c2jShape" : "String",
   "defaultConsumerFluentSetterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #vpcId(String)}. When @param vpcId a consumer that will call methods on { @link String.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #vpcId(String)",
   "deprecated" : false,
   "documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
   "endpointDiscoveryId" : false,
   "enumType" : null,
   "eventIdHeader" : false,
"variableName": "vpcId",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "vpcId",
"variableType": "String",
"documentation": "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"simpleType": "String",
"variableSetterType": "String"
}
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getSubnetIds",
"beanStyleSetterMethodName": "setSubnetIds",
"c2jName": "SubnetIds",
"c2jShape": "StringList",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
This is a convenience that creates an instance of the {
@link List<String>.Builder} avoiding the need to create one manually
via {
@link List<String>#builder()}. When the {
@link Consumer} completes, {
@link List<String>.Builder#build()} is called immediately and its result is passed to {
@link List<String>.Builder|\@param subnetIds a consumer that will call methods on {
@link List<String>.Builder|\@see #subnetIds(List<String>)}.

"deprecated": false,
"documentation": "<p>Specifies the subnets for VPC endpoint.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "subnetIds",
"fluentSetterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
\@param subnetIds Specifies the subnets for VPC endpoint.\@return Returns a reference to this object so that method calls can be chained
together."
,"fluentSetterMethodName": "subnetIds",
"getterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
\@param subnetIds Specifies the subnets for VPC endpoint.\@return Attempts to modify the
collection returned by this method will result in an UnsupportedOperationException.\@return Specifies the
subnets for VPC endpoint."
,"getterModel": {
"returnType": "java.util.List<String>"}
"documentation": null,
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "SubnetIds",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SubnetIds",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #member(String)}.

@param member a consumer that will call methods on {link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
".}
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returs the value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",}
"variableName": "member",
"variableType": "String",
"documentation": 
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>
}
],
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SubnetIds",
"sensitive": false,
"setterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p><param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName": "setSubnetIds",
"setterModel": {

"variableDeclarationType": "java.util.List<String>",
"variableName": "subnetIds",
"variableType": "java.util.List<String>",
"documentation": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
}
},
"simple": false,
"timestampFormat": null,
"variable": {

"variableDeclarationType": "java.util.List<String>",
"variableName": "subnetIds",
"variableType": "java.util.List<String>",
"documentation": "<p>Specifies the subnets for VPC endpoint.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>
}
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getAvailabilityZones",
"beanStyleSetterMethodName": "setAvailabilityZones"
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link #availabilityZones(List<String>)}. param availabilityZones a consumer that will call methods on { @link List<String>.Builder}\n@return Returns a reference to this object so that method calls can be chained together. see #availabilityZones(List<String>)",

deprecated" : false,
"documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "availabilityZones",
"fluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "availabilityZones",
"getterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

@see #availabilityZones(List<String>)",

"getterModel" : {
    "returnType" : "java.util.List<String>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AvailabilityZones",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AvailabilityZones",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }. @param member a consumer that will call methods on { @link String.Builder } @return Returns a reference to this object so that method calls can be chained together.@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getDocumentation" : "Returns the value of the Member property for this object.@return The value of the Member property for this object."
  }},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member"}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
}
null}

"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #securityGroupIds(List<String>)}. A consumer that will call methods on {@link List<String>.Builder} is passed. A return reference to this object so that method calls can be chained together.<n@see #securityGroupIds(List<String>)"",
"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>"",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Specifies the security groups for VPC endpoint.

Sets the value of the Member property for this object. This is a convenience that creates an instance of the custom String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, member(String) is called immediately and its result is passed to the method that called on this object so that method calls can be chained together.

@see #member(String)

@deprecated

"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the custom String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, member(String) is called immediately and its result is passed to the method that called on this object so that method calls can be chained together.

@see #member(String)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;Specifies the security groups for VPC endpoint.&lt;/p&gt;&lt;ul&gt;\param securityGroupIds Specifies the security groups for VPC endpoint.&lt;/ul&gt;",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
] ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VPCDerivedInfo",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "VPCDerivedInfo",
"variableName" : "vpcDerivedInfo",
"variableType" : "VPCDerivedInfo",
"documentation" : null,
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
},
"wrapper" : false
],
"VPCDerivedInfoStatus" : {
"c2jName" : "VPCDerivedInfoStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p> Status of the VPC options for the specified Elasticsearch domain.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
	"beanStyleGetterMethodName" : "getOptions",
	"beanStyleSetterMethodName" : "setOptions",
	"c2jName" : "Options",
	"c2jShape" : "VPCDerivedInfo",
	"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.\nThis is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo#builder()}.\nWhen the {@link Consumer} completes, {@link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {@link #options(VPCDerivedInfo)}.\n@param options a consumer that will call methods on {@link VPCDerivedInfo.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(VPCDerivedInfo)",
	"deprecated" : false,
	"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.\n</p>",
	"endpointDiscoveryId" : false,
	"enumType" : null,
	"eventHeader" : false,
	"eventPayload" : false,
	"fluentEnumGetterMethodName" : null,
	"fluentEnumSetterMethodName" : null,
	"fluentGetterMethodName" : "options",
	"fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.\n</p>\n@param options Specifies the VPC options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.",
	"fluentSetterMethodName" : "options",
	"getterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.\n</p>\n@return Specifies the VPC options for the specified Elasticsearch domain.",
	"getterModel" : {
	"returnType" : "VPCDerivedInfo",
	"documentation" : null
	},
	"http" : {
	"additionalMarshallingPath" : null,
	"additionalUnmarshallingPath" : null,
	"flattened" : false,
	"greedy" : false,
	"header" : false,
	"isPayload" : false,
	"isStreaming" : false,
	"location" : null,
	"marshallLocation" : "PAYLOAD",
	"marshallLocationName" : "Options",
	"queryString" : false,
	"statusCode" : false,
	"unmarshallLocationName" : "Options",}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"isSensitive" : false,
"setterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"isSimple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>

This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

@param status a consumer that will call methods on { @link OptionStatus.Builder}.
@see #status(OptionStatus)",
"isDeprecated" : false,
"documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.
</p>\n@param status Specifies the status of the VPC options for the specified Elasticsearch domain.
\n@return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.
</p>\n@return Specifies the status of the VPC options for the specified Elasticsearch domain.
",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.
</p>\n@param status Specifies the status of the VPC options for the specified Elasticsearch domain.
",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "documentation" : null
}
"variableName": "status",
"variableType": "OptionStatus",
"documentation": null,
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>",
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
"Options": {
"beanStyleGetterMethodName": "getOptions",
"beanStyleSetterMethodName": "setOptions",
"c2jName": "Options",
"c2jShape": "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the VPC options for the specified Elasticsearch domain. 
This is a convenience that creates an instance of the { @link VPCDerivedInfo.Builder} avoiding the need to create one manually via { @link VPCDerivedInfo.Builder#build()}.

When the { @link Consumer} completes, { @link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to { @link #options(VPCDerivedInfo)}.
@param options a consumer that will call methods on { @link VPCDerivedInfo.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #options(VPCDerivedInfo)",
"deprecated": false,
"documentation": "<p> Specifies the VPC options for the specified Elasticsearch domain. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterDocumentation": "<p> Specifies the VPC options for the specified Elasticsearch domain. </p>
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "options",
"getterDocumentation": "<p> Specifies the VPC options for the specified Elasticsearch domain. </p>
@returns Specifies the VPC options for the specified Elasticsearch domain.",
"getterModel": {
"returnType": "VPCDerivedInfo",}
"documentation" : null,
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.\n</p>@param options Specifies the VPC options for the specified Elasticsearch domain.\n",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.\n</p>\n",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
"xmlNameSpaceUri" : null
},
"Status" : {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus.Builder#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.
@param status a consumer that will call methods on { @link OptionStatus.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"header" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together. 
"fluentSetterMethodName" : "status",
"getDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>
@get returns Specifies the status of the VPC options for the specified Elasticsearch domain. 
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status"},
"setDocumentation" : null,
"setReturnLocation" : null,
"setReturnName" : null,
"setReturnScope" : null,
"deprecated" : false,
"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
@return Specifies the VPC options for the specified Elasticsearch domain.",
"getterModel" : {
  "returnType" : "VPCDerivedInfo",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
?idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Specifies the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions"
"setterModel" : {
    "variableDeclarationType" : "VPCDerivedInfo",
    "variableName" : "options",
    "variableType" : "VPCDerivedInfo",
    "documentation" : null,
    "simpleType" : "VPCDerivedInfo",
    "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "VPCDerivedInfo",
    "variableName" : "options",
    "variableType" : "VPCDerivedInfo",
    "documentation" : "Specifies the VPC options for the specified Elasticsearch domain.\n\nThis is a convenience that creates an instance of the \{@link OptionStatus.Builder\} avoiding the need to create one manually via \{@link OptionStatus.Builder#build()\}.\n\nWhen the \{@link Consumer\} completes, \{@link OptionStatus.Builder#build()\} is called immediately and its result is passed to \{@link OptionStatus.Builder#status(OptionStatus)\}.\n\n@see #status(OptionStatus)",
    "deprecated" : false,
    "documentation" : "Specifies the status of the VPC options for the specified Elasticsearch domain.\n\n\nWhen the \{@link Consumer\} completes, \{@link OptionStatus.Builder#build()\} is called immediately and its result is passed to \{@link OptionStatus.Builder#status(OptionStatus)\}.\n\n@see #status(OptionStatus)",
    "endpointDiscoveryId" : null,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "status",
    "fluentSetterMethodName" : "status",
    "fluentSetterDocumentation" : "Specifies the status of the VPC options for the specified Elasticsearch domain.\n\n\nWhen the \{@link Consumer\} completes, \{@link OptionStatus.Builder#build()\} is called immediately and its result is passed to \{@link OptionStatus.Builder#status(OptionStatus)\}.\n\n@see #status(OptionStatus)",
    "getterDocumentation" : "Specifies the status of the VPC options for the specified Elasticsearch domain.\n\n\nWhen the \{@link Consumer\} completes, \{@link OptionStatus.Builder#build()\} is called immediately and its result is passed to \{@link OptionStatus.Builder#status(OptionStatus)\}.\n\n@see #status(OptionStatus)",
    "getterModel" : {
        "returnType" : "OptionStatus",
        "getterName" : "status",
        "documentation" : null,
        "simpleType" : "OptionStatus",
        "variableSetterType" : "OptionStatus"
    }
};
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>\n@param status Specifies the status of the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "VPCDerivedInfoStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcDerivedInfoStatus",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"wrapper" : false
},
"VPCOptions" : {
  "c2jName" : "VPCOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"> VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [ }
}
"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p> This is a
convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually
via {@code List<String>#builder()}. When the {@link Consumer} completes, the {@code List<String>.Builder#build()} is called immediately and its result is passed to
the call methods on a consumer that will call methods on
Mr
"deprecated" : false,
"documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds",
"fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies
the subnets for VPC endpoint.<br>@return Returns a reference to this object so that method calls can be chained
together.<br>@see #subnetIds(List<String>)",
"fluentSetterMethodName" : "subnetIds",
"getterDocumentation" : "<p>Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.<br>@return Specifies the subnets for VPC endpoint.<br>Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.<br>@return Specifies the subnets for VPC endpoint.</p>",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SubnetIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.builder()].

When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [String#member(String)].

@see #member(String)

@deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)

@deprecated" : false,
"endpointDiscoveryId" : false,
"documentation" : "",
"eventHeader" : false,
"eventPayload" : false,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@\param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>
  @param subnetIds Specifies the subnets for VPC endpoint.",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>@param securityGroupIds a consumer that will call methods on @link String#builder() returns a reference to this object so that method calls can be chained together.@see #securityGroupIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>
  @param securityGroupIds a consumer that will call methods on @link String#builder() when the @link Consumer completes, @link List<String>.Builder.build() is called immediately and its result is passed to @link List<SecurityGroupIds.List<String>>.param securityGroupIds a consumer that will call methods on @link String.Builder@return Returns a reference to this object so that method calls can be chained together.@see #securityGroupIds(List<String>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>@param securityGroupIds a consumer that will call methods on @link String#builder() when the @link Consumer completes, @link List<String>.Builder.build() is called immediately and its result is passed to @link List<SecurityGroupIds.List<String>>.param securityGroupIds a consumer that will call methods on @link String.Builder@return Returns a reference to this object so that method calls can be chained together.@see #securityGroupIds(List<String>)"
securityGroupIds Specifies the security groups for VPC endpoint.

@return Returns a reference to this object so that method calls can be chained together."

"getterSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "<p>Specifies the security groups for VPC endpoint. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>"

@return Specifies the security groups for VPC endpoint.

"getterModel" : {
   "returnType" : "java.util.List<String>",
   "documentation" : null
  },
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "SecurityGroupIds",
   "queryString" : false,
   "statusCodes" : [false],
   "unmarshallLocationName" : "SecurityGroupIds",
   "uri" : false
  },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
   "implType" : "java.util.ArrayList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "String",
      "defaultConsumerSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the (\@link String.Builder) avoiding the need to create one manually via (\@link String.builder()). When the (\@link Consumer) completes, (\@link String.Builder#build()) is called immediately and its result is passed to (\@link #member(String)).\n\n@param member a consumer that will call methods on (\@link String.Builder)\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)"
   }
   },
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\n@\n@\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.\n\n@\n\n@return The value of the Member property for this object.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"ListModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@\n@\n@param member The new value for the Member property for this object.\n\n@\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "member",
"variableType": "String"}
Specifies the security groups for VPC endpoint.

### setterMethodName

```
"setSecurityGroupIds",
```

### setMethodModel

```
{  
  "variableDeclarationType" : "java.util.List<String>",  
  "variableName" : "securityGroupIds",  
  "variableType" : "java.util.List<String>",  
  "documentation" : null,  
  "simple" : false,  
  "timestampFormat" : null,  
  "variable" : {  
    "variableDeclarationType" : "java.util.List<String>",  
    "variableName" : "securityGroupIds",  
    "variableType" : "java.util.List<String>",  
    "documentation" : null,  
    "simple" : false,  
    "timestampFormat" : null,  
    "variable" : {  
      "variableDeclarationType" : "java.util.List<String>",  
      "variableName" : "securityGroupIds",  
      "variableType" : "java.util.List<String>",  
      "documentation" : null,  
      "simple" : false,  
      "timestampFormat" : null,  
      "variable" : {  
        "variableDeclarationType" : "java.util.List<String>",  
        "variableName" : "securityGroupIds",  
        "variableType" : "java.util.List<String>",  
      }  
    }  
  }  
}
```
"documentation": "<p>Specifies the security groups for VPC endpoint.</p>",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>",
"xmlNameSpaceUri": null
},
"membersAsMap": {
"SecurityGroupIds": {
"beanStyleGetterMethodName": "getSecurityGroupIds",
"beanStyleSetterMethodName": "setSecurityGroupIds",
"c2jName": "SecurityGroupIds",
"c2jShape": "StringList",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the security groups for VPC endpoint.<br>This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.
When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link List<String>(List<String>)}. @param securityGroupIds a consumer that will call methods on {@link List<String>.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #securityGroupIds(List<String>)">
"deprecated": false,
"documentation": "<p>Specifies the security groups for VPC endpoint.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "securityGroupIds",
"fluentSetterDocumentation": "<p>Specifies the security groups for VPC endpoint.
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName": "securityGroupIds",
"getterDocumentation": "<p>Specifies the security groups for VPC endpoint.</p>",
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create one manually via [ @link String#builder() ]. When the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #member(String) ].

`@param member a consumer that will call methods on [ @link String.Builder ]

`@return Returns a reference to this object so that method calls can be chained together.

`@see #member(String)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object."

`@param member

The new value for the Member property for this object.

`@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object."

`@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"sensitive" : false,
"setterDocumentation" : 
<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds
Specifies the security groups for VPC endpoint.
,"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : 
<p>Specifies the security groups for VPC endpoint.</p>
","variableSetterType" : "java.util.Collection<String>
},
"xmlNameSpaceUri" : null
},
"SubnetIds" : {
"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : 
<p>Specifies the subnets for VPC endpoint.</p>
This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link #subnetIds(List<String>)}. @param subnetIds a consumer that will call methods on { @link List<String>.Builder}.
@see #subnetIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds",
"fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds
Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "subnetIds",
"getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Specifies the subnets for VPC endpoint.",
"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "SubnetIds",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SubnetIds",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
 "implType" : "java.util.ArrayList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "beanStyleGetterMethodName" : "getMember",
 "beanStyleSetterMethodName" : "setMember",
 "c2jName" : "member",
 "c2jShape" : "String",
 "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `member(String)`.

@see #member(String)
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@\param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SubnetIds",
"sensitive": false,
"setterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
@\param subnetIds Specifies the subnets for VPC endpoint."
"setterMethodName": "setSubnetIds",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "subnetIds",
  "variableType": "java.util.List<String>",
  "documentation": null,
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "java.util.List<String>",
"variableName": "subnetIds",
"variableType": "java.util.List<String>",
"documentation": "<p>Specifies the subnets for VPC endpoint.</p>
This is a convenience that creates an instance of the {\link List<String>.Builder} avoiding the need to create one manually via {\link List<String>#builder()}. When the {\link Consumer} completes, {\link List<String>.Builder#build()} is called immediately and its result is passed to {\link List<String>#subnetIds(List<String>)}. 
@param subnetIds a consumer that will call methods on {\link List<String>.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
"deprecated": false,
"documentation": "<p>Specifies the subnets for VPC endpoint.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Specifies the subnets for VPC endpoint.
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"xmlNameSpaceUri": null}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "SubnetIds",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SubnetIds",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"ListModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #member(String)\}.\n\n@param member a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
  "deprecated": false,
  "documentation": ",",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "member",
  "getterDocumentation": "Returns the value of the Member property for this object.\n\n@see #member(String)"}
the Member property for this object.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n
@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String"}
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint."
,"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getSecurityGroupIds",
  "beanStyleSetterMethodName" : "setSecurityGroupIds",
  "c2jName" : "SecurityGroupIds",
  "c2jShape" : "StringList"
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the security groups for VPC endpoint.</p>

This is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to create one manually via [@link List<String>#builder()].

When the [@link Consumer] completes, [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link List<String>.Builder#build()].

@param securityGroupIds a consumer that will call methods on [@link List<String>.Builder]

@see #securityGroupIds(List<String>)",

"deprecated": false,

"documentation": "<p>Specifies the security groups for VPC endpoint.</p>

@param securityGroupIds Specifies the security groups for VPC endpoint.

@return Returns a reference to this object so that method calls can be chained together.

@see #securityGroupIds(List<String>)",

"endpointDiscoveryId": false,

"enumType": null,

"eventHeader": false,

"eventPayload": false,

"fluentEnumGetterMethodName": null,

"fluentEnumSetterMethodName": null,

"fluentGetterMethodName": "securityGroupIds",

"fluentSetterDocumentation": "<p>Specifies the security groups for VPC endpoint.</p>

@param securityGroupIds Specifies the security groups for VPC endpoint.

@return Returns a reference to this object so that method calls can be chained together.

@see #securityGroupIds(List<String>)",

"getterDocumentation": "<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

@return Specifies the security groups for VPC endpoint.

getterModel": {

"returnType": "java.util.List<String>",

"documentation": null

},

"http": {

"additionalMarshallingPath": null,

"additionalUnmarshallingPath": null,

"flattened": false,

"greedy": false,

"header": false,

"isPayload": false,

"isStreaming": false,

"location": null,

"marshallLocation": "PAYLOAD",

"marshallLocationName": "SecurityGroupIds",

"queryString": false,

"statusCode": false,

"unmarshallLocationName": "SecurityGroupIds",

"uri": false

},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": true,

"listModel": {

"additionalMarshallingPath": null,

"additionalUnmarshallingPath": null,
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "String",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)].

@returns returns a reference to this object so that method calls can be chained together.

@see #member(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"defaultValueSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder#builder()]. When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #member(String)].

@returns returns a reference to this object so that method calls can be chained together.

@see #member(String)",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.

@returns returns a reference to this object so that method calls can be chained together.

@see #member(String)",
"getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.

@see #member(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
}.
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SecurityGroupIds",
"sensitive": false,
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>\n@param securityGroupIds
Specifies the security groups for VPC endpoint."
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VPCOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"wrapper" : false
},
"ValidationException" : {
  "c2jName" : "ValidationException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
An exception for missing / invalid input fields. Gives http status code of 400. The type of EBS volume, standard, gp2, or io1. See [http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-
createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.</p>

"endpointDiscovery" : null,
"enums" : [ 
  { "name" : "STANDARD",  "value" : "standard"
  },
  { "name" : "GP2",  "value" : "gp2"
  },
  { "name" : "IO1",  "value" : "io1"
  } ],
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeType",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "VolumeType",
  "variableName" : "volumeType",
  "variableType" : "VolumeType",
  "documentation" : null,
  "simpleType" : "VolumeType",
  "variableSetterType" : "VolumeType"
},
"wrapper" : false
],
"customAuthorizers" : { },
"customRetryPolicy" : null,
"examples" : {
"examples" : { },
"version" : "1.0"
},
"fileHeader" : "/*
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 */
",
"sdkBaseResponseFqcn" :
"software.amazon.awssdk.awscore.AwsResponse<software.amazon.awssdk.awscore.AwsResponseMetadata>",
"sdkModeledExceptionBaseClassName" : "ElasticsearchException",
"sdkModeledExceptionBaseFqcn" :
"software.amazon.awssdk.services.elasticsearch.model.ElasticsearchException",
"sdkRequestBaseClassName" : "ElasticsearchRequest",
"sdkResponseBaseClassName" : "ElasticsearchResponse"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/models/es-2015-01-01-intermediate.json

No license file was found, but licenses were detected in source scan.

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*/
/**
 * <p>
 * Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible Elasticsearch
 * version.
 * </p>
 *
 * @param upgradeElasticsearchDomainRequest
 * Container for request parameters to <code>&lt;a&gt;UpgradeElasticsearchDomain&lt;/a&gt;</code> operation.
 * @return A Java Future containing the result of the UpgradeElasticsearchDomain operation returned by the
* The CompletableFuture returned by this method can be completed exceptionally with the following exceptions.
  * <ul>
  * <li>BaseException An error occurred while processing the request.</li>
  * <li>ResourceNotFoundException An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</li>
  * <li>ResourceAlreadyExistsException An exception for creating a resource that already exists. Gives http status code of 400.</li>
  * <li>DisabledOperationException An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</li>
  * <li>ValidationException An exception for missing / invalid input fields. Gives http status code of 400.</li>
  * <li>InternalException The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</li>
  * <li>SdkException Base class for all exceptions that can be thrown by the SDK (both service and client). Can be used for catch all scenarios.</li>
  * <li>SdkClientException If any client side error occurs such as an IO related failure, failure to get credentials, etc.</li>
  * <li>ElasticsearchException Base class for all service exceptions. Unknown exceptions will be thrown as an instance of this type.</li>
  * </ul>
* @sample ElasticsearchAsyncClient.UpgradeElasticsearchDomain
*/

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/**
 * <p>Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible
 * Elasticsearch version.</p>
 * 
 * @param upgradeElasticsearchDomainRequest
 * @return Result of the UpgradeElasticsearchDomain operation returned by the service.
 * @throws BaseException
 * @throws ResourceNotFoundException
 * @throws ResourceAlreadyExistsException
 * @throws DisabledOperationException
 */

* @throws ValidationException
*     An exception for missing / invalid input fields. Gives http status code of 400.
* @throws InternalException
*     The request processing has failed because of an unknown error, exception or failure (the failure is
*     internal to the service). Gives http status code of 500.
* @throws SdkException
*     Base class for all exceptions that can be thrown by the SDK (both service and client). Can be used for
*     catch all scenarios.
* @throws SdkClientException
*     If any client side error occurs such as an IO related failure, failure to get credentials, etc.
* @throws ElasticsearchException
*     Base class for all service exceptions. Unknown exceptions will be thrown as an instance of this type.
* @sample ElasticsearchClient.UpgradeElasticsearchDomain
*/

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* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awssdk/services/elasticsearch/ElasticsearchClient.java

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1.1410 libpcap 1.8.1

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Source: https://github.com/akheron/jansson

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1.1413 fribidi 0.19.7-1

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Indicates that all bind requests should include the UnboundID-proprietary 'assured replication' request control to indicate that the server should delay returning a response to the client until a minimum amount of replication processing has been performed for the operation. The "--{0}", "--{1}", and "--{2}" arguments may be used to configure the settings to use for the assured replication control, but the server will automatically determine an appropriate value for any argument that is not provided.

Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.

Indicates that all bind requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.

Indicates that all delete requests should include the UnboundID-proprietary 'hard delete' request control, which will permanently delete the target entry even if the server would have otherwise performed a soft delete operation to hide the entry for a period of time before deleting it.

Indicates that all add requests should include the UnboundID-proprietary 'hard delete' request control, which will permanently delete the target entry even if the server would have otherwise performed a soft delete operation to hide the entry for a period of time before deleting it.

Indicates that all add requests should include the UnboundID-proprietary 'ignore NO-USER-MODIFICATION' request control to permit setting values for certain operational attributes not normally permitted to be provided by external clients.
requests should include the UnboundID-proprietary 'ignore NO-USER-MODIFICATION' request control to permit setting values for certain operational attributes not normally permitted to be provided by external clients.

Include the UnboundID-proprietary 'name with entryUUID' request control in all add requests sent to the server to indicate that the server should use the entryUUID operational attribute as the naming attribute for the resulting entry instead of the provided RDN. INFO_LDAPMODIFY_ARG_DESCRIPTION_NAME_WITH_ENTRY_UUID("Include the UnboundID-proprietary 'name with entryUUID' request control in all add requests sent to the server to indicate that the server should use the entryUUID operational attribute as the naming attribute for the resulting entry instead of the provided RDN."). Indicates that all operations should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation.

INFO_LDAPMODIFY_ARG_DESCRIPTION_OPERATION_PURPOSE("Indicates that all operations should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation."). Indicates that all add and modify requests that target either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'password validation details' request control to indicate that the response should include information about the password quality requirements that the server will impose for the target user's password and whether the provided password satisfies each of those constraints.

INFO_LDAPMODIFY_ARG_DESCRIPTION_PASSWORD_VALIDATION_DETAILS("Indicates that all add and modify requests that target either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'password validation details' request control to indicate that the response should include information about the password quality requirements that the server will impose for the target user's password and whether the provided password satisfies each of those constraints."). Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'purge current password' request control. This will indicate that the server should purge the current password from the entry (even if it would have otherwise been retired for a brief period of time).

INFO_LDAPMODIFY_ARG_DESCRIPTION_PURGE_CURRENT_PASSWORD("Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'purge current password' request control. This will indicate that the server should purge the current password from the entry (even if it would have otherwise been retired for a brief period of time.). Indicates that all operation requests should include the UnboundID-proprietary 'replication repair' request control. This will cause the change to be applied only to the target directory server instance but not to any other server in the replication topology.

INFO_LDAPMODIFY_ARG_DESCRIPTION_REPLICATION_REPAIR("Indicates that all operation requests should include the UnboundID-proprietary 'replication repair' request control. This will cause the change to be applied only to the target directory server instance but not to any other server in the replication topology."). Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'retire current password' request control. This will indicate that the server should continue to allow the user to authenticate with their current password (in addition to the new password) for a brief period of time.

INFO_LDAPMODIFY_ARG_DESCRIPTION_RETIRE_CURRENT_PASSWORD("Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'retire current password' request control. This will indicate that the server should continue to allow the user to authenticate with their current password (in addition to the new password) for a brief period of time."). Indicates that all delete requests should include the UnboundID-proprietary 'soft delete' request control, which indicates that the server should hide the entry for a period of time before deleting it so that it may be restored with an undelete operation if the delete should be reverted. INFO_LDAPMODIFY_ARG_DESCRIPTION_SOFT_DELETE("Indicates that all delete requests should include the UnboundID-proprietary 'soft delete' request control, which indicates that the server should hide the entry for a period of time before deleting it so that it may be restored with an undelete operation if the delete should be reverted."). Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'. INFO_LDAPMODIFY_ARG_DESCRIPTION_SUPPRESS_OP_ATTR_UPDATES("Indicates that all
operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod.'), Indicates that the tool should include the UnboundID-proprietary 'suppress referential integrity updates' request control in all delete and modify DN operations to indicate that the server should not perform any referential integrity processing for those operations.

INFO_LDAPMODIFY_ARG_DESCRIPTION_SUPPRESS_REFERINT_UPDATES("Indicates that the tool should include the UnboundID-proprietary 'suppress referential integrity updates' request control in all delete and modify DN operations to indicate that the server should not perform any referential integrity processing for those operations.").

Indicates that all search requests should include the UnboundID-proprietary account usable request control to request that each search result entry returned include a response control with information about the password policy usability state for the entry.

INFO_LDAPSEARCH_ARG_DESCRIPTION_ACCOUNT_USABLE("Indicates that all search requests should include the UnboundID-proprietary account usable request control to request that each search result entry returned include a response control with information about the password policy usability state for the entry.").

Indicates that all search requests should include the UnboundID-proprietary 'exclude branch' request control to indicate that matching entries below the specified base DN should be excluded from search results. This argument may be provided multiple times if multiple branches should be excluded.

INFO_LDAPSEARCH_ARG_DESCRIPTION_EXCLUDE_BRANCH("Indicates that all search requests should include the UnboundID-proprietary 'exclude branch' request control to indicate that matching entries below the specified base DN should be excluded from search results. This argument may be provided multiple times if multiple branches should be excluded.").

Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_AUTHZ_ENTRY_ATTR("Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.").

Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. This argument may be provided multiple times to specify multiple attributes.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_EFFECTIVE_RIGHTS_ATTR("Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. This argument may be provided multiple times to specify multiple attributes.").

Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights the specified user has when interacting with each matching entry.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_EFFECTIVE_RIGHTS_AUTHZID("Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights the specified user has when interacting with each matching entry.").

Indicates that all bind requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_USER_RESOURCE_LIMITS("Indicates that all bind requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.").

Indicates that all search requests should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may return any replication conflict entries that match the search criteria.
Replication conflict entries are normally excluded from search results. INFO_LDAPSEARCH_ARG_DESCRIPTION_INCLUDE_REPL_CONFLICTS("Indicates that all search requests should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may return any replication conflict entries that match the search criteria. Replication conflict entries are normally excluded from search results."). Indicates that all search requests should include the UnboundID-proprietary 'soft-deleted entry access' request control to indicate that the server may return any soft-deleted entries that match the search criteria. Soft-deleted entries are normally excluded from search results. The value for this argument must be one of: 'with-non-deleted-entries' (indicates that both regular and soft-deleted entries should be returned), 'without-non-deleted-entries' (indicates that only soft-deleted entries should be returned), or 'deleted-entries-in-undeleted-form' (returns only soft-deleted entries in the form the entry had before it was deleted).

INFO_LDAPSEARCH_ARG_DESCRIPTION_INCLUDE_SOFT_DELETED("Indicates that all search requests should include the UnboundID-proprietary 'soft-deleted entry access' request control to indicate that the server may return any soft-deleted entries that match the search criteria. Soft-deleted entries are normally excluded from search results. The value for this argument must be one of: 'with-non-deleted-entries' (indicates that both regular and soft-deleted entries should be returned), 'without-non-deleted-entries' (indicates that only soft-deleted entries should be returned), or 'deleted-entries-in-undeleted-form' (returns only soft-deleted entries in the form the entry had before it was deleted)

INFO_LDAPSEARCH_ARG_DESCRIPTION_MATCHING_ENTRY_COUNT_CONTROL("Indicates that all search requests should include the UnboundID-proprietary 'matching entry count' request control, which indicates that the server should return information about the number of entries that match the search criteria. The maximum number of entries to examine must be specified, which helps indicate whether an exact count or an estimate will be returned. If alwaysExamine is specified and the number of candidates is less than the examine count, then each candidate will be examined to verify that it matches the criteria and would actually be returned to the client in a search. If allowUnindexed is specified, then the count will be allowed to be processed even if the search is unindexed (and may take a very long time to complete). If debug is specified, then additional debug information may be included in the output.

INFO_LDAPSEARCH_ARG_DESCRIPTION_OPERATION_PURPOSE("Indicates that all search requests should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation.

INFO_LDAPSEARCH_ARG_DESCRIPTION_REAL_ATTRS_ONLY("Indicates that all search requests should include the UnboundID-proprietary 'real attributes only' request control to indicate that the server should not include any virtual attributes in entries that are returned.

INFO_LDAPSEARCH_ARG_DESCRIPTION_REAL_ATTRS_ONLY("Indicates that all search requests should include the UnboundID-proprietary 'real attributes only' request control to indicate that the server should not include any virtual attributes in entries that are returned.

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proprietary reject unindexed search request control to indicate that the server should not process the search operation if it cannot do so efficiently using server indexes, even if the requester has the unindexed-search privilege.
INFO_LDAPSEARCH_ARG_DESCRIPTION_REJECT_UNINDEXED_SEARCH("Indicates that all search requests should include the UnboundID-proprietary reject unindexed search request control to indicate that the server should not process the search operation if it cannot do so efficiently using server indexes, even if the requester has the unindexed-search privilege."). Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'.

INFO_LDAPSEARCH_ARG_DESCRIPTION_SUPPRESS_OP_ATTR_UPDATES("Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'."). Indicates that all search requests should include the UnboundID-proprietary 'virtual attributes only' request control to indicate that the server should only include virtual attributes in entries that are returned.

INFO_LDAPSEARCH_ARG_DESCRIPTION_VIRTUAL_ATTRS_ONLY("Indicates that all search requests should include the UnboundID-proprietary 'virtual attributes only' request control to indicate that the server should only include virtual attributes in entries that are returned.");

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1.1424 swagger-integration 1.3.12

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Manifest-Version: 1.0
Automatic-Module-Name: io.swagger.v3.oas.integration
Bnd-LastModified: 1573915108299
Build-Jdk: 1.8.0_151
Built-By: frantuma
Bundle-Description: Sonatype helps open source projects to set up Maven repositories on https://oss.sonatype.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.html
Bundle-ManifestVersion: 2
Bundle-Name: swagger-integration
Bundle-SymbolicName: io.swagger.core.v3.swagger-integration
Bundle-Version: 2.1.0
Created-By: Apache Maven Bundle Plugin

implementation-version: 2.1.0

mode: development
package: io.swagger
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-3.5.0.201709291849
url: https://github.com/swagger-api/swagger-core/modules/swagger-integration

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1.1428 jpowershell 1.9

1.1429 python-pyopenssl 17.5.0
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**1.1432 angular-awesome-slider 2.4.4**

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1.1433 perl 5.28.1

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```perl
#!/perl

copyright.t

copyright.t

description

Tests that the latest copyright years in the top-level README file and the `perl -v` output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the `--now` option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

cut

test.pl

use strict;
use Config;
BEGIN { require './test.pl' } if ( $Config{usecrosscompile} ) { skip_all ( "Not all files are available during cross-compilation" ); }

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
  my $current_year = (gmtime)[5] + 1900;
  is $v_year, $current_year, 'perl -v copyright includes current year';
  is $readme_year, $current_year, 'README copyright includes current year';
}
# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = '';
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\d{4,}\b/ &&
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\d{4,}/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.",
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49

generated_by: 'Module::Build version 0.3608'
The "Artistic License"

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.1435 linux-kernel 3.10.62

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/\nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
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Thanks go to the following people for patches and contributions:

Michael Hunold <m.hunold@gmx.de>
for the initial saa7146 driver and its recent overhaul
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for his work on the initial Linux DVB driver

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for his contributions to the dvb-net driver

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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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1.1439 picketlink-api 2.5.5.SP12-redhat-00006

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* /opt/ws_local/PERMITS_SQL/1092886030_1600810004.95/0/metrics-3-2-2-sources-1-jar/com/tomtom/speedtools/metrics/MetricsTimeSlot.java
* /opt/ws_local/PERMITS_SQL/1092886030_1600810004.95/0/metrics-3-2-2-sources-1-jar/com/tomtom/speedtools/metrics/MetricsData.java
* /opt/ws_local/PERMITS_SQL/1092886030_1600810004.95/0/metrics-3-2-2-sources-1-jar/com/tomtom/speedtools/metrics/MultiMetricsCollector.java
* /opt/ws_local/PERMITS_SQL/1092886030_1600810004.95/0/metrics-3-2-2-sources-1-jar/com/tomtom/speedtools/metrics/MetricsCollector.java
* /opt/ws_local/PERMITS_SQL/1092886030_1600810004.95/0/metrics-3-2-2-sources-1-jar/com/tomtom/speedtools/metrics/MultiMetricsData.java
### 1.1449.1 Java Unit Test 3.8.2

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1.1450 angular-input-match 1.4.0

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'use strict';

var gulp = require('gulp');
var ngAnnotate = require('gulp-ng-annotate');
var uglify = require('gulp-uglifyjs');
var wrap = require('gulp-wrap');
var bump = require('gulp-bump');
var gulpKarma = require('gulp-karma');
var gulpSequence = require('gulp-sequence').use(gulp);
var pkg = require('./package.json');
var files = require('./files');

var karmaTestConfig = gulpKarma({configFile: 'karma.conf.js', action: 'run'});

var banner = '/*!
 * <%= pkg.name %>
 * <%= pkg.description %>
 * @version v<%= pkg.version %>
 * @link <%= pkg.homepage %>
 * @license MIT License, http://www.opensource.org/licenses/MIT
 */

gulp.task('bump', function(){
  return gulp.src('./*.json')
    .pipe(bump({type:'minor'}))
    .pipe(gulp.dest('./'));
});

gulp.task('buildDev', function () {
  return gulp.src(files.mergeFilesFor('src'))
    .pipe(wrap(banner+'(function(window, angular, undefined){<%= contents %>})(window, window.angular);
    .pipe(ngAnnotate())
    .pipe(gulp.dest('./build/'));
});

gulp.task('minBuild', function () {
  return gulp.src('./build/'+pkg.name+'.js')
    .pipe(uglify());
});

gulp.task('karma', function () {
  return karmaTestConfig;
});

gulp.task('default', gulpSequence('karma'));
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1077909535_1597181426.43/0/angular-validation-match-1-zip/angular-validation-match/gulpfile.js

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/*!
 * angular-input-match
 * Checks if one input matches another
 * @version v1.4.0
 * @link https://github.com/TheSharpieOne/angular-input-match
 * @license MIT License, http://www.opensource.org/licenses/MIT
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1077909535_1597181426.43/0/angular-validation-match-1-zip/angular-validation-match/gulpfile.js
1.1451 apache-log4j 1.2.0.Final

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/server/handlers/sse/ServerSentEventConnectionCallback.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/security/handlers/MetricsHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/util/HexConverter.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/security/impl/DigestAuthenticationMechanism.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/attribute/LocalPortAttribute.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/attribute/PredicateContextAttribute.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/attribute/RemoteIPAttribute.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/client/http/ClientFixedLengthStreamSinkConduit.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/server/handlers/SetAttributeHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/predicate/PathPrefixPredicate.java

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/io/AsyncSenderImpl.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/attribute/SslCipherAttribute.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/protocols/ssl/SslConduit.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/conduits/GzipStreamSourceConduit.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/conduits/WriteTimeoutStreamSinkConduit.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/server/handlers/SSLHeaderHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/util/PathTemplate.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/security/impl/GenericHeaderAuthenticationMechanism.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/server/session/SessionListeners.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/server/handlers/PredicateContextHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/util/Certificates.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/protocols/alpn/ALPNManager.java

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-
jar/io/undertow/server/handlers/proxy/mod_cluster/ModCluster.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterProxyClient.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPAdvertiseTask.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterProxyTarget.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/ProxyConnectionPoolConfig.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/Node.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/NodeHealthChecker.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/ModClusterContainer.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/NodePingUtil.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPErrorCode.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/Balancer.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPContstants.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/NodeConfig.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPIInfoUtil.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/Context.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/ConnectionPoolErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/VirtualHost.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/NodeLbStatus.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources.jar/io/undertow/server/handlers/proxy/mod_cluster/MCMPEWebManager.java

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/server/handlers/StuckThreadDetectionHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/util/LegacyCookieSupport.java

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#
io.undertow.protocols.ssl.SNIAlpnEngineManager
io.undertow.protocols.alpn.DefaultAlpnEngineManager

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNEngineManager

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-
  jar/io/undertow/security/api/AuthenticationMechanismContext.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-
  jar/io/undertow/security/handlers/AbstractSecurityContextAssociationHandler.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-
  jar/io/undertow/security/impl/AbstractSecurityContext.java
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 */

/**
 * Handler responsible for checking of confidentiality is required for the requested resource and if so rejecting the
 * request and redirecting to a secure address.
 *
 * @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
 */

/**
 * Use the HttpServerExchange supplied to check if this request is already 'sufficiently' confidential.
 *
 * Here we say 'sufficiently' as sub-classes can override this and maybe even go so far as querying the actual
 * SSLSession.
 */
* @param exchange - The {@link HttpServerExchange} for the request being processed.
* @return true if the request is 'sufficiently' confidential, false otherwise.
*/
/**
 * Use the HttpServerExchange to identify if confidentiality is required.
 *
 * This method currently returns true for all requests, sub-classes can override this to provide a custom check.
 *
 * TODO: we should deprecate this and just use a predicate to decide to execute the handler instead
 *
 * @param exchange - The {@link HttpServerExchange} for the request being processed.
 * @return true if the request requires confidentiality, false otherwise.
 */
/**
 * All sub-classes are required to provide an implementation of this method, using the HttpServerExchange for the current
 * request return the address to use for a redirect should confidentiality be required and the request not be confidential.
 *
 * @param exchange - The {@link HttpServerExchange} for the request being processed.
 * @return The {@link URI} to redirect to.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/security/handlers/AbstractConfidentialityHandler.java

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/META-INF/maven/io.undertow/undertow-core/pom.xml
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#

io.undertow.protocols.alpn.JDK8HackAlpnProvider
io.undertow.protocols.alpn.JettyAlpnProvider
io.undertow.protocols.alpn.JDK9AlpnProvider
io.undertow.protocols.alpn.OpenSSLAlpnProvider

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/META-INF/services/io.undertow.protocols.alpn.ALPNProvider
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*/
/**
 * An extension to {AbstractConfidentialityHandler} that uses the Host header from the incoming message
 * and specifies the confidential address by just switching the port.
 *
 * @author <a href="mailto:darran.lofthouse@jboss.com">Darran Lofthouse</a>
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/security/handlers/SinglePortConfidentialityHandler.java

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/protocols/ssl/SNISSLContext.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow/protocols/alpn/DefaultAlpnEngineManager.java
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 */
/**
**
* Encodes and decodes to and from Base64 notation.
* </p>
* </p>
* </p>
* </p>
* *
* <p>
* Example:
* </p>
* *
* <code>String encoded = Base64.encode( myByteArray );</code> <br/>
* <code>byte[] myByteArray = Base64.decode( encoded );</code>
* *
* The <tt>options</tt> parameter, which appears in a few places, is used to pass several pieces of information to the
* encoder.
* In the "higher level" methods such as encodeBytes( bytes, options ) the options parameter can be used to indicate
such things
* as first gzipping the bytes before encoding them, not inserting linefeeds, and encoding using the URL-safe and
Ordered
* dialects.
* </p>
*
* </p>
* Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>, Section 2.1, implementations
should not add
* line feeds unless explicitly told to do so. I've got Base64 set to this behavior now, although earlier versions broke
lines
* by default.
* </p>
*
* The constants defined in Base64 can be OR-ed together to combine options, so you might make a call like this:
* </p>
*
* String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DO_BREAK_LINES );</code>
* </p>
* to compress the data before encoding it and then making the output have newline characters.
* </p>
* 
* Also...
* </p>
* String encoded = Base64.encodeBytes( crazyString.getBytes() );</code>
* 
*
* Change Log:
* </p>
* 
* <ul>
* <li>v2.3.7 - Fixed subtle bug when base 64 input stream contained the value 01111111, which is an invalid base
64 character
* but should not throw an ArrayIndexOutOfBoundsException either. Led to discovery of mishandling (or potential
for better
* handling) of other bad input characters. You should now get an IOException if you try decoding something that
has bad
* characters in it.</li>
* </ul>
* <li>v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded string ended in the last column; the
buffer was
* not properly shrunk and contained an extra (null) byte that made it into the string.</li>
* <li>v2.3.5 - Fixed bug in { @link #encodeFromFile } where estimated buffer size was wrong for files of size 31,
34, and 37
* bytes.</li>
* <li>v2.3.4 - Fixed bug when working with gzipped streams whereby flushing the Base64.OutputStream closed the
Base64 encoding
* (by padding with equals signs) too soon. Also added an option to suppress the automatic decoding of gzipped streams. Also
* added experimental support for specifying a class loader when using the
* {@link #decodeToObject(String, int, ClassLoader)} method.</li>
* <li>v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java footprint with its
CharEncoders and so
* forth. Fixed some javadocs that were inconsistent. Removed imports and specified things like java.io.IOException
* inline.</li>
* <li>v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the final encoded data will be
* so that the
* code doesn't have to create two output arrays: an oversized initial one and then a final, exact-sized one. Big win
when using
* the {@link #encodeBytesToBytes(byte[])} family of methods (and not using the gzip options which uses a
different mechanism
* with streams and stuff).</li>
* <li>v2.3.1 - Added some similar helper methods to be more efficient
* with memory by not returning a String but just a byte array.</li>
* <li>v2.3 - This is not a drop-in replacement! This is two years of comments and bug fixes
* queued up and
* finally executed. Thanks to everyone who sent me stuff, and I'm sorry I wasn't able to distribute your fixes to
* everyone
* else. Much bad coding was cleaned up including throwing exceptions where necessary instead of returning null
values or
* something similar. Here are some changes that may affect you:
* ul
* em>Does not break lines, by default. This is to keep in compliance with RFC3548</a>.
* em>Throws exceptions instead of returning null values. Because some operations (especially those
* that may permit
* the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some
discussion and
* thought, I've changed the behavior of the methods to throw java.io.IOExceptions rather than return null if ever
* the GZIP option) use IO streams, there is a possibility of an java.io.IOException being thrown. After some
* discussion and
* thought, I've changed the behavior of the methods to throw java.io.IOExceptions rather than return null if ever
* there's an
* error. I think this is more appropriate, though it will require some changes to your code. Sorry, it should have been
done
* this way to begin with.</li>
* em>Removed all references to System.out, System.err, and the like. Shame on me. All I can say is
* sorry they were
* ever there.</li>
* em>Throws NullPointerExceptions and IllegalArgumentExceptions as needed such as when passed
* arrays are null or
* offsets are invalid.</li>
* em>Cleaned up as much javadoc as I could to avoid any javadoc warnings. This was especially annoying before
* for people who
* were thorough in their own projects and then had gobs of javadoc warnings on this file.</li>
* ul
* **v2.2.1** - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~&lt; 40 bytes).
* **v2.2** - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
  * The default is RFC3548 format.
  * Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates URL and file name friendly format as described in Section 4 of RFC3548. http://www.faqs.org/rfcs/rfc3548.html
  * Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates URL and file name friendly format that preserves lexical ordering as described in http://www.faqs.org/qa/rfcc-1940.html
* Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new Base64 dialects.
* **v2.1** - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.
* **v2.0.2** - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
* **v2.0.1** - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
* **v2.0** - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format.
* **v1.5.1** - Fixed bug when decompressing and decoding to a byte[] using decode( String s, boolean gzipCompressed ).
* Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).
* **v1.5** - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.
* **v1.4** - Added helper methods to read/write files.
* **v1.3.6** - Fixed OutputStream.flush() so that 'position' is reset.
* **v1.3.5** - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.
* **v1.3.4** - Fixed when "improperly padded stream" error was thrown at the wrong time.
* **v1.3.3** - Fixed I/O streams which were totally messed up.
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* </p>
*
* @author Robert Harder
* @author rob@iharder.net
* @version 2.3.7
*/

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/websockets/core/protocol/version07/Base64.java
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 */
/**
 * Returns an array containing all of the elements in this deque, in
 * proper sequence (from first to last element).
 *
 * <p>The returned array will be "safe" in that no references to it are
 * maintained by this deque. (In other words, this method must allocate
 * a new array). The caller is thus free to modify the returned array.
*<p>This method acts as bridge between array-based and collection-based APIs.
*<p>@return an array containing all of the elements in this deque
*/

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* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/util/FastConcurrentDirectDeque.java
* /opt/ws_local/PERMITS_SQL/1094802706_1601321665.01/0/undertow-core-2-1-0-final-sources-jar/io/undertow/util/PortableConcurrentDirectDeque.java

1.1454 okio 1.13.0

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package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if [ "$govec license.ls -json | jq -r .[].EditionKey" != "eval" ]; then

get_key() {
    jq ".[] | select(.LicenseKey == "$1")"
}

get_property() {
    jq -r ".Properties[] | select(.Key == "$1") | .Value"
}

@test "license.add" {
    esx_env
    verify_evaluation
    run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00000-00002
    assert_success

    # Expect to see an entry for both the first and the second key
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00001 <<<${output} | get_property diagnostic)"
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00002 <<<${output} | get_property diagnostic)"
}

@test "license.remove" {
    esx_env
    verify_evaluation
    run govc license.remove -json 00000-00000-00000-00000-00001
    assert_success
}

@test "license.ls" {
    vcsim_env
    verify_evaluation
    run govc license.ls -json
    assert_success

    # Expect the test instance to run in evaluation mode
    assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<${output} | jq ".Name")"
}

@test "license.decode" {
  esx_env

  verify_evaluation

  key=00000-00000-00000-00000
  assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

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*/

package license

import (  "context"  "flag"  
  "github.com/vmware/govmomi/govc/cli"  "github.com/vmware/govmomi/govc/flags"  "github.com/vmware/govmomi/license"
)

type decode struct {  *flags.ClientFlag  *flags.OutputFlag

  feature string
func init() {
cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY"
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    if cmd.feature != "," {
        return nil
    }
    return nil
}
result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

/
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*/

package simulator

import (
    "context"
    "reflect"
    "testing"
    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
am, err := lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal(err)
}

la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
    t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 1 {
        t.Fatal("no licenses")
    }

    if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
m := ESX()
defer m.Remove()

t := m.Create()
if t != nil {
    t.Fatal(err)
}

s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

xm := license.NewManager(c.Client)
_, err = lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal("expected error")
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
m := ESX()

def er m.Remove()

t := m.Create()
if t != nil {
    t.Fatal(err)
}

s := m.Service.NewServer()
def er s.Close()}
c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
key := "00000-00000-00000-00000-11111"
labels := map[string]string{"key": "value"}

info, err := lm.Add(ctx, key, labels)
if err != nil {
    t.Fatal(err)
}
if info.LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}
if len(info.Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
}
if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}", info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}
if len(la) != 2 {
    t.Fatal("no licenses")
}
if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}
if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}
if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}",
        la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

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 */

decorator and struct sync (struct)

package license

import (   "context"   "flag"   "github.com/vmware/govmomi/govc/cli"   "github.com/vmware/govmomi/govc/flags"   "github.com/vmware/govmomi/license"
)

type remove struct {
*flags.ClientFlag
*flags.OutputFlag
func init() {
    cli.Register("license.remove", &remove{ })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {
    return "KEY...
"}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}

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*/

package license

import (  
    "context"  
    "flag"  
    "fmt"  
    "io"  
    "os"  
    "text/tabwriter"  
    "github.com/vmware/govmomi/govc/cli"  
    "github.com/vmware/govmomi/govc/flags"  
    "github.com/vmware/govmomi/license"  
    "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {  
*flags.ClientFlag  
*flags.OutputFlag

    id string
}

func init() {  
cli.Register("license.assigned.ls", &assigned{ })
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {  
cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
cmd.ClientFlag.Register(ctx, f)  

cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", ", "Entity ID")
}
func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }
    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }
    return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
        fmt.Fprintf(tw, "%s	", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s	", v.AssignedLicense.LicenseKey)
    }
    return tw.Flush()
}

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package license

import (
    "context"
    "strconv"
    "strings"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
)

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {

req := types.AddLicense{
    This: m.Reference(),
    LicenseKey: key,
    Labels: mapToKeyValueSlice(labels),
}

res, err := methods.AddLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}

return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This: m.Reference(),
        LicenseKey: key,
    }

    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }

    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This: m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This: m.Reference(),
        LicenseKey: key,
        Labels: mapToKeyValueSlice(labels),
    }

    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {


return types.LicenseManagerLicenseInfo{}, err
}
return res.Returnval, nil
}

func (m Manager) List(ctx context.Context) (InfoList, error) {
var mlm mo.LicenseManager

err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
if err != nil {
    return nil, err
}
return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
var mlm mo.LicenseManager

err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
if err != nil {
    return nil, err
}
if mlm.LicenseAssignmentManager == nil {
    return nil, object.ErrNotSupported
}
am := AssignmentManager{
    object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
}
return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    If := new(licenseFeature)
    f := strings.Split(feature, ":")
    If.name = f[0]
if len(f) > 1 {
    var err error
    lf.level, err = strconv.Atoi(f[1])
    if err != nil {
        lf.name = feature
    }
}

return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)

    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }

        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }

        lf := parseLicenseFeature(kv.Key)

        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }

    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList

    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }

    return result
}
package license

import {
    "context"

    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
}

type AssignmentManager struct {
    object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
    req := types.QueryAssignedLicenses{
        This:     m.Reference(),
        EntityId: id,
    }

    res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        AssignmentId: id,
    }

    // Additional code for removing assigned license
}

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*/
This: m.Reference(),
EntityId: id,
}

_, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
req := types.UpdateAssignedLicense{
This: m.Reference(),
Entity: id,
LicenseKey: key,
EntityDisplayName: name,
}

res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
if err != nil {
return nil, err
}

return &res.Returnval, nil
}
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package simulator

import (
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        Key: "feature",
        Value: types.KeyValue{
            Key: "serialuri.2",
            Value: "Remote virtual Serial Port Concentrator",
        },
        {
            Key: "feature",
            Value: types.KeyValue{
                Key: "dvs",
                Value: "vSphere Distributed Switch",
            },
        },
    }
}

type LicenseManager struct {
    mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager{
        Self: ref}
    m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
if Map.IsVPX() {
    am := Map.Put(&LicenseAssignmentManager{}).Reference()
    m.LicenseAssignmentManager = &am
}

return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }

    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: req.LicenseKey,
        Labels:    req.Labels,
    })

    body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)
    return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{},
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)
            return body
        }
    }

    return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}
func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId: req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }

    return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

Paul Borman <borman@google.com>
bmatsuo
shawnps
theory
jboverfelt
dsymonds
cd1
wallclockbuilder
dansouza
package license

import (  
  "context"  
  "flag"  
  "fmt"  

  "github.com/vmware/govmomi/govc/cli"  
  "github.com/vmware/govmomi/govc/flags"  
  "github.com/vmware/govmomi/license"  
  "github.com/vmware/govmomi/vim25/types"  
)

type add struct {  
  *flags.ClientFlag  
  *flags.OutputFlag  
}

func init() {  
  cli.Register("license.add", &add{})  
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {  
cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)  
cmd.ClientFlag.Register(ctx, f)  
  
cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)  
cmd.OutputFlag.Register(ctx, f)  
}

func (cmd *add) Process(ctx context.Context) error {  
  if err := cmd.ClientFlag.Process(ctx); err != nil {  
    return err  
  }  
  
  // Add your implementation here...  
}
return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
    return err
}
return nil
}

func (cmd *add) Usage() string {
return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    //
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssingmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
    }

    result := make(licenseOutput, 0)
    for _, v := range f.Args() {
        license, err := addFunc(ctx, v, nil)
        if err != nil {
            return err
        }
        result = append(result, license)
    }

    result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))
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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{})
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)

    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
}
cmd.OutputFlag.Register(ctx, f)

cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
cmd.HostSystemFlag.Register(ctx, f)

cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
cmd.ClusterFlag.Register(ctx, f)

f.StringVar(&cmd.name, "name", "", "Display name")
f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.
    Examples:
    gov c license.assign $VCSA_LICENSE_KEY
    gov c license.assign -host a_host.example.com $ESX_LICENSE_KEY
    gov c license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    return err
m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    }
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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*/

package license

import {
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
}

var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.ls", &ls{ })
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    "feature": "", "": featureUsage)
func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}

1.1457 bzip2 1.0.6
1.1457.1 Available under license:

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Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbzip2 version 1.0.2 of 30 December 2001

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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]
*/

1.1458 opensaml-xmlsec-api 3.3.0
1.1459 curator-framework 2.8.0

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1.1460 wildfly-client-config 1.0.1.Final
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* /opt/ws_local/PERMITS_SQL/1074947796_1596001801.74/0/wildfly-client-config-1-0-1-final-sources-1-
  jar/schema/wildfly-client_1_0.xsd

No license file was found, but licenses were detected in source scan.

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1074947796_1596001801.74/0/wildfly-client-config-1-0-1-final-sources-1-
  jar/wildfly/client/config/ConfigXMLParseException.java
* /opt/ws_local/PERMITS_SQL/1074947796_1596001801.74/0/wildfly-client-config-1-0-1-final-sources-1-
  jar/wildfly/client/config/AbstractDelegatingXMLStreamReader.java
* /opt/ws_local/PERMITS_SQL/1074947796_1596001801.74/0/wildfly-client-config-1-0-1-final-sources-1-
1.1461 python-django 1.11.11 1.el7ost

1.1461.1 Available under license:

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Advice for new contributors

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

   If you are new to contributing to Django, the `intro/contributing` tutorial will give you an introduction to the tools and the workflow.

First steps

Start with these easy tasks to discover Django's development process.

**Sign the Contributor License Agreement**

The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the `CLA`. See the `Contributor License Agreement FAQ` for a more thorough explanation.

**Triage tickets**
If an `unreviewed ticket` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at :ref:`how-can-i-help-with-triaging`

**Look for tickets that are accepted and review patches to build familiarity with the codebase and the process**

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests </internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

**Keep old patches up to date**

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

**Write some documentation**

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

    The `reports page` contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. _reports page: https://code.djangoproject.com/wiki/Reports

.. _CLA: https://www.djangoproject.com/foundation/cla/

.. _Contributor License Agreement FAQ: https://www.djangoproject.com/foundation/cla/faq/

.. _unreviewed ticket: https://code.djangoproject.com/query?status=!closed&stage=Unreviewed

Guidelines

==========
As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who hasn't spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the `easy pickings`.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without you!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**
Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**

When we say ":pep:`8`, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

FAQ

====

1. **This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed??**

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the |django-developers| mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself??**

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

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1.1465 slf4j-nop 1.7.25

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    at assemblers) written by James Hacker.

    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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1.1476 ubuntu-keyring 2012.05.19

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1.1478 slf4j-log4j 1.7.5

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1.1479 generex 1.0.1

1.1480 neo4j-cypher-expression 3.4.17
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Send patches to sysvinit-devel@nongnu.org
The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).

* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.1490 vim 7.4.1689 3ubuntu1.3
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" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
    finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^# ][^#]*+ contained
syn region psfQuotString start=+"+ skip=+\"+ end=+"+ contained

syn match  psfObjTag    "<[-_A-Z0-9a-z]+/<[-_A-Z0-9a-z]+>+" contained
syn match  psfAttAbbrev ",<\[-_A-Z0-9a-z]+/<[-_A-Z0-9a-z]+>+<[^,]+>" contained
syn match  psfObjTags   ",\[-_A-Z0-9a-z]+/<[-_A-Z0-9a-z]+>+<[^,]+>\[-_A-Z0-9a-z]+>+<[^,]+>" contained

syn match  psfNumber    "\<[A-Za-z0-9]+\>" contained
Some of the attributes covered by `attUnquotString` and `attQuotString`:
- architecture
category_tag
control_directory
copyright
create_date
description
directory
document
file_permissions
install_source
install_type
location
machine_type
mod_date
number
os_name
os_release
os_version
pose_as_os_name
pose_as_os_release
readme
revision
share_link
title
vendor_tag

These regions are defined in an attempt to do syntax checking for some
of the attributes.

- `psfAttUnquotString`
- `psfAttQuotString`
- `psfAttTag`
- `psfAttSpec`
- `psfAttTags`
- `psfAttNumber`
- `psfAttTime`
- `psfAttFloat`
- `psfAttLongDate`
Define the default highlighting.

* Only when an item doesn't have highlighting yet

```
hi def link psfObject       Statement
hi def link psfAttrib       Type
hi def link psfQuotString   String
hi def link psfObjTag       Identifier
hi def link psfAttAbbrev    PreProc
hi def link psfObjTags      Identifier

hi def link psfComment      Comment
```

* Long descriptions and copyrights confuse the syntax highlighting, so
* force vim to backup at least 100 lines before the top visible line
* looking for a sync location.

```
syn sync lines=100
```

```
let b:current_syntax = "psf"
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Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

VIM LICENSE

I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
   1) This license text must be included unmodified.
   2) The modified Vim must be distributed in one of the following five ways:
      a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
      b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
      c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from
making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the "':version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a sponsor. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a
A sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps.

When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

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- Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
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  Rabobank Lisse, account 3765.05.117
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Address to send checks to:

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8134 Adliswil
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vim:tw=78:ts=8:noet:ft=help:norl:

1.1491 wildfly-clustering-marshalling-jboss

19.1.0.Final

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1.1495 Jemalloc 5.1.0

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#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        namespace security
        {
            namespace acl
            {
                class Permission;
            }
        }
    }
    }
}

class java::security::acl::Permission : public java::lang::Object
{

public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__((java_interface));

#endif // __java_security_acl_Permission__

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```c
1f+gnu/classpath/tools/taglets/CopyrightTaglet
```

```
<init>()VCode
```

```
ConstantValue
```

```
Copyright:<init>()VCode
```

```
LineNumberTable
```

```
LocalVariableTable
```

```
this-
```

```
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()
```

```
Ljava/lang/String;inField()
```

```
Z
```

```
inConstructor
```

```
inMethod
```

```
inOverview
```

```
inPackage
```

```
inType
```

```
isInlineTag
```

```
register(Ljava/util/Map;)V
```

```
＆(*)
```

```
java/util/Map+.put8(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;
tagletMap,Ljava/util/Map;copyrightTagletToString)(Lcom/sun/javadoc/Tag;Ljava/lang/String;3com/sun/javadoc/Tag
```

```
506*(Lcom/sun/javadoc/Tag;Ljava/lang/String;tagLcom/sun/javadoc/Tag;2::text
```

```
=?java/lang/String@A.length()IC
```

```
java/lang/StringBuffer
```

```
BF&lt;/dt&gt;
```

```
BHIappend,(Ljava/lang/String;)
```

```
Ljava/lang/StringBuffer
```

```
Ljava/lang/StringBuffer
```

```
Ljava/lang/StringBuilder
```

```
String
```

```
SourceFileCopyrightTaglet.java!
```

```
/*1-
```

```
7.;?C.G.K,O!S"#QY$*+%+WWXY-.
```

```
/01A
```

```
*2Y+S4\n```

```
7806)+=>+29<=+_BYDN-EGW67+29<-KYO+29RURWGW+YGW-[F'adefge+k/7m>nDoSpunstw>\\]
```

```
`a7TbcA>`ade
```

```
// DO NOT EDIT THIS FILE - it is machine generated -*. c++ *.-
```

```
ifndef __java_security_Permission__
```

```
#define __java_security_Permission__
```

```
#pragma interface
```

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#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
class Permission;
class PermissionCollection;
}
}
}

class java::security::Permission : public ::java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;
    virtual ::java::lang::String * getName();
    virtual ::java::lang::String * getActions() = 0;
    virtual ::java::security::PermissionCollection * newPermissionCollection();
    virtual ::java::lang::String * toString();
private:
    static const jlong serialVersionUID = -563657022231596674LL;
    ::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
    static ::java::lang::Class class$;
};

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@enumerate a
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@item If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any...
application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
@end enumerate

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A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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@enumerate
@item Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library'', as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
@item Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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@item If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
@item Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate
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@appendixsubsec How to Apply These Terms to Your New Libraries

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the source code needed to generate, install, and (for an executable
work) run the object code and to modify the work, including scripts to
control those activities. However, it does not include the work’s
System Libraries, or general-purpose tools or generally available free
programs which are used unmodified in performing those activities but
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the work, and the source code for shared libraries and dynamically
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such as by intimate data communication or control flow between those
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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the
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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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/**
 * This interface provides information about a permission that can be granted. Note that this is not the same as the class <code>java.security.Permission</code>.
 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission {
    /**
     * This method tests whether or not a specified <code>Permission</code> (passed as an <code>Object</code>) is the same as this permission.
     * @param perm The permission to check for equality
     * @return true if the two permissions are equal, false otherwise
     */
}
* @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 * @return A <code>String</code> representing this permission.
 */
String toString();
}
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its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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* m4/ax_func_which_gethostbyname_r.m4

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import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.tools.doclets.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean handleTag(Tag tag) {
        return false;
    }

    public String getTagText(Tag tag) {
        return null;
    }

    public void endTag(Tag tag) {
    }

    public String getTagString(Tag tag) {
        return null;
    }

    public void writeTag(String output, Tag tag) {
    }

    public void writeTagEnd(String output, Tag tag) {
    }

    public void writeTagString(String output, Tag tag) {
    }

    public void writeTagEndString(String output, Tag tag) {
    }

    public void writeTagStart(String output, Tag tag) {
    }

    public void writeTagStartEnd(String output, Tag tag) {
    }

    public void writeTagStartString(String output, Tag tag) {
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    public void writeTagStartEndString(String output, Tag tag) {
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    public void writeTagEndStart(String output, Tag tag) {
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    public void writeTagEndStartEndString(String output, Tag tag) {
    }

    public void writeTagEndStartEndString(String output, Tag tag) {
public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    } else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        return null;
    }
}


if (haveValidTag) {
    StringBuffer result = new StringBuffer();
    result.append("<dl>");
    for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright &amp;#169; " + tags[i].text() + "; </i><dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
} else {
    return null;
}

// DO NOT EDIT THIS FILE - it is machine generated

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};
#endif // __gnu_javax_sound_AudioSecurityManager$Permission__
#!/usr/bin/python
#
# Copyright (C) 2013-2016 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
            sys.stderr.write(string + '
')
            self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',
            ...])
# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'lt~obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
)

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
if os.path.exists (base + '.am'):
    return True

# Skip files produced by autogen
if (os.path.exists (base + '.def')
    and os.path.exists (base + '.tpl')):
    return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current Change Logs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][\-0-9,\s]+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w*-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|\w*')

        # Matches a full copyright notice:
self.copyright_re = re.compile (
  # 1: 'Copyright (C)', etc.
  '(\[Cc\]opyright'
  '([[Cc]opyright\s+\([Cc]\)])|
  '([[Cc]opyright\s+%s
  '([[Cc]opyright\s+\&copy;'
  '([[Cc]opyright\s+\@copyright\{)
  '[copyright = u\''
  '@set\s+copyright\[w-\+s+\])' # 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
  '\s*\(?\:+\) + ranges + ',?'
  '\@value\{\[^[ ]*\}\]s*\)' # 3: 'by ', if used
  '(by\s+)?' # 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
  '( + name + (\?\s? + name + )*)?' # A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
  re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+//+@c |dnl ') # True to 'quilt add' files before changing them.
self.use_quilt = False
# If set, force all notices to include this year.
self.max_year = None
# Goes after the year(s). Could be ',', '.
self.separator = ',

def add_package_author (self, holder, canon_form = None):
  if not canon_form:
    canon_form = holder
  self.holders[holder] = canon_form
  index = holder.find ('')
  while index >= 0:
    self.holder_prefixes.add (holder[:index])
index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value '):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year

    return years
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in selfholders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: '
                + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break
            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None
# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)
else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])
# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)'
elif intro.endswith('c'):
    intro = intro[:-3] + ' (C)'

line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    with open(pathname, 'r') as file:
        prev = None
        for line in file:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match(line)):
                match = self.copyright_re.search(line)
                if match:
                    res = self.update_copyright(dir, filename, filter,
                                                file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search(line):
                    self.errors.report(pathname,
                                      'unrecognised copyright: %s'
                                      % line.strip())
                    lines.append(line)
                    line = next_line

            # If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (["quilt", 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s\n' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
            self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
            self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        pass
sys.stdout.write ('Usage: %s [options] dir1 dir2...\n' % sys.argv[0])
format = '%-15s %s\n'
for (what, help) in self.option_help:
    sys.stdout.write (format % (what, help))
sys.stdout.write ('\nDirectories:\n')
format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write (dir + '\n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Not part of GCC
            'math-68881.h',
            })

        self.skip_dirs |= set ({
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
            })

        self.skip_extensions |= set ({
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
            })

        self.fossilised_files |= set ({
            # Old news won't be updated.
            'ONews',
            })
class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woend by anyone.
            '.c','
            '.C','
            '.cc','
            '.h','
            '.hs','
            '.f','
            '.f90','
            '.go','
            '.inc','
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])
class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libdl',
        })

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile ('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Handled separately.
            'testsuite',
        })

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        })

        self.skip_dirs |= set ({
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',
        })
# Contains imported images
'images',
})

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('NVIDIA Corporation')
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        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir('..', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir('fixincludes')
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gnattools')
        self.add_dir('include')
        self.add_dir('libada')
        self.add_dir('libatomic')
        self.add_dir('libbacktrace')
        self.add_dir('libcpp', LibCppFilter())
        self.add_dir('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir('libgcc', LibGCCFilter())
        self.add_dir('libgfortran')
        self.add_dir('libgomp')
        self.add_dir('libiberty')
        self.add_dir('libitm')
        self.add_dir('libobjc', LibobjcFilter())
        self.add_dir(os.path.join('libobjc', 'testsuite'), TestsuiteFilter())
        self.add_dir('libobjc')
        self.add_dir('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir('libssp')
        self.add_dir('libstdc++-v3', LibStdCxxFilter())
        self.add_dir('libvtv')
        self.add_dir('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [
            'gcc',
GCCCmdLine().main()

/* Definitions for BSD assembler syntax for Intel 386
(actually AT&T syntax for insns and operands,
adapted to BSD conventions for symbol names and debugging.)
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<http://www.gnu.org/licenses/>.  */

/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler labels.  If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output, -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */
/* This is how to output an assembler line 
   that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
   fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */
/* This says how to output an assembler line 
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
   ( fputs (".comm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line 
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)  
   if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))
/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) 
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 2.1, February 1999

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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *<p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *<p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 */

* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/

public abstract class Permission implements Guard, Serializable
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -563657022231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in <code>SecurityManager</code> with this <code>Permission</code> as its argument. This method returns silently if the security check succeeds or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 */
* @return a new <code>PermissionCollection</code>
*/

```
public PermissionCollection newPermissionCollection()
{
    return null;
}
```


```
/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */

```

```
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    string = string.append(' ');
    string = string.append(getActions());

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
```

}} // class Permission

This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

**HISTORY**

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dossor (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Petersen(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(aggc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO

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Version 2, June 1991

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#
# NOTE: Building the i18n targets requires GNU-make
#
# Variables you may well want to override.

PREFIX        = /usr/local
BINDIR        = $(PREFIX)/sbin
MANDIR        = $(PREFIX)/share/man
LOCALEDIR     = $(PREFIX)/share/locale
BUILDDIR      = $(SRC)
DESTDIR       =
CFLAGS        = -Wall -W -O2
LDFLAGS       =
COPTS         =
RPM_OPT_FLAGS =
LIBS          =

*************************************************************************

# Variables you might want to override.

PKG_CONFIG = pkg-config
INSTALL   = install
MSGMERGE  = msgmerge
MSGFMT    = msgfmt
XGETTEXT  = xgettext

SRC = src
PO = po
MAN = man

*************************************************************************
```bash
# pmake way. (NB no spaces to keep gmake 3.82 happy)
top!=pwd
# GNU make way.
top?=$(CURDIR)

dbus_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DBUS $(PKG_CONFIG) --cflags dbus-1`
dbus_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DBUS $(PKG_CONFIG) --libs dbus-1`
idn_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_IDN $(PKG_CONFIG) --cflags libidn`
idn_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_IDN $(PKG_CONFIG) --libs libidn`
idn2_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LIBIDN2 $(PKG_CONFIG) --cflags libidn2`
idn2_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LIBIDN2 $(PKG_CONFIG) --libs libidn2`
ct_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_CONNTRACK $(PKG_CONFIG) --cflags libnetfilter_conntrack`
ct_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_CONNTRACK $(PKG_CONFIG) --libs libnetfilter_conntrack`
lua_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LUASCRIPT $(PKG_CONFIG) --cflags lua5.2`
lua_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LUASCRIPT $(PKG_CONFIG) --libs lua5.2`
nettlecflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DNSSEC $(PKG_CONFIG) --cflags nettle hogweed`
nettleslibs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DNSSEC $(PKG_CONFIG) --libs nettle hogweed`
gmp_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DNSSEC NO_GMP --copy -lgmp`
sunos_libs = `if uname | grep SunOS >/dev/null 2>&1; then echo -lsocket -lnsl -lposix4; fi`
version = -DVERSION='"`$(top)/bld/get-version $(top)`"'

sum?=$(shell $(CC) -DDNSMASQ_COMPILE_OPTS $(COPTS) -E $(top)/$(SRC)/dnsmasq.h | ( md5sum 2>/dev/null || md5 ) | cut -f 1 -d ' ')
sum!=$(CC) -DDNSMASQ_COMPILE_OPTS $(COPTS) -E $(top)/$(SRC)/dnsmasq.h | ( md5sum 2>/dev/null || md5 ) | cut -f 1 -d ' '
copts_conf = .copts_$($($sum))

objs = cache.o rfc1035.o util.o option.o forward.o network.o \
   dnsmasq.o dhcp.o lease.o rfc2131.o netlink.o dbus.o bpf.o \
   helper.o tftp.o log.o conntrack.o dhcp6.o rfc3315.o \
   dhcp-variant.o outpacket.o radv.o slaac.o auth.o ipset.o \
   domain.o dnssec.o blockdata.o tables.o loop.o inotify.o \
   poll.o rrfilter.o edns0.o arp.o crypto.o

hdrs = dnsmasq.h config.h dhcp-protocol.h dhcp6-protocol.h \
   dns-protocol.h radv-protocol.h ip6addr.h

all : $(BUILDDIR)
@cd $(BUILDDIR) && $(MAKE) \n
top="$(top)"
build_cflags="$($($version) $($dbus_cflags) $($idn2_cflags) $($idn_cflags) $($ct_cflags) $($lua_cflags) $($nettlecflags))" \nbuild_libs="$($($dbus_libs) $($idn2_libs) $($idn_libs) $($ct_libs) $($lua_libs) $($sunos_libs) $($nettleslibs) $($gmp_libs))" \n-f $(top)/Makefile dnsmasq
```
mostly_clean:
rm -f $(BUILDDIR)/*.mo $(BUILDDIR)/*.pot
rm -f $(BUILDDIR)/copts_* $(BUILDDIR)/*.o $(BUILDDIR)/dnsmasq.a $(BUILDDIR)/dnsmasq

clean: mostly_clean
rm -f $(BUILDDIR)/dnsmasq_baseline
rm -f core */core
rm -f *~ contrib/*/*~ */*~

install: all install-common

install-common:
$(INSTALL) -d $(DESTDIR)$BINDIR -d $(DESTDIR)$MANDIR/man8
$(INSTALL) -m 644 $(MAN)/dnsmasq.8 $(DESTDIR)$MANDIR/man8
$(INSTALL) -m 755 $(BUILDDIR)/dnsmasq $(DESTDIR)$BINDIR

all-i18n: $(BUILDDIR)
@cd $(BUILDDIR) & & $(MAKE)
   top="$\(top\)"
   i18n=-DLCALEDIR="\"$(LOCALEDIR)\""
   build_cflags="\$(version) \$(dbus_cflags) \$(idn2_cflags) \$(ct_cflags) \$(lua_cflags) \$(nettle_cflags)"
   build_libs="\$(dbus_libs) \$(idn2_libs) \$(idn_libs) \$(ct_libs) \$(lua_libs) \$(sunos_libs) \$(nettle_libs) \$(gmp_libs)"
   -f $(top)/Makefile dnsmasq
   for f in `cd $(PO); echo *.po`; do
       cd $(top) && cd $(BUILDDIR) && $(MAKE) top="$\(top\)" -f $(top)/Makefile $$\{f%.po\}.mo; \
   done

install-i18n: all-i18n install-common
   cd $(BUILDDIR); $(top)/bld/install-mo $(DESTDIR)$LOCALEDIR $(INSTALL)
   cd $(MAN); ../bld/install-man $(DESTDIR)$MANDIR $(INSTALL)

merge:
   @cd $(BUILDDIR) & & $(MAKE) top="$\(top\)" -f $(top)/Makefile dnsmasq.pot
   for f in `cd $(PO); echo *.po`; do
       echo -n msgmerge $(PO)/$$f & & $(MSGMERGE) --no-wrap -U $(PO)/$$f $(BUILDDIR)/dnsmasq.pot; \
   done

   # Canonicalise .po file.
   %.po:
       @cd $(BUILDDIR) & & $(MAKE) -f $(top)/Makefile dnsmasq.pot
       mv $(PO)/$*.po $(PO)/$*.po.orig & & $(MSGMERGE) --no-wrap -U $(PO)/$*.po.orig $(BUILDDIR)/dnsmasq.pot >$(PO)/$*.po;

   $(BUILDDIR):
   mkdir -p $(BUILDDIR)

   # rules below are helpers for size tracking
baseline : mostly_clean all
@cd $(BUILDDIR) && \n    mv dnsmasq dnsmasq_baseline

bloatcheck : $(BUILDDIR)/dnsmasq_baseline mostly_clean all
@cd $(BUILDDIR) && \n    $(top)/bld/bloat-o-meter dnsmasq_baseline dnsmasq: \n    size dnsmasq_baseline dnsmasq

# rules below are targets in recursive makes with cwd=$(BUILDDIR)

$(copts_conf): $(hdrs)
@rm -f *.o .copts_*
@touch $@

$(objs:.o=.c) $(hdrs):
ln -s $(top)/$(SRC)/$@ .

$(objs): $(copts_conf) $(hdrs)
 .c.o:
$(CC) $(CFLAGS) $(COPTS) $(i18n) $(build_cflags) $(RPM_OPT_FLAGS) -c $<

dnsmasq : $(objs)
$(CC) $(LDFLAGS) -o $@ $(objs) $(build_libs) $(LIBS)

dnsmasq.pot : $(objs:.o=.c) $(hdrs)
$(XGETTEXT) -d dnsmasq --foreign-user --omit-header --keyword=_ -o $@ -i $(objs:.o=.c)

%.mo : $(top)/$(PO)/%.po dnsmasq.pot
$(MSGMERGE) -o - $(top)/$(PO)/$*.po dnsmasq.pot | $(MSGFMT) -o $*.mo -

.PHONY : all clean mostly_clean install install-common all-i18n install-i18n merge baseline bloatcheck
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*/
#include "dnsmasq.h"

/* Time between forced re-loads from kernel. */
#define INTERVAL 90

#define ARP_MARK 0
#define ARP_FOUND 1 /* Confirmed */
#define ARP_NEW 2 /* Newly created */
#define ARP_EMPTY 3 /* No MAC addr */

struct arp_record {
    unsigned short hwlen, status;
    int family;
    unsigned char hwaddr[DHCP_CHADDR_MAX];
    struct all_addr addr;
    struct arp_record *next;
};

static struct arp_record *arps = NULL, *old = NULL, *freelist = NULL;
static time_t last = 0;

static int filter_mac(int family, char *addrp, char *mac, size_t maclen, void *parmv)
{
    struct arp_record *arp;

    (void)parmv;

    if (maclen > DHCP_CHADDR_MAX)
        return 1;

    #ifndef HAVE_IPV6
    if (family != AF_INET)
        return 1;
    #endif

    /* Look for existing entry */
    for (arp = arps; arp; arp = arp->next)
    {
        if (family != arp->family || arp->status == ARP_NEW)
            continue;

        if (family == AF_INET)
        {
            if (arp->addr.addr.addr4.s_addr != ((struct in_addr *)addrp)->s_addr)
                continue;
        }
    }

    #ifdef HAVE_IPV6

    #endif
}

/* Look for existing entry */
for (arp = arps; arp; arp = arp->next)
{
    if (family != arp->family || arp->status == ARP_NEW)
        continue;

    if (family == AF_INET)
    {
        if (arp->addr.addr.addr4.s_addr != ((struct in_addr *)addrp)->s_addr)
            continue;
    }

    #ifdef HAVE_IPV6

    #endif
}
else
{
    if (!IN6_ARE_ADDR_EQUAL(&arp->addr.addr.addr6, (struct in6_addr *)addrp))
        continue;
}
#endif

if (arp->status == ARP_EMPTY)
{
    /* existing address, was negative. */
    arp->status = ARP_NEW;
    arp->hwlen = maclen;
    memcpy(arp->hwaddr, mac, maclen);
}
else if (arp->hwlen == maclen && memcmp(arp->hwaddr, mac, maclen) == 0)
    /* Existing entry matches - confirm. */
    arp->status = ARP_FOUND;
else
    continue;

    break;
}

if (!arp)
{
    /* New entry */
    if (freelist)
    {
        arp = freelist;
        freelist = freelist->next;
    }
    else if (!((arp = whine_malloc(sizeof(struct arp_record)))))
        return 1;

    arp->next = arps;
    arps = arp;
    arp->status = ARP_NEW;
    arp->hwlen = maclen;
    arp->family = family;
    memcpy(arp->hwaddr, mac, maclen);
    if (family == AF_INET)
        arp->addr.addr.addr4.s_addr = ((struct in_addr *)addrp)->s_addr;
    #ifdef HAVE_IPV6
    else
        memcpy(&arp->addr.addr.addr6, addrp, IN6ADDRSZ);
    #endif
}
return 1;
}

/* If in lazy mode, we cache absence of ARP entries. */
int find_mac(union mysockaddr *addr, unsigned char *mac, int lazy, time_t now)
{
    struct arp_record *arp, *tmp, **up;
    int updated = 0;

    again:

    /* If the database is less then INTERVAL old, look in there */
    if (difftime(now, last) < INTERVAL)
    {
        /* addr == NULL -> just make cache up-to-date */
        if (!addr)
            return 0;

        for (arp = arps; arp; arp = arp->next)
        {
            if (addr->sa.sa_family != arp->family)
                continue;

            if (arp->family == AF_INET &&
                arp->addr.addr.addr4.s_addr != addr->in.sin_addr.s_addr)
                continue;

            #ifdef HAVE_IPV6
                if (arp->family == AF_INET6 &&
                    !IN6_ARE_ADDR_EQUAL(&arp->addr.addr6, &addr->in6.sin6_addr))
                    continue;
            #endif

            /* Only accept positive entries unless in lazy mode. */
            if (arp->status != ARP_EMPTY || lazy || updated)
            {
                if (mac && arp->hwlen != 0)
                    memcpy(mac, arp->hwaddr, arp->hwlen);
                return arp->hwlen;
            }
        }
    }

    /* Not found, try the kernel */
    if (!updated)
    {
        updated = 1;
        last = now;
    }
/* Mark all non-negative entries */
    for (arp = arps; arp; arp = arp->next)
    if (arp->status != ARP_EMPTY)
        arp->status = ARP_MARK;

    iface_enumerate(AF_UNSPEC, NULL, filter_mac);

    /* Remove all unconfirmed entries to old list. */
    for (arp = arps, up = &arps; arp; arp = tmp)
    {
        tmp = arp->next;
        if (arp->status == ARP_MARK)
        {
            *up = arp->next;
            arp->next = old;
            old = arp;
        }
        else
            up = &arp->next;
    }

    goto again;

    /* record failure, so we don't consult the kernel each time
     we're asked for this address */
    if (freelist)
    {
        arp = freelist;
        freelist = freelist->next;
    }
    else
        arp = whine_malloc(sizeof(struct arp_record));

    if (arp)
    {
        arp->next = arps;
        arps = arp;
        arp->status = ARP_EMPTY;
        arp->family = addr->sa.sa_family;
        arp->hwlen = 0;

        if (addr->sa.sa_family == AF_INET)
            arp->addr.addr.addr4.s_addr = addr->in.sin_addr.s_addr;
        #ifdef HAVE_IPV6
        else
            #endif
memcpy(&arp->addr.addr.addr6, &addr->in6.sin6_addr, IN6ADDRSZ);
#endif
}

return 0;
}

int do_arp_script_run(void)
{
    struct arp_record *arp;

    /* Notify any which went, then move to free list */
    if (old)
    {
        #ifdef HAVE_SCRIPT
            if (option_bool(OPT_SCRIPT_ARP))
                queue_arp(ACTION_ARP_DEL, old->hwaddr, old->hwlen, old->family, &old->addr);
        #endif
        arp = old;
        old = arp->next;
        arp->next = freelist;
        freelist = arp;
        return 1;
    }

    for (arp = arps; arp; arp = arp->next)
        if (arp->status == ARP_NEW)
            {
                #ifdef HAVE_SCRIPT
                    if (option_bool(OPT_SCRIPT_ARP))
                        queue_arp(ACTION_ARP, arp->hwaddr, arp->hwlen, arp->family, &arp->addr);
                #endif
                arp->status = ARP_FOUND;
                return 1;
            }

    return 0;
}

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Q: Why does dnsmasq open UDP ports >1024 as well as port 53.
   Is this a security problem/trojan/backdoor?

A: The high ports that dnsmasq opens are for replies from the upstream
nameserver(s). Queries from dnsmasq to upstream nameservers are sent from these ports and replies received to them. The reason for doing this is that most firewall setups block incoming packets to port 53, in order to stop DNS queries from the outside world. If dnsmasq sent its queries from port 53 the replies would be to port 53 and get blocked.

This is not a security hole since dnsmasq will only accept replies to that port: queries are dropped. The replies must be to outstanding queries which dnsmasq has forwarded, otherwise they are dropped too.

Addendum: dnsmasq now has the option "query-port" (-Q), which allows you to specify the UDP port to be used for this purpose. If not specified, the operating system will select an available port number just as it did before.

Second addendum: following the discovery of a security flaw in the DNS protocol, dnsmasq from version 2.43 has changed behavior. It now uses a new, randomly selected, port for each query. The old default behaviour (use one port allocated by the OS) is available by setting --query-port=0, and setting the query port to a positive value still works. You should think hard and know what you are doing before using either of these options.

Q: Why doesn't dnsmasq support DNS queries over TCP? Don't the RFC's specify that?

A: Update: from version 2.10, it does. There are a few limitations:
data obtained via TCP is not cached, and source-address or query-port specifications are ignored for TCP.

Q: When I send SIGUSR1 to dump the contents of the cache, some entries have no IP address and are for names like mymachine.mydomain.com.mydomain.com. What are these?

A: They are negative entries: that's what the N flag means. Dnmasq asked an upstream nameserver to resolve that address and it replied "doesn't exist, and won't exist for <n> hours" so dnmasq saved that information so that if _it_ gets asked the same question it can answer directly without having to go back to the upstream server again. The strange repeated domains result from the way resolvers search short names. See "man resolv.conf" for details.

Q: Will dnsmasq compile/run on non-Linux systems?

A: Yes, there is explicit support for *BSD and MacOS X and Solaris.
There are start-up scripts for MacOS X Tiger and Panther in /contrib. Dnmasq will link with uclibc to provide small
binaries suitable for use in embedded systems such as routers. (There's special code to support machines with flash filesystems and no battery-backed RTC.)

If you encounter make errors with *BSD, try installing gmake from ports and building dnsmasq with "make MAKE=gmake" For other systems, try altering the settings in config.h.

Q: My company's nameserver knows about some names which aren't in the public DNS. Even though I put it first in /etc/resolv.conf, it doesn't work: dnsmasq seems not to use the nameservers in the order given. What am I doing wrong?

A: By default, dnsmasq treats all the nameservers it knows about as equal: it picks the one to use using an algorithm designed to avoid nameservers which aren't responding. To make dnsmasq use the servers in order, give it the -o flag. If you want some queries sent to a special server, think about using the -S flag to give the IP address of that server, and telling dnsmasq exactly which domains to use the server for.

Q: OK, I've got queries to a private nameserver working, now how about reverse queries for a range of IP addresses?

A: Use the standard DNS convention of <reversed address>.in-addr.arpa. For instance to send reverse queries on the range 192.168.0.0 to 192.168.0.255 to a nameserver at 10.0.0.1 do server=/0.168.192.in-addr.arpa/10.0.0.1

Note that the "bogus-priv" option take priority over this option, so the above will not work when the bogus-priv option is set.

Q: Dnsmasq fails to start with an error like this: "dnsmasq: bind failed: Cannot assign requested address". What's the problem?

A: This has been seen when a system is bringing up a PPP interface at boot time: by the time dnsmasq start the interface has been created, but not brought up and assigned an address. The easiest solution is to use --interface flags to specify which interfaces dnsmasq should listen on. Since you are unlikely to want dnsmasq to listen on a PPP interface and offer DNS service to the world, the problem is solved.

Q: I'm running on BSD and dnsmasq won't accept long options on the command line.

A: Dnsmasq when built on some BSD systems doesn't use GNU getopt by default. You can either just use the single-letter options or change config.h and the Makefile to use getopt-long. Note that options in /etc/dnsmasq.conf must always be the long form.
Q: Names on the internet are working fine, but looking up local names from /etc/hosts or DHCP doesn't seem to work.

A: Resolver code sometime does strange things when given names without any dots in. Win2k and WinXP may not use the DNS at all and just try and look up the name using WINS. On unix look at "options ndots:" in "man resolv.conf" for details on this topic. Testing lookups using "nslookup" or "dig" will work, but then attempting to run "ping" will get a lookup failure, appending a dot to the end of the hostname will fix things. (ie "ping myhost" fails, but "ping myhost." works. The solution is to make sure that all your hosts have a domain set ("domain" in resolv.conf, or set a domain in your DHCP server, see below for Windows XP and Mac OS X). Any domain will do, but "localnet" is traditional. Now when you resolve "myhost" the resolver will attempt to look up "myhost.localnet" so you need to have dnsmasq reply to that name. The way to do that is to include the domain in each name on /etc/hosts and/or to use the --expand-hosts and --domain options.

Q: How do I set the DNS domain in Windows XP or MacOS X (ref: previous question)?

A: for XP, Control Panel > Network Connections > { Connection to gateway / DNS } > Properties > { Highlight TCP/IP } > Properties > Advanced > DNS Tab > DNS suffix for this connection:

A: for OS X, System Preferences > Network > {Connection to gateway / DNS } > Search domains:

Q: Can I get dnsmasq to save the contents of its cache to disk when I shut my machine down and re-load when it starts again?

A: No, that facility is not provided. Very few names in the DNS have their time-to-live set for longer than a few hours so most of the cache entries would have expired after a shutdown. For longer-lived names it's much cheaper to just reload them from the upstream server. Note that dnsmasq is not shut down between PPP sessions so go off-line and then on-line again will not lose the contents of the cache.

Q: Who are Verisign, what do they have to do with the bogus-nxdomain option in dnsmasq and why should I worry about it?

A: [note: this was written in September 2003, things may well change.] Verisign run the .com and .net top-level-domains. They have just changed the configuration of their servers so that unknown .com and
.net domains, instead of returning an error code NXDOMAIN, (no such
domain) return the address of a host at Verisign which runs a web
server showing a search page. Most right-thinking people regard
this new behaviour as broken :-). You can test to see if you are
suffering Verisign brokenness by run a command like

```
host jlsdajkdalll.com
```

If you get "jlsdajkdalll.com" does not exist, then all is fine, if
host returns an IP address, then the DNS is broken. (Try a few
different unlikely domains, just in case you picked a weird one
which really _is_ registered.)

Assuming that your DNS is broken, and you want to fix it, simply
note the IP address being returned and pass it to dnsmasq using the
--bogus-nxdomain flag. Dnsmasq will check for results returning
that address and substitute an NXDOMAIN instead.

As of writing, the IP address in question for the .com and .net
domains is is 64.94.110.11. Various other, less prominent,
registries pull the same stunt; there is a list of them all, and
the addresses to block, at http://winware.org/bogus-domains.txt

Q: This new DHCP server is well and good, but it doesn't work for me.
What's the problem?

A: There are a couple of configuration gotchas which have been
encountered by people moving from the ISC dhcpd to the dnsmasq
integrated DHCP daemon. Both are related to differences in
in the way the two daemons bypass the IP stack to do "ground up"
IP configuration and can lead to the dnsmasq daemon failing
whilst the ISC one works.

The first thing to check is the broadcast address set for the
ethernet interface. This is normally the address on the connected
network with all ones in the host part. For instance if the
address of the ethernet interface is 192.168.55.7 and the netmask
is 255.255.255.0 then the broadcast address should be
192.168.55.255. Having a broadcast address which is not on the
network to which the interface is connected kills things stone
dead.

The second potential problem relates to firewall rules; since the ISC
daemon in some configurations bypasses the kernel firewall rules
entirely, the ability to run the ISC daemon does not indicate
that the current configuration is OK for the dnsmasq daemon.
For the dnsmasq daemon to operate it's vital that UDP packets to
and from ports 67 and 68 and broadcast packets with source
address 0.0.0.0 and destination address 255.255.255.255 are not dropped by iptables/ipchains.

Q: I'm running Debian, and my machines get an address fine with DHCP, but their names are not appearing in the DNS.

A: By default, none of the DHCP clients send the host-name when asking for a lease. For most of the clients, you can set the host-name to send with the "hostname" keyword in /etc/network/interfaces. (See "man interfaces" for details.) That doesn't work for dhclient, were you have to add something like "send host-name daisy" to /etc/dhclient.conf [Update: the latest dhcpcd packages do send the hostname by default.

Q: I'm network booting my machines, and trying to give them static DHCP-assigned addresses. The machine gets its correct address whilst booting, but then the OS starts and it seems to get allocated a different address.

A: What is happening is this: The boot process sends a DHCP request and gets allocated the static address corresponding to its MAC address. The boot loader does not send a client-id. Then the OS starts and repeats the DHCP process, but it does send a client-id. Dnsmasq cannot assume that the two requests are from the same machine (since the client ID's don't match) and even though the MAC address has a static allocation, that address is still in use by the first incarnation of the machine (the one from the boot, without a client ID.) dnsmasq therefore has to give the machine a dynamic address from its pool. There are three ways to solve this: (1) persuade your DHCP client not to send a client ID, or (2) set up the static assignment to the client ID, not the MAC address. The default client-id will be 01:<MAC address>, so change the dhcp-host line from "dhcp-host=11:22:33:44:55:66,1.2.3.4" to "dhcp-host=id:01:11:22:33:44:55:66,1.2.3.4" or (3) tell dnsmasq to ignore client IDs for a particular MAC address, like this: dhcp-host=11:22:33:44:55:66,id:*

Q: What network types are supported by the DHCP server?

A: Ethernet (and 802.11 wireless) are supported on all platforms. On Linux all network types (including FireWire) are supported.

Q: What are these strange "bind-interface" and "bind-dynamic" options?

A: Dnsmasq from v2.63 can operate in one of three different "networking modes". This is unfortunate as it requires users configuring dnsmasq to take into account some rather bizarre constraints and select the mode which best fits the requirements of a particular installation.
The origin of these are deficiencies in the Unix networking model and APIs and each mode has different advantages and problems. Just to add to the confusion, not all modes are available on all platforms (due to the lack of supporting network APIs). To further add to the confusion, the rules for the DHCP subsystem on dnsmasq are different to the rules for the DNS and TFTP subsystems.

The three modes are "wildcard", "bind-interfaces" and "bind-dynamic".

In "wildcard" mode, dnsmasq binds the wildcard IP address (0.0.0.0 or ::). This allows it to receive all the packets sent to the server on the relevant port. Access control (--interface, --except-interface, --listen-address, etc) is implemented by dnsmasq: it queries the kernel to determine the interface on which a packet was received and the address to which it was sent, and applies the configured rules. Wildcard mode is the default if neither of the other modes are specified.

In "bind-interfaces" mode, dnsmasq runs through all the network interfaces available when it starts, finds the set of IP addresses on those interfaces, filters that set using the access control configuration, and then binds the set of IP addresses. Only packets sent to the allowed addresses are delivered by the kernel to dnsmasq.

In "bind-dynamic" mode, access control filtering is done both by binding individual IP addresses, as for bind-interfaces, and by inspecting individual packets on arrival as for wildcard mode. In addition, dnsmasq notices when new interfaces appear or new addresses appear on existing interfaces, and the resulting IP addresses are bound automatically without having to restart dnsmasq.

The mode chosen has four different effects: co-existence with other servers, semantics of --interface access control, effect of new interfaces, and legality of --interface specifications for non-existent interfaces. We will deal with these in order.

A dnsmasq instance running in wildcard mode precludes a machine from running a second instance of dnsmasq or any other DNS, TFTP or DHCP server. Attempts to do so will fail with an "address in use" error. Dnsmasq running in --bind-interfaces or bind-dynamic mode allow other instances of dnsmasq or other servers, as long as no two servers are configured to listen on the same interface address.

The semantics of --interface varies subtly between wildcard or bind-dynamic mode and bind-interfaces mode. The situation where this matters is a request which arrives via one interface (A), but with a destination address of a second interface (B) and when dnsmasq is configured to listen only on B. In wildcard or bind-dynamic mode, such
a request will be ignored, in bind-interfaces mode, it will be accepted.

The creation of new network interfaces after dnsmasq starts is ignored by dnsmasq when in --bind-interfaces mode. In wildcard or bind-dynamic mode, such interfaces are handled normally.

An --interface specification for a non-existent interface is a fatal error at start-up when in --bind-interfaces mode, by just generates a warning in wildcard or bind-dynamic mode.

Q: Why doesn't Kerberos work/why can't I get sensible answers to queries for SRV records.

A: Probably because you have the "filterwin2k" option set. Note that it was on by default in example configuration files included in versions before 2.12, so you might have it set on without realising.

Q: Can I get email notification when a new version of dnsmasq is released?

A: Yes, new releases of dnsmasq are always announced through freshmeat.net, and they allow you to subscribe to email alerts when new versions of particular projects are released. New releases are also announced in the dnsmasq-discuss mailing list, subscribe at http://lists.thekelleys.org.uk/mailman/listinfo/dnsmasq-discuss

Q: What does the dhcp-authoritative option do?

A: The DHCP spec says that when a DHCP server receives a renewal request from a client it has no knowledge of, it should just ignore it. This is because it's supported to have more than one DHCP server on a network, and another DHCP server may be dealing with the client. This has the unfortunate effect that when _no_ DHCP replies to the client, it takes some time for the client to time-out and start to get a new lease. Setting this option makes dnsmasq violate the standard to the extent that it will send a NAK reply to the client, causing it to immediately start to get a new lease. This improves behaviour when machines move networks, and in the case that the DHCP lease database is lost. As long as there are not more than one DHCP server on the network, it's safe to enable the option.

Q: Why does my Gentoo box pause for a minute before getting a new lease?

A: Because when a Gentoo box shuts down, it releases its lease with the server but remembers it on the client; this seems to be a
Gentoo-specific patch to dhcpcd. On restart it tries to renew a lease which is long gone, as far as dnsmasq is concerned, and dnsmasq ignores it until is times out and restarts the process. To fix this, set the dhcp-authoritative flag in dnsmasq.

Q: My laptop has two network interfaces, a wired one and a wireless one. I never use both interfaces at the same time, and I'd like the same IP and configuration to be used irrespective of which interface is in use. How can I do that?

A: By default, the identity of a machine is determined by using the MAC address, which is associated with interface hardware. Once an IP is bound to the MAC address of one interface, it cannot be associated with another MAC address until after the DHCP lease expires. The solution to this is to use a client-id as the machine identity rather than the MAC address. If you arrange for the same client-id to sent when either interface is in use, the DHCP server will recognise the same machine, and use the same address. The method for setting the client-id varies with DHCP client software, dhcpcd uses the "-I" flag. Windows uses a registry setting, see http://www.jsiinc.com/SUBF/TIP2800/rh2845.htm

Addendum:
From version 2.46, dnsmasq has a solution to this which doesn't involve setting client-IDs. It's possible to put more than one MAC address in a --dhcp-host configuration. This tells dnsmasq that it should use the specified IP for any of the specified MAC addresses, and furthermore it gives dnsmasq permission to summarily abandon a lease to one of the MAC addresses if another one comes along. Note that this will work fine only as longer as only one interface is up at any time. There is no way for dnsmasq to enforce this constraint: if you configure multiple MAC addresses and violate this rule, bad things will happen.

Addendum-II: The link above is dead, the former contents of the link are:

------------------------------------------------------------------------------
How can I keep the same DHCP client reservation, if the MAC address changes?

When you reserve an IP address for a DHCP client, you provide the MAC address of the client's NIC.

It is possible to use a custom identifier, which is sent as option 61 in the client's DHCP Discover and Request packet.

The DhcpClientIdentifier is a REG_DWORD value that is located at:

Windows NT 4.0 SP2+
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\<Adapter Name>\X\Parameters\Tcpip

where <Adapter Name> is the NIC driver name and 'X' is the number of the NIC.

Windows 2000

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\TcpIp\Parameters\Interfaces\<NIC GUID>

where <NIC GUID> is the GUID of the NIC.

The valid range of data is 0x0 - 0xFFFFFFFF. The custom identifier is send as 4 bytes, 8 hexadecimal character, in groups of 2 hexadecimal characters, with the groups being sent in reverse order. If the custom identifier is less than 8 hexadecimal characters, it is zero padded at the end. Examples:

<table>
<thead>
<tr>
<th>Custom Client Identifier</th>
<th>Client Reservation on DHCP Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>12345679</td>
<td>78563412</td>
</tr>
<tr>
<td>1234567</td>
<td>56341200</td>
</tr>
<tr>
<td>123456</td>
<td>34120000</td>
</tr>
<tr>
<td>123456</td>
<td>67452301</td>
</tr>
<tr>
<td>123454</td>
<td>45230100</td>
</tr>
<tr>
<td>123453</td>
<td>23010000</td>
</tr>
<tr>
<td>A18F42</td>
<td>428FA100</td>
</tr>
<tr>
<td>CF3432</td>
<td>32F40C00</td>
</tr>
<tr>
<td>C32D1BE</td>
<td>BED1320C</td>
</tr>
</tbody>
</table>

Q: Can dnsmasq do DHCP on IP-alias interfaces?

A: Yes, from version-2.21. The support is only available running under Linux, on a kernel which provides the RT-netlink facility. All 2.4 and 2.6 kernels provide RT-netlink and it's an option in 2.2 kernels.

If a physical interface has more than one IP address or aliases with extra IP addresses, then any dhcp-ranges corresponding to these addresses can be used for address allocation. So if an interface has addresses 192.168.1.0/24 and 192.168.2.0/24 and there are DHCP ranges 192.168.1.100-192.168.1.200 and 192.168.2.100-192.168.2.200 then both ranges would be used for host connected to the physical interface. A more typical use might be to have one of the address-ranges as static-only, and have known hosts allocated addresses on that subnet using dhcp-host options, while anonymous hosts go on the other.
Q: Dnsmasq sometimes logs "nameserver xxx.xxx.xxx.xxx refused to do a recursive query" and DNS stops working. What's going on?

A: Probably the nameserver is an authoritative nameserver for a particular domain, but is not configured to answer general DNS queries for an arbitrary domain. It is not suitable for use by dnsmasq as an upstream server and should be removed from the configuration. Note that if you have more than one upstream nameserver configured dnsmasq will load-balance across them and it may be some time before dnsmasq gets around to using a particular nameserver. This means that a particular configuration may work for sometime with a broken upstream nameserver configuration.

Q: Does the dnsmasq DHCP server probe addresses before allocating them, as recommended in RFC2131?

A: Yes, dynamically allocated IP addresses are checked by sending an ICMP echo request (ping). If a reply is received, then dnsmasq assumes that the address is in use, and attempts to allocate an different address. The wait for a reply is between two and three seconds. Because the DHCP server is not re-entrant, it cannot serve other DHCP requests during this time. To avoid dropping requests, the address probe may be skipped when dnsmasq is under heavy load.

Q: I'm using dnsmasq on a machine with the Firestarter firewall, and DHCP doesn't work. What's the problem?

A: This a variant on the iptables problem. Explicit details on how to proceed can be found at http://lists.thekelleys.org.uk/pipermail/dnsmasq-discuss/2005q3/000431.html

Q: I'm using dnsmasq on a machine with the shorewall firewall, and DHCP doesn't work. What's the problem?

A: This a variant on the iptables problem. Explicit details on how to proceed can be found at http://lists.thekelleys.org.uk/pipermail/dnsmasq-discuss/2007q4/001764.html

Q: Dnsmasq fails to start up with a message about capabilities. Why did that happen and what can do to fix it?
A: Change your kernel configuration: either deselect CONFIG_SECURITY
or select CONFIG_SECURITY_CAPABILITIES. Alternatively, you can
remove the need to set capabilities by running dnsmasq as root.

Q: Where can I get .rpms Suitable for openSUSE/SLES?

A: Dnsmasq is in openSUSE itself, and the latest releases are also
available at http://download.opensuse.org/repositories/network/

Q: Can I run dnsmasq in a Linux vserver?

A: Yes, as a DNS server, dnsmasq will just work in a vserver.
To use dnsmasq's DHCP function you need to give the vserver
extra system capabilities. Please note that doing so will lesser
the overall security of your system. The capabilities
required are NET_ADMIN and NET_RAW. NET_ADMIN is essential, NET_RAW
is required to do an ICMP "ping" check on newly allocated
addresses. If you don't need this check, you can disable it with
--no-ping and omit the NET_RAW capability.
Adding the capabilities is done by adding them, one per line, to
either /etc/vservers/<vservername>/ccapabilities for a 2.4 kernel or
/etc/vservers/<vservername>/bcapabilities for a 2.6 kernel (please
refer to the vserver documentation for more information).

Q: What's the problem with syslog and dnsmasq?

A: In almost all cases: none. If you have the normal arrangement with
local daemons logging to a local syslog, which then writes to disk,
then there's never a problem. If you use network logging, then
there's a potential problem with deadlock: the syslog daemon will
do DNS lookups so that it can log the source of log messages,
these lookups will (depending on exact configuration) go through
dnsmasq, which also sends log messages. With bad timing, you can
arrive at a situation where syslog is waiting for dnsmasq, and
dnsmasq is waiting for syslog: they will both wait forever. This
problem is fixed from dnsmasq-2.39, which introduces asynchronous
logging: dnsmasq no longer waits for syslog and the deadlock is
broken. There is a remaining problem in 2.39, where "log-queries"
is in use. In this case most DNS queries generate two log lines, if
these go to a syslog which is doing a DNS lookup for each log line,
then those queries will in turn generate two more log lines, and a
chain reaction runaway will occur. To avoid this, use syslog-ng
and turn on syslog-ng's dns-cache function.
Q: DHCP doesn't work with windows Vista, but everything else is fine.

A: The DHCP client on windows Vista (and possibly later versions) demands that the DHCP server send replies as broadcasts. Most other clients don't do this. The broadcasts are send to 255.255.255.255. A badly configured firewall which blocks such packets will show exactly these symptoms (Vista fails, others work).

Q: DHCP doesn't work with windows 7 but everything else is fine.

A: There seems to be a problem if Windows 7 doesn't get a value for DHCP option 252 in DHCP packets it gets from the server. The symptoms have been variously reported as continual DHCPINFORM requests in an attempt to get an option-252, or even ignoring DHCP offers completely (and failing to get an IP address) if there is no option-252 supplied. DHCP option 252 is for WPAD, WWW Proxy Auto Detection and if you don't want or need to use that, then simplest fix seems to be to supply an empty option with:

dhcp-option=252,"

1.1500 neo4j-cypher-ir 3.5.4
1.1500.1 Available under license:

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1.1502 concurrentlinkedhashmap-lru 1.4.2

1.1503 typesafe-config 1.2.1

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public DomainParameters(BigInteger p, BigInteger g, BigInteger q, BigInteger j,
/**
 * SPHINCS-256 signer.
 * <p>
 * This implementation is heavily based on the reference implementation in SUPERCOP, the main difference being
 * the digests used
 * for message hashing and tree construction are now configurable (within limits...) and that the implementation
 * produces
 * detached signatures.
 * </p>
 * <p>
 * The SPHINCS reference implementation is public domain, as per the statement in the second last paragraph of
 * section 1 in https://eprint.iacr.org/2014/795.pdf
 * </p>
 */

/**
 * Magic value for proprietary OpenSSH private key.
 */

/**
 * Poly1305 message authentication code, designed by D. J. Bernstein.
 * <p>
 * Poly1305 computes a 128-bit (16 bytes) authenticator, using a 128 bit nonce and a 256 bit key
 * consisting of a 128 bit key applied to an underlying cipher, and a 128 bit key (with 106
 * effective key bits) used in the authenticator.
 * </p>
 * <p>
 * The polynomial calculation in this implementation is adapted from the public domain <a href="https://github.com/floodyberry/poly1305-donna">poly1305-donna-unrolled</a> C implementation
 * by Andrew M (@floodyberry).
 * </p>
 */
1.1505 tpm-quote-tools 1.0.1

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1.1506 bluebird 2.3.7

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1.1507 jboss-logging 3.1.4 GA

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1.1511 j2objc-annotations 1.3

1.1511.1 Available under license:

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 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/LoopTranslation.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/Property.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/RetainedLocalRef.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/ObjectiveCName.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/ReflectionSupport.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/RetainedWith.java

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* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/WeakOuter.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/Weak.java
* /opt/ws_local/PERMITS_SQL/1089224651_1600098009.38/0/j2objc-annotations-1-3-sources-1-jar/com/google/j2objc/annotations/AutoreleasePool.java

1.1512 perl 5.22.1-9ubuntu0.6
1.1512.1 Available under license:

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

---

=head1 NAME

copyright.t

---

#!/perl

=head1 NAME

copyright.t
=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the `perl -v` output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the `--now` option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, "perl -v copyright includes current year' ;
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

open my $readme, '<', '../README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
local $/ = ";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /.*(\d{4,})/s
  or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
  or die "Copyright statement not found in perl -v output '$output'";

$year;
}
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\n  Module-Build mailing list at <module-build@perl.org>."
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
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Additional CertPath testing and validation data from the CertPath testing tool developed by cryptosource GmbH and media Transfer AG both located in Darmstadt, Germany.

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People

Tito Pena &lt;Fortunato.Pena@AdNovum.CH&gt; - initial RC5 implementation

Michael Lee &lt;yfl@mira.net&gt; - initial RC6 implementation, MD2 implementation

Nuno Santos &lt;nsantos@student.dei.uc.pt&gt; - finding toString bug in certificate object.

Brett Sealey &lt;bretts@mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSLeay private keys).

Victor A. Salaman &lt;salaman@teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.

Eran Librach &lt;eranl@valicert.com&gt; - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren't sharing the same classpath (occurs in JDK 1.3 and greater).

Jonathan Knudsen &lt;jonathan@LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Markus Niedermann &lt;markus.niedermann@softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Mike Benham &lt;moxie@thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.

Soren Hilmer &lt;hilmer@mail.tele.dk&gt; - initial implementation of netscape certificate request classes.

Uwe Guenther &lt;uwe@cscc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.
Markus Bradtke &lt;mab@informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.

Waclaw Sierek &lt;waclaw.sierek@tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.

Ly-Na Phu &lt;lyna.phu@#064;init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding.

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Carmen Bastiaans &lt;cbastiaa@#064;microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.

Tomas Gustavsson &lt;tomasg@#064;primekey.se&gt; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.

Eugen Kuleshov &lt;euxx@hotmail.com&gt; - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.

Megan Woods &lt;meganwoods@#064;sekurafile.com&gt; - initial implementation of ECIES.

Christian Geuer-Pollmann &lt;geuerp@#064;apache.org&gt; - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.

Michael M&amp;#252;hle &lt;michael@#064;mouling.de&gt; - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.

Michael Mansell &lt;me@#064;michaelmansell.com&gt; - fixing the parsing of the empty DER set in the ASN.1 library.

Eike Recker &lt;eike.recker@#064;gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and RSA/2.

Chris Southern &lt;CSouthern@#064;baltimore.com&gt; - fixing misuse of specified provider in the PKCS10 certification request class.

Sidney Markowitz &lt;sidney@#064;sidney.com&gt; - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.

Chris Kerr &lt;ckerr@#064;filonet.ca&gt; - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction. We also wish to acknowledge the generosity of Filonet Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.

Mike Bean &lt;mbean@#064;lucentradius.com&gt; - fixing the fall through bug in the IV algorithm parameters class.

Martin Petraschek &lt;e9526225@#064;student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.

Jess Garms &lt;jgarsms@#064;yahoo.com&gt; - fixing 112/168 key size bug for
DESede key generation.

Mike Bremford &lt;mike@big.faceless.org&gt; - contributing the initial PKCS7 implementation.

Shankar Srinivasan &lt;ssr002@yahoo.com&gt; - S/Mime interoperability testing and debugging.

Stef Hoeben &lt;ilsestef@#64;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk &lt;kciosk@#64;max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier &lt;Thomas.Houtekier@#64;tetrade.net&gt; - S/Mime testing and debugging.

Interoperability with BizTalk.

Don Hillsberry &lt;hillsber@#64;dialcorp.com&gt; - S/Mime testing and debugging.

Kazuo Furuya &lt;kfuryu@#64;infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.

Jason Novotny &lt;jdnovotny@#64;lbl.gov&gt; - initial work on the openSSL PEM processing.

Joel Hockey &lt;joel.hockey@#64;qsipayments.com&gt; - initial work on the openSSL PEM processing.

John Steenbruggen &lt;JohnS@#64;geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske &lt;justin@#64;chapweske.com&gt; - ordering patch for Tiger message digest.

John Seroch &lt;jseroch@#64;hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.

Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter &lt;Sascha.Weinreuter@#64;cit.de&gt; - fixed SMIME saveChanges() bug.

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Luigi Lo Iacono &lt;lo_iacono@#64;nu.e-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

Tim Sakach &lt;tsakach@#64;certivo.net&gt; - SMIME v2 compatibility patches.

Marcus Povey &lt;mpovey@#64;brookes.ac.uk&gt; - adding PGP mode to the lightweight API and the provider.

Sebastian Clau@szlig; &lt;sc2@#64;inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.

Nicolas Bielza &lt;nicolas.bielza@#64;alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.

Casey Marshall &lt;rsdio@#64;metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.

Rick Zeldes &lt;rick.zeldes@#64;eds.com&gt; - initial code for CMS/SMIME CompressedData.

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Graham Coles &lt;graham.coles@#64;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.

J&ouml;rn von Kattch&egrave;e &lt;J.Kattchee@#64;seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso &lt;matartuso@#64;libero.it&gt; - picking up the possible overread in ASN1InputStream.

Julian Morrison &lt;julian@#64;entropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.

Elmar Sonnenschein &lt;eso@#64;esomail.de&gt; - fix to long conversion in clean room SecureRandom.

J&ouml;rn Schwarze &lt;JSchwarze@#64;ulc.de&gt; - Locale fix for the clean room JCE.
- Bryan Lovquist &lt;bkl@cps.com.au&gt; - Other provider compatibility fixes for CMS signing.
- Artem Portnoy &lt;Artem_Portnoy@ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.
- Michael H&amp;uuml;usler &lt;haeusler@064ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.
- Johan Seland &lt;johans@064netfonds.no&gt; - general toString for BigInteger class.
- Johannes Nicolai &lt;johannes.nicolai@064novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.
- Marc Doberv&aacute; &lt;marc.doberva@064ilxes-i.com&gt; - help in isolating the JSSE/BC RSA key issue.
- Jan Dvorak &lt;jan.dvorak@064mathan.cz&gt; - initial implementation of the light weight Null block cipher.
- Joe Cohen &lt;jcohen@064forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.
- Chris Long &lt;aclong@064ece.cmu.edu&gt; - adding public key decoding to PEMReader.
- Hsieh Siemelink &lt;hs@064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.
- Stefan Piu&amp;uuml;u &lt;stefanpiuuro@064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.
- Kaiser Yang &lt;kaiseryang@064@yahoo.com&gt; - Finding BigInteger loop problem in prime generation.
- Jiri Urbanec &lt;jiri.urbanec@064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().
- Justin Kolb &lt;jkolb@064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.
- Ralf Hauser &lt;ralfhauser@064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.
- Michal Dvorak &lt;m_dvorak@064cryptotech.com.pl&gt; - getNextUpdate patch for OCSP SingleResp.
- Klaus Greve Fiorentini &lt;Klaus@064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.
- Olivier Refalo &lt;Olivier_Refalo@064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.
- Mariusz Bandola &lt;mariusz.bandola@064cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.
- Brien Oberstein &lt;brien.oberstein@transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMED160 addition to PGPUtl.
- Ian Haywood &lt;ian@064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.
- Jonathan Edwards &lt;s34gull@064mac.com&gt; - initial support for reading multiple rings from a PGP key file.
- Andrew Thornton &lt;andrew@064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.
- Gregor Leander &lt;gl@064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.
- Antoon Bosselaers &lt;Antoon.Bosselaers@064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.
- Peter Sylvester &lt;Peter.Sylvester@064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.
- Doug &lt;ummmmm@064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.
- Francois Staes &lt;fstaes@064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator.
patch to DH key agreement.

- W.R. Dittmer &lt;wdittmer@#064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKKeyPair to fix nullpointer exception.

- Perez Paz Luis Alberto &lt;lapererez@#064banxico.org.mx&gt; - patch to use of BitString in X.500 name.

- James Wright &lt;James_Wright@#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.

- Jim Ford &lt;jim@#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.

- Michael Hauser &lt;haeusler@#064ponton-consulting.de&gt; - extra aliases for provider.

- Sai Pullabhottla &lt;psai@#064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

- Joseph Miller &lt;joseph@#064digiweb.net.nz&gt; - addition of ZeroBytePadding.

- Lars &lt;xyz@#064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.

- Jeroen van Vianen &lt;jeroen@#064vanvianen.nl&gt; - the Signed and Encrypted mail example.

- Jun Sun &lt;JSun@#064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

- Petr Dukem &lt;pdudem@#064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

- Filipe Silva &lt;filipe.silva@wedoconsulting.com&gt; - patch to fix overead issue in BCPGinputStream.

- Alpesh Parmar &lt;alps@#064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

- Jay Gengelbach &lt;jangenelbach@#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

- Doug &lt;doug@#064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.

- Matthew Mundy &lt;mmundy1@#064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.

- Tom Cargill &lt;cargill@#064proficon.com&gt; - spelling patch in provider.

- Breitenstrom Christian &lt;c.Breitenstrom@#064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

- Gian Pietro Milko &lt;zanotti@#064cad.it&gt; - patch to ordered equality test for X509Name.

- Nicola Scendoni &lt;nscendoni@#064babelps.it&gt; - patch to add sorting to CertPath validation.

- Ville Skytt&auml;auml; &lt;ville.skytta@#064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

- Bruce Gordon &lt;bruce.gordon@savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP. speed up for BCPGInputStream.

- Miles Whiteley &lt;Miles.Whiteley@#064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

- Albert Moliner &lt;amoliner@#064evintia.com&gt; - initial TSP implementation.

- Carlos Lozano &lt;carlos@#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

- Javier Delgadillo &lt;javi@#064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

- Joni Hahkala &lt;joni.hahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IfetAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

- Rolf Schillinger &lt;rolf@#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.
<li>Sergey Bahtin &lt;Sergey_Bahtin@yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>
<li>Franck Leroy &lt;Franck.Leroy#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiko Yamanaka &lt;ymnk#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrexe#064rekssoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer &lt;soren.hilmer#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.</li>

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eiser &lt;D.Eisner#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;JulienPasquier#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso#064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson#064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;Vladimir.N.Molotkov#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;Adlocflo#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vasiliev &lt;paulvsa#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;Tom#064tnux.net&gt; - addition of DES-EDE encryption for RSA_private keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fyx#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee#064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;Tuvcung#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee#064crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees#064doodle.com.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau#064partners.net.focus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee#064mac.com&gt; - initial ECNR implementation.
<li>Remi Blancher &lt;Remi.Blancher@keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian ORourke &lt;brianorourke@#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;David.josse@#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwrnctan@#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont@#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc@#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jürg Eichhorn &lt;eichhorn@#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand@#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name types for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.</li>
<li>Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
<li>Carlos Lozano Ruiz &lt;Carlos@#064tradise.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock@#064gmail.com&gt; - only handling in CRLFOutputStream.</li>
<li>Stefan Neusatz Guilhen &lt;stneusatz@#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice &lt;marzio.logiudice@#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lipold &lt;georg.lippold@#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles@#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;Pasi.Eronen@#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;maria.ivanova@#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha@#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder@#064google.com&gt; - main set of test vectors for Bleichenbacher’s forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier@#064britanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;teikomusha@#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;roaquim@#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGP SecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@#064mitm.nl&gt; - better exception handling in CMS enveloping, “just in time” modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@#064gmail.com&gt; - additional modes and algorithm support in PEM Reader.</li>
<li>Matthias &lt;g@#064rtner.de&gt; - GnuPG compatibility changes for PBES File Processor.</li>
<li>Olga K&auml;ufl@#064kaehler&064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Raffaello Rizzo &lt;germano.rizzo@#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa 20.</li>
<li>N&uacute;ria Mar&iacute; &lt;numaa@#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedData Parser.</li>
<li>Janis Schuller &lt;js@#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;Mike@#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff@#064ukr.net&gt; - mask fix to single byte read in Tls InputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@#064mntg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdza &lt;gwozdziu@#064prog.pl&gt; - addition of getToken() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;blmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPC RandomGenerator, VMPC Mac.</li>
<li>Tal Yacobi &lt;tal.yacobi@#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@#064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in
CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko&#064;gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn&#064;jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz&#064;yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gcontini&#064;hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDFEs.

Roelof Naude &lt;roelof.naude&#064;epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck&#064;signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd&#064;lemaymd.com&gt; - identified problem with EAX [BJA-93].

Alex Dupre &lt;ale&#064;FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [BJA-102].

Michael Schoene &lt;michael&#064;sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

Ion Larrañaga &lt;ilarra&#064;s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.

Bob Kerns &lt;bob.kerns&#064;positscience.com&gt; - fix to hashCode for X509CertificateObject.

Stefan Meyer &lt;stefan.meyer&#064;ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

Robert J. Moore &lt;Robert.J.Moore&#064;allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai &lt;ruio#ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic &lt;emir.bucalovic&#064;4mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson &lt;tobbe79&#064;4mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick &lt;bouncycastle_pfitz#064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

Henrik Andersson &lt;k.henrik.andersson#064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.

Cagdas Cirir &lt;cagdascirir#064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri_23#064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

Pedro Henriques &lt;pmhenriques#064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimmeringer &lt;job#kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.

Richard Farr &lt;farr.se#064gmail.com&gt; - initial SRP-6a implementation.

Thomas Castiglione &lt;castiglione#064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.

Elisabetta Romani &lt;eromani#064sogei.it&gt; - patch for recognising multiple counter signatures.

Robin Lundgren &lt;rlundgren#064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec &lt;mormegil#centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener &lt;antener_a#064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat &lt;hsrawat#064yahoo.com&gt; - fix for BERConstructedOctetString.
<li>Rolf Lindemann &lt;lindemann@064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov &lt;alexart.xart.home@064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons@064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_hCole@064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystores.</li>
<li>Tomas Krivanek &lt;tom@064attack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kil&amp;aring;ns &lt;markus@064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darionis@064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith@064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio@064gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alex@064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant &lt;waynedgrant@064gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info@064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner &lt;jan@064dittberner.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;boab.mcgoo@064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis &lt;i.matheis@064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;messche@064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfmalff@064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso.massa@064insieli.it&gt; contributions to CMS time stamp classes.</li>
<li>Giaco Boccardo &lt;gboccardo@064unimatica.it&gt; initial work on CMSTimeStampedDataParser.</li>
<li>Arsis Tartu &lt;arnis@064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski &lt;J.Sikocinski@064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten &lt;liane.velten@064hj-pconsulting.com&gt; fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev &lt;akrachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking &lt;mickael.laiking@064keynectis.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.
Andreas Schmid &lt;andreas.schmid@08tngtech.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.

Petar Petrov &lt;p.petrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates.

Andy Neilson &lt;Andy.Neilson@064quest.com&gt; a further patches to deal with multiple providers and PEMReader.

Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth &lt;Eleriseth@WPECGLtYbVi8Rl6Y7Vzl2Lvd2EUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny@064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;pilf_b@064yahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lid&eacute;n Borell &lt;samuel@primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner@064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington@064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threesfish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad@064primekey.se&gt; patch for working arround JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin@064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;t5555d@064gmail.com&gt; initial cut of DVCS classes.

Damian Kolas &lt;fatfreddy@064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes@064blueyonder.co.uk&gt; patches for supporting PGPPrivateKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev@064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.
<li>Daniele Ricci &lt;daniele.athome@#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li>Matti Aarnio &lt;matti.aarnio@#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEmithRSA to lightweight RSADigestSigner.</li>
<li>Babak Najafi &lt;bnajafi@#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.</li>
<li>Eric M&amp;uuml;uml;ller &lt;eric.mueller@#064age.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>
<li>Mathias Herberts &lt;Mathias.Herberts@#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.</li>
<li>Daniil Ivanov &lt;daniil.ivanov@#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.</li>
<li>Daniele Grasso &lt;daniele.grasso86@#064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin &lt;cindrhc@#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li>Arnis Tartu &lt;arnis@#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>AxelVDB &lt;axel-vdb@#064riseup.net&gt; initial implementation of Shacal2.</li>
<li>Roberto Tyley &lt;@&gt; further work on completing gradle build.</li>
<li>Waldemar Dick &lt;wdick@#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward@#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
<li>Alex Klyubin &lt;klyubin@#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;gsoc.student@#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter &lt;andreas.reiter@#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller &lt;kieran.miller@#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli&lt;ehli@#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt&lt;Daniel.Heldt@#064cryptovision.com&gt; Initial support for encodable state message digests</li>
<li>Robert Bushman &lt;bouncycastle@#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts&lt;maarts@#064iscure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li>Franziskus Kiefer&lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>KB Sriram&lt;mail_kb@yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulze&lt;marco@#064nighlabs.de&gt; Reported verification bug in GenericSigner.</li>
<li>Martin Schaefer&lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.</li>
<li>dstutz&lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Tobias Wich&lt;tobias.wich@#064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens&lt;hauke@#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman&lt;dmz@#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza&lt;j.kapitza@schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in
OpenPGP API.

- Johan Eklund &lt;johan@primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.
- nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch &lt;axel-vdb@riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2bDigest.
- Derek Atkins &lt;derek@ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.
- Peter Jr Halicky &lt;peto@halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.
- Thomas Belot &lt;thomas.belot+BC@gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.
- Rich DiCroce &lt;https://github.com/rdcroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
- Björn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).
- Dominik Schummermann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPublicKey, method for exposing 52K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.
- Michael &lt;MSKnete@064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.
- bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.
- Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.
- Jan Willem Janssen &lt;https://github.com/jw.janssen+bouncycastle@xtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.
- Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.
- Kai Kramer &lt;kai.kramer@064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.
- Benoit Charles &lt;benoit.charles@opentrust.com&gt; Fix for IES data length check on decryption.
- Niko &lt;nfink95@064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.
- akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for varient keys.
- Matthias Edelhoff &lt;Matthias.Edelhoff@cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.
- Lukasz Deputat &lt;lukasz.deputat@064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].
- Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGObjectFactory to handle stream packets at start of iterated data.
- Andrzejacutte Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.
- Slawomir Jaranowski &lt;https://github.com/slawekjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.
Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.

William Glanton &lt;wglanton77&#064;gmail.com&gt; Fixed bug in Poly1305 [#BIA-620].

jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegle &lt;jnaegle&#064;grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.

Gorka Irazoqui &lt;girazoki&#064;wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch&#064;veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSA PublicKey.

Alexandr Krivoshta &lt;wipe&#064;ya.ru&gt; N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storojs72&#064;gmail.com&gt; N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu&#064;samsung.com&gt; Constructor patches to CMC PKIData.

Evangelos Karatsiolis &lt;ekaratsiolis&#064;64mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland&#064;stud.tu-darmstadt.de&gt; Initial XMSS/XMSSMT implementation.

didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.

Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storojs72&#064;gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser&#064;54-di.de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.

codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.

ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

jminner &lt;https://github.com/jminner&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.

Scott Woodward &lt;scott&#064;064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPt bounds checking.

chris mccown &lt;0xchrismccown&#064;gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.
Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().

Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.

Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.

Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.1

Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.

Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.

catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).

gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.

fgrieu &lt;fgrieu@gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.

MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

Andreas Gadermaier &lt;up.gadermaier@gmail.com&gt; initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.


Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.

sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.

Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.

Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.

Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadox fixes.

Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.

Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.

Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer@truesec.se&gt; Additional improvements to constant time comparisons.

Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.

THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.

Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.

gaelalari&lt;https://github.com/gaelalari&gt; Patch for unprotected PGP private keys as SExpr.

im-scooter &lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.

Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.
<li>dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
<li>Daniel Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;tobias@pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
</ul>

1.1516 neo4j-csv 3.5.14

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1.1518 spring-expression 4.3.7.RELEASE

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Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/admin/CommandResponse.java
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/MultiOperationRecord.java
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/watch/WatchesPathReport.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/watch/WatchesReport.java
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jar/org/apache/zookeeper/common/AtomicFileWritingIdiom.java
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/common/Time.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/ZooKeeperServerShutdownHandler.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/KeeperException.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/Version.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/cli/ReconfigCommand.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/Stats.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/ObjectFactory.java
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/watch/WatchedEvent.java
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/cli/SyncCommand.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/cli/SetCommand.java
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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/watch/PathParentIterator.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/watch/WatcherMode.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/util/CircularBlockingQueue.java

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* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/util/MessageTracker.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/util/CircularBuffer.java
* /opt/ws_local/PERMITS_SQL/1070629544_1594725510.84/0/zookeeper-3-6-1-sources-jar/org/apache/zookeeper/server/watch/WatcherModeManager.java

1.1528 kerb-identity 1.1.0
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1.1529 jackson-jaxrs-json-provider 2.10.1

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1.1530 tar 1.30

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1.1533 pythonurllib 1.13.1 2ubuntu0.16.04.3

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# Contributions to the urllib3 project

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  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

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  * Non-multipart encoding for POST requests

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* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

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* Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>  
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
* Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graaffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration
* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddrdiddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from ```HTTPResponse.stream()```

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]
1.1534 angular-ui-select 0.18.1
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1.1535 jsr311-api 1.1.2.r612

1.1536 commons-digester 1.8
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Files: getopt.c

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#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS                                                 
    uv__io_t event_watcher;                                                      

#define UV_IO_PRIVATE_PLATFORM_FIELDS                                              
    int rcount;                                                              
    int wcount;                                                             

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

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1.1571 jackson 2.9.8

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bs symbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srch)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srch)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srch)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed "\"s/\(.*\)\.o:[ ]*:/\1.o $@ : /g\" > $@; \n[ -s $@ ]|| rm -f $@' 
%.d: $(srcdir)/%.cpp
 @echo "generating dependency information for $<"
 @$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "\"s/\(.*\)\.o:/.o $@ : /g\" > $@; \n[ -s $@ ]|| rm -f $@' 

## Dependency rules

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bs symbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

1.1574 neo4j-logging 3.5.4

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+ Anand Kumria <wildfire@progsoc.org>
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 *
 */

/* Use the google proprietary format which is:
   { <kid1>: <x5091>, <kid2>: <x5092>, ... } */

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/security/credentials/jwt/jwt_verifier.cc

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*
*/
/** Signal that the call is cacheable. GRPC is free to use GET verb */

--

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/include/grpc/impl/codegen/grpc_types.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/filters/http/client/http_client_filter.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/cares/cares/ares_destroy.c 
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  */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_info.c
  */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_lib.c

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/pollset_uv.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/surface/channel_stack_type.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/transport/error_utils.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/transport/combiner.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/combiner.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/slice/slice_intern.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/surface/channel_init.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/cares/cares/ares_gethostbyname.c
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/obj/obj_dat.h
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bazel/src/ssl/d1_pkt.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/tsi/transport_security_grpc.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/grpclb/grpclb_client_stats.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/ev_epoll1_linux.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/lockfree_event.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/inproc/inproc_transport.h
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/timer_manager.cc
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/gpr/atm.cc
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/lockfree_event.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/proxy_mapper.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/compression/stream_compression.cc
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/gprpp/map.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/dsa/dsa_asn1.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/dh/dh_asn1.c

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/* Only resume if the session's version matches the negotiated
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_session.cc
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_lib.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_cipher.cc

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/resolve_address.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/lb_policy/xds/xds.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/resolve_address_custom.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/security/security_connector/load_system_roots_linux.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/tsi/alts/frame_protector/alts_counter.cc
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/tcp_server.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/cfstream_handle.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/internal_errqueue.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/tcp_pool_custom.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/xds/xds_api.h
gz/src/core/lib/security/credentials/local/local_credentials.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/tsi/session_cache/session_boringssl.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/local_subchannel_pool.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/server_address.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/security/credentials/tls/grpc_tls_credentials_options.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/security/credentials/alts/check_gcp_environment_linux.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/security/credentials/alts/check_gcp_environment.h
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/security/security_connector/ssl/ssl_security_connector.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/security/security_connector/tls/tls_security_connector.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/iomgr/dynamic_annotations.h
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/iomgr/dynamic_annotations.h
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/iomgr/tcp_client.cc
* /opt/cola/permits/106983131_1601931905.64/0/grpc-l-28-0-gem/data-tar-gz/src/core/lib/iomgr/tcp_client Cfstream.cc
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/dsa/dsa.c
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/cares/cares/ares_parse_txt_reply.c
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_skey.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_enum.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_bcons.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_akey.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pkcs8/INTERNAL.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pkcs8/x509.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_prm.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_pkcs8.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/x509_trs.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/pkcs8.h
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bazel/src/crypto/pem/pem_x509.c
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*/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/bn.h

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/ec_key.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/dtls_method.cc
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/internal.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/sha/x509v3/internal.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/x509v3.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/x509v3util.c

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_genn.c

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* 
* Originally written by Shay Gueron (1, 2), and Vlad Krasnov (1)
* (1) Intel Corporation, Israel Development Center, Haifa, Israel
* (2) University of Haifa, Israel
* 
* Reference:
* S.Gueron and V.Krasnov, "Fast Prime Field Elliptic Curve Cryptography with
* 256 Bit Primes"
*/

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*/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/p256-x86_64.c
*/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/p256-x86_64.h
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gz/third_party/address_sorting/address_sorting_windows.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-
gz/third_party/address_sorting/address_sorting_posix.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-
gz/third_party/address_sorting/address_sorting.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-
gz/third_party/address_sorting/include/address_sorting/address_sorting.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-
gz/third_party/address_sorting/address_sorting_internal.h

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/include/grpc/grpc.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/json/json_reader.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/surface/server.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-
gz/src/core/lib/surface/completion_queue.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/filters/client_channel/resolver/sockaddr/sockaddr_resolver.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/ev_poll_posix.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/security/credentials/composite/composite_credentials.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/include/grpc/census.h

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/pool/pool.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/rand_extra/deterministic.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/pool/internal.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/curve25519/spake25519.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/include/openssl/pool.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/cpu-arm-linux.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/include/openssl/obj_mac.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/cpu-aarch64-linux.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/ssl/tls13_both.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/ssl/tls13_client.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/cpu-ppc64le.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/ssl/tls13_server.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/bytestring/asn1_compat.c

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_pcia.c
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   /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/s3_both.cc

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version 1.2.11, January 15th, 2017

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jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_pcons.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/v3_pmaps.c

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 * The implementation was written so as to conform with Netscapes SSL.
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/err/err.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/err.h

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* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster  
* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing  
* tables for updating the shift register in one step with three exclusive-ors  
* instead of four steps with four exclusive-ors. This results in about a  
* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.  
*  
*/

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/\* inftrees.h -- header to use inftrees.c  
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*  
*/

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// Inspired by Daniel J. Bernstein's public domain nistp224 implementation
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*/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/ec/ec_montgomery.c

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/socket_mutator.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/stream_map.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/gprpp/thd_posix.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/include/grpc/support/atm_gcc_sync.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/security/credentials/oauth2/oauth2_credentials.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/timer.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/transport/timeout_encoding.cc
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-targ-gz/src/core/lib/iomgr/pollset_set_windows.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-c-1-28-0-gem/data-tar-
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-c-1-28-0-gem/data-tar-
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-c-1-28-0-gem/data-tar-
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-c-1-28-0-gem/data-tar-
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/varint.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/frame_settings.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/pollset_set_windows.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/tcp_client_posix.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/hpack_encoder.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/ssl_transport_security.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/ssl_transport_security.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/ssl_transport_security.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/socket_windows.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/gpr/string_windows.cc
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/src/core/lib/iomgr/timer_heap.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/include/grpc/support/port_platform.h
/* zutil.c -- target dependent utility functions for the compression library
 * Copyright (C) 1995-2017 Jean-loup Gailly
 * For conditions of distribution and use, see copyright notice in zlib.h
 */

Found in path(s):
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/zlib/zutil.c
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/* uncompr.c -- decompress a memory buffer
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 */

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/zlib/uncompr.c
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  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/siphash.h
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/p_x25519_asn1.c
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/fips_shared_support.c
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/siphash/siphash.c
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/ec_extra/ec_derive.c
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/p_x25519.c
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/modes/gcm_nohw.c
  * /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/aes/aes_nohw.c

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* /
* Found in path(s):
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/tls1.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/abseil-cpp/absl/base/internal/hide_ptr.h
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  cpp/absl/strings/str_format.h
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MPRfwCvowcvk+QIDAQAOBo1mewUTAPBgNvHRMBAf8EBTADAQHfMB0GA1UDgQWBBTBA
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# Label: "Security Communication Root CA"
# Serial: 0

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# Serial: 29
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# Serial: 107108908803651506992980124233745014957
# SHA256 Fingerprint:
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-----END CERTIFICATE-----
# Issuer: CN=SecureTrust CA O=SecureTrust Corporation
# Subject: CN=SecureTrust CA O=SecureTrust Corporation
# Label: "SecureTrust CA"
# Serial: 1719977458912527788362757014266862032
# SHA256 Fingerprint:

----BEGIN CERTIFICATE-----

# Issuer: CN=Secure Global CA O=SecureTrust Corporation
# Subject: CN=Secure Global CA O=SecureTrust Corporation
# Label: "Secure Global CA"
# Serial: 9751836167731051554232119481456978597

----END CERTIFICATE-----

# Issuer: CN=Secure Global CA O=SecureTrust Corporation
# Subject: CN=Secure Global CA O=SecureTrust Corporation
# Label: "Secure Global CA"
# Serial: 7951836167731051554232119481456978597

----END CERTIFICATE-----
Open Source Used in SDWan 20.4.1  16200

---END CERTIFICATE-----

# Issuer: CN=COMODO Certification Authority O=COMODO CA Limited
# Subject: CN=COMODO Certification Authority O=COMODO CA Limited
# Label: "COMODO Certification Authority"
# Serial: 104350513648249199850898538446573

---BEGIN CERTIFICATE-----

MIIEHTCCAwWgAwIBAgIQToEtioJl4AsC7j41AkhlPTANBgkqhkiG9w0BAQUFADBCh
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---END CERTIFICATE-----
# Subject: CN=thawte Primary Root CA - G3 O=thawte, Inc. OU=Certification Services Division/(c) 2008 thawte, Inc. - For authorized use only
# Label: "thawte Primary Root CA - G3"
# Serial: 12761415705668129980556476275995414779
# SHA256 Fingerprint:
# Issuer: CN=GeoTrust Primary Certification Authority - G2 O=GeoTrust Inc. OU=(c) 2007 GeoTrust Inc. - For authorized use only
# Subject: CN=GeoTrust Primary Certification Authority - G2 O=GeoTrust Inc. OU=(c) 2007 GeoTrust Inc. - For authorized use only
# Label: "GeoTrust Primary Certification Authority - G2"
# Serial: 806828632038106578217790871974619243
# MD5 Fingerprint: 01:5e:d8:6b:bd:6f:3d:8e:1a:31:38:12:e0:98:73:6a
# SHA256 Fingerprint:

---BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----

---BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----
# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----
MIIF8TCCA9mgAwIBAgIQALC3WhZIX7/hy/WL1xnmfTANBgkqhkiG9w0BAQsFADA4

# Issuer: CN=Izenpe.com O=IZENPE S.A.
# Subject: CN=Izenpe.com O=IZENPE S.A.
# Label: "Izenpe.com"

# Serial: 917563065490389241595536686991402621
# SHA1 Fingerprint: 917563065490389241595536686991402621
# SHA256 Fingerprint: 917563065490389241595536686991402621
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NTk1OVoWgYmxCaZJBgNVBAYTAlVTMRAwDgYDVQQIEdBcmd6b25hMRwwEQQyDVQQH
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EDQYJKoZIhvcNAQEBBQADggIBAgECEwYIKwYBBQUHAgECEwYIKwYBBQUHAgECEww
# Issuer: CN=Starfield Root Certificate Authority  - G2 O=Starfield Technologies, Inc.
# Subject: CN=Starfield Root Certificate Authority  - G2 O=Starfield Technologies, Inc.
# Label: "Starfield Root Certificate Authority - G2"
# Serial: 0
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MIID3TCCAsWgAwIBAgIBADANBgkqhkiG9w0BAQsFADCBjzELMAkGA1UEBhMCVVMx
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ZHJvamVjdCBtb2RlIENlcnRpZmljYXRlIEF1dGhvcml0eSBIEC5MTExMTEwLwYDVQ
-----END CERTIFICATE-----

Open Source Used In SDWan 20.4.1  16218
# Issuer: CN=AffirmTrust Premium O=AffirmTrust
# Subject: CN=AffirmTrust Premium O=AffirmTrust
# Label: "AffirmTrust Premium"
# Serial: 789370654073452110
# SHA256 Fingerprint:


-----BEGIN CERTIFICATE-----
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-----END CERTIFICATE-----

# Issuer: CN=AffirmTrust Premium ECC O=AffirmTrust
# Subject: CN=AffirmTrust Premium ECC O=AffirmTrust
# Label: "AffirmTrust Premium ECC"
# Serial: 789370654073452110
# SHA256 Fingerprint:


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cnVzQzCBQcmVtXvMeOTc5OTI3cNOXmYgArBhMCVVMxFDASBgNVBAoMC0FmZmlybVRydXN0MRwwGgYDVQQDBBNzMzpmc1U
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-----END CERTIFICATE-----
# Issuer: CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority
# Subject: CN=Certum Trusted Network CA O=Unizeto Technologies S.A. OU=Certum Certification Authority
# Label: "Certum Trusted Network CA"
# Serial: 279744

---END CERTIFICATE---
# Label: "TWCA Root Certification Authority"
# Serial: 1
# SHA256 Fingerprint: 16223

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MIIDezCCAmOgAwIBAgIBATANBgkqhkiG9w0BAQUFADBFBMQswCQYDVQQGEwJUdwEw
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-----END CERTIFICATE-----

# Issuer: O=SECOM Trust Systems CO., LTD.
# Subject: O=SECOM Trust Systems CO., LTD.
# Label: "Security Communication RootCA2"
# Serial: 0

-----BEGIN CERTIFICATE-----

MIIDdzCCAl+gAwIBAgIBADANBgkqhkiG9w0BAQUFADBdMQswCQYDVQQGEwJKUDEl
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-----END CERTIFICATE-----
-----BEGIN CERTIFICATE-----
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dEQGASBAJeAMIG0GCSqGSIb3DQEJCgoib3NzczcuZ29vZ2xlLmNvbS93d3c+
-----END CERTIFICATE-----

# Issuer: O=Trustis Limited OU=Trustis FPS Root CA
# Subject: O=Trustis Limited OU=Trustis FPS Root CA
# Label: "Trustis FPS Root CA"
# Serial: 360536403739903403742984997563710553

-----BEGIN CERTIFICATE-----
MIIDZzCCAk+gAwIBAgIQGx+ttiD5JNM2a/fH8yygWTANBgkqhkiG9w0BAQUFAwIg
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------END CERTIFICATE------
Open Source Used In SDWan

-----BEGIN CERTIFICATE-----
MIIFQTCCAymgAwIBAgICDL4wDQYJKoZIhvcNAQELBQAwUTELMAkGA1UEBhMCVFcx
EjAQBgMBAG8GA1UdIwQYMBAGA1UEAxMTVFdDQSBHbG9iYWwgUm9vdCBDQTAeFw0xMjA2MjcwNjI4MzNaFw0zMDEyMzExNTU5NTlaMFExCzAJBgNVBAYTAlRXMRIwEAYDVQQKEwlUQUlXQU4tQ0Ex
-----END CERTIFICATE-----

# Issuer: CN=TWCA Global Root CA O=TAIWAN-CA OU=Root CA
# Subject: CN=TWCA Global Root CA O=TAIWAN-CA OU=Root CA
# Label: "TWCA Global Root CA"
# Serial: 3262

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-----END CERTIFICATE-----
Open Source Used In SDWan 20.4.1 16236

# Issuer: CN=T-TeleSec GlobalRoot Class 2 O=T-Systems Enterprise Services GmbH OU=T-Systems Trust Center
# Subject: CN=T-TeleSec GlobalRoot Class 2 O=T-Systems Enterprise Services GmbH OU=T-Systems Trust Center
# Label: "T-TeleSec GlobalRoot Class 2"
# Serial: 1

---BEGIN CERTIFICATE-----

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-----END CERTIFICATE-----

# Issuer: CN=DigiCert Global Root G2 O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Global Root G2 O=DigiCert Inc OU=www.digicert.com
# Label: "DigiCert Global Root G2"
# Serial: 4293743540046975378534879503022025341

# SHA256 Fingerprint:
# BEGIN CERTIFICATE-----

# Issuer: CN=DigiCert Global Root G3 O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Global Root G3 O=DigiCert Inc OU=www.digicert.com

# Issuer: CN=DigiCert Global Root G3 O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Global Root G3 O=DigiCert Inc OU=www.digicert.com

-----END CERTIFICATE-----

# Issuer: CN=DigiCert Global Root G3 O=DigiCert Inc OU=www.digicert.com
# Subject: CN=DigiCert Global Root G3 O=DigiCert Inc OU=www.digicert.com

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# Issuer: CN=OISTE WISEKey Global Root CA O=WISEKey CA C=DE
# Subject: CN=OISTE WISEKey Global Root CA O=WISEKey CA C=DE
# Label: "OISTE WISEKey Global Root CA"
# Serial: 1577685956165884442159278967657057568

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-----BEGIN CERTIFICATE-----

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---END CERTIFICATE-----

# Issuer: CN=SZAFIR ROOT CA2 O=Krajowa Izba Rozliczeniowa S.A.
# Subject: CN=SZAFIR ROOT CA2 O=Krajowa Izba Rozliczeniowa S.A.
# Label: "SZAFIR ROOT CA2"
# Serial: 35704303476718691421727734458738743377558296292

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# Subject: CN=Amazon Root CA 1 O=Amazon
# Label: "Amazon Root CA 1"
# Serial: 14326697891665585687803471231723005453869994
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# Subject: CN=Amazon Root CA 3 O=Amazon
# Issuer: "Amazon Root CA 3"
# Serial: 14326698669901076629470035381230934788665930
# SHA256 Fingerprint:

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# Subject: CN=Amazon Root CA 4 O=Amazon
# Label: "Amazon Root CA 4"
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---END CERTIFICATE-----

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# Subject: CN=LuxTrust Global Root 2 O=LuxTrust S.A.
# Label: "LuxTrust Global Root 2"
# Serial: 59914338225734147123941058736788110305822489521
# MD5 Fingerprint: b2:e1:09:00:61:af:f7:f1:91:6f:6c:ad:8d:5e:3b:7c

---BEGIN CERTIFICATE-----
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---END CERTIFICATE-----
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# SHA256 Fingerprint:

-----BEGIN CERTIFICATE-----

# Issuer: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1 O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK OU=Kamu Sertifikasiyon Merkezi - Kamu SM
# Subject: CN=TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1 O=Turkiye Bilimsel ve Teknolojik Arastirma Kurumu - TUBITAK OU=Kamu Sertifikasiyon Merkezi - Kamu SM
# Label: "TUBITAK Kamu SM SSL Kok Sertifikasi - Surum 1"
# Serial: 1
# MD5 Fingerprint: dc:00:81:dc:69:2f:3e:2f:b0:3b:f6:3d:5a:91:8e:49
# SHA256 Fingerprint:

-----END CERTIFICATE-----
# Issuer: CN=OISTE WISeKey Global Root GC CA O=WISeKey OU=OISTE Foundation Endorsed
# Subject: CN=OISTE WISeKey Global Root GC CA O=WISeKey OU=OISTE Foundation Endorsed
# Label: "OISTE WISeKey Global Root GC CA"
# Serial: 44084345620108546106484056543615255
# SHA256 Fingerprint:
------BEGIN CERTIFICATE-----

# Issuer: CN=GTS Root R1 O=Google Trust Services LLC
# Subject: CN=GTS Root R1 O=Google Trust Services LLC
# Label: "GTS Root R1"
# Serial: 1465871597165017618439757810265552097
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/ssl_aead_ctx.cc
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   */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/internal.h
   */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/include/openssl/ex_data.h
   */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/fipsmodule/bn/prime.c
   */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/fipsmodule/bn/gcd.c
   */opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
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/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_cache.c
/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_node.c
/opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_lib.c

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/x509v3/pcy_int.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/includeopenssl/span.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pkcs7/pkcs7_x509.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
bazel/src/crypto/fipsmodule/rand/ctrdrbg.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/is_boringssl.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/rand_extra/rand_extra.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/pkcs7/internal.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/evp/p_ed25519_asn1.c
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/delocate.h

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  * /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/include/openssl/pkcs7.h
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bazel/src/crypto/crypto.c
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* /opt/cola/permits/106983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/cpu-arm.c

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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/ssl/s3_lib.cc
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/modes/gcm.c
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-bazel/src/crypto/fipsmodule/modes/internal.h
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* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
  bazel/src/include/openssl/ecdh.h
* /opt/cola/permits/1096983131_1601931905.64/0/grpc-1-28-0-gem/data-tar-gz/third_party/boringssl-with-
  bazel/src/crypto/fipsmodule/ecdh/ecdh.c

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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1.1604 jaxb-impl 2.2.7

1.1605 go-yaml 2.2.8

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Getopt for GNU.
NOTE: gnu_getopt is now part of the C library, so if you don't know what "Keep this file name-space clean" means, talk to roland@gnu.ai.mit.edu before changing it!

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/* modified July 9, 1999 by mark gates <mgates@nlanr.net>
 * Dec 17, 1999
 * renamed all functions and variables by prepending "gnu_"
 * removed/redid a bunch of stuff under the assumption we're
 * using a modern standard C compiler.
 * add #include <string.h> here for strncmp(). Originally
 * it was included only under special conditions.
 *
 * $Id: gnu_getopt.c,v 1.1.1.1 2004/05/18 01:50:44 kgibbs Exp $
 */

#include <stdio.h>
#include <stdlib.h>
#ifdef _MSC_VER /* Visual C++ doesn't have unistd.h */
    #include <unistd.h>
#endif
#include <string.h>
#ifdef _
    /* This is for other GNU distributions with internationalized messages.
     * When compiling libc, the _ macro is predefined. */
    #ifdef HAVE_LIBINTL_H
        #include <libintl.h>
        #define _(msgid) gettext (msgid)
    #else
        #define _(msgid) (msgid)
    #endif
#endif
/* This version of `gnu_getopt' appears to the caller like standard
Unix `getopt' but it behaves differently for the user, since it
allows the user to intersperse the options with the other
arguments.

As `gnu_getopt' works, it permutes the elements of ARGV so that,
when it is done, all the options precede everything else. Thus
all application programs are extended to handle flexible argument order.

Setting the environment variable POSIXLY_CORRECT disables permutation.
Then the behavior is completely standard.

GNU application programs can use a third alternative mode in which
they can distinguish the relative order of options and other arguments. */
#include "gnu_getopt.h"

#ifdef __cplusplus
extern "C" { 
#endif
/* For communication from `gnu_getopt' to the caller.
When `gnu_getopt' finds an option that takes an argument,
the argument value is returned here.
Also, when `ordering' is RETURN_IN_ORDER,
each non-option ARGV-element is returned here. */
char *gnu_optarg = NULL;
/* Index in ARGV of the next element to be scanned.
This is used for communication to and from the caller
and for communication between successive calls to `gnu_getopt'.

On entry to `gnu_getopt', zero means this is the first call; initialize.

When `gnu_getopt' returns -1, this is the index of the first of the non-option elements that the caller should itself scan.

Otherwise, `gnu_optind' communicates from one call to the next how much of ARGV has been scanned so far. */

/* 1003.2 says this must be 1 before any call. */
int gnu_optind = 1;

/* Formerly, initialization of gnu_getopt depended on gnu_optind==0, which causes problems with re-calling gnu_getopt as programs generally don't know that. */
int __gnu_getopt_initialized = 0;

/* The next char to be scanned in the option-element in which the last option character we returned was found. This allows us to pick up the scan where we left off.

If this is zero, or a null string, it means resume the scan by advancing to the next ARGV-element. */
static char *nextchar;

/* Callers store zero here to inhibit the error message for unrecognized options. */
int gnu_opterr = 1;

/* Set to an option character which was unrecognized. This must be initialized on some systems to avoid linking in the system's own gnu_getopt implementation. */
int gnu_optopt = '?';

/* Describe how to deal with options that follow non-option ARGV-elements.

If the caller did not specify anything, the default is REQUIRE_ORDER if the environment variable POSIXLY_CORRECT is defined, PERMUTE otherwise.

REQUIRE_ORDER means don't recognize them as options; stop option processing when the first non-option is seen.
This is what Unix does.
This mode of operation is selected by either setting the environment variable POSIXLY_CORRECT, or using `+` as the first character of the list of option characters.

PERMUTE is the default. We permute the contents of ARGV as we scan, so that eventually all the non-options are at the end. This allows options to be given in any order, even with programs that were not written to expect this.

RETURN_IN_ORDER is an option available to programs that were written to expect options and other ARGV-elements in any order and that care about the ordering of the two. We describe each non-option ARGV-element as if it were the argument of an option with character code 1. Using `-' as the first character of the list of option characters selects this mode of operation.

The special argument `--' forces an end of option-scanning regardless of the value of `ordering'. In the case of RETURN_IN_ORDER, only `--' can cause `gnu_getopt' to return -1 with `gnu_optind' != ARGC. */

static enum {
    REQUIRE_ORDER, PERMUTE, RETURN_IN_ORDER
} ordering;

/* Value of POSIXLY_CORRECT environment variable. */
static char *posixly_correct;

/* Avoid depending on library functions or files whose names are inconsistent. */
static char *my_index( const char* str, int chr ) {
    while ( *str ) {
        if ( *str == chr ) {
            return(char *) str;
            str++;
        }
    }
    return 0;
}

/* Handle permutation of arguments. */
/* Describe the part of ARGV that contains non-options that have been skipped. `first_nonopt' is the index in ARGV of the first of them; `last_nonopt' is the index after the last of them. */
static int first_nonopt;
static int last_nonopt;

/* Exchange two adjacent subsequences of ARGV.
One subsequence is elements [first_nonopt, last_nonopt)
which contains all the non-options that have been skipped so far.
The other is elements [last_nonopt, gnu_optind), which contains all
the options processed since those non-options were skipped.

`first_nonopt' and `last_nonopt' are relocated so that they describe
the new indices of the non-options in ARGV after they are moved. */

static void exchange( char **argv );

static void
exchange( char **argv ) {
    int bottom = first_nonopt;
    int middle = last_nonopt;
    int top = gnu_optind;
    char *tem;

    /* Exchange the shorter segment with the far end of the longer segment.
    That puts the shorter segment into the right place.
    It leaves the longer segment in the right place overall,
    but it consists of two parts that need to be swapped next. */

    while ( top > middle && middle > bottom ) {
        if ( top - middle > middle - bottom ) {
            /* Bottom segment is the short one. */
            int len = middle - bottom;
            register int i;

            /* Swap it with the top part of the top segment. */
            for ( i = 0; i < len; i++ ) {
                tem = argv[bottom + i];
                argv[bottom + i] = argv[top - (middle - bottom) + i];
                argv[top - (middle - bottom) + i] = tem;
            }
            /* Exclude the moved bottom segment from further swapping. */
            top -= len;
        } else {
            /* Top segment is the short one. */
            int len = top - middle;
            register int i;

            /* Swap it with the bottom part of the bottom segment. */
            for ( i = 0; i < len; i++ ) {
                tem = argv[bottom + i];
                argv[bottom + i] = argv[top - (middle - bottom) + i];
                argv[top - (middle - bottom) + i] = tem;
            }
        }
    }
}
argv[bottom + i] = argv[middle + i];
argv[middle + i] = tem;
}
/* Exclude the moved top segment from further swapping. */
bottom += len;
}

/* Update records for the slots the non-options now occupy. */
first_nonopt += (gnu_optind - last_nonopt);
last_nonopt = gnu_optind;
}

/* Initialize the internal data when the first call is made. */
static const char *
_gnu_getopt_initialize( int argc,
    char *const * argv,
    const char *optstring );

static const char *
_gnu_getopt_initialize( int argc,
    char *const * argv,
    const char *optstring ) {
    /* Start processing options with ARGV-element 1 (since ARGV-element 0
     * is the program name); the sequence of previously skipped
     * non-option ARGV-elements is empty. */

    first_nonopt = last_nonopt = gnu_optind = 1;

    nextchar = NULL;

    posixly_correct = getenv("POSIXLY_CORRECT");

    /* Determine how to handle the ordering of options and nonoptions. */

    if ( optstring[0] == '-' ) {
        ordering = RETURN_IN_ORDER;
        ++optstring;
    } else if ( optstring[0] == '+' ) {
        ordering = REQUIRE_ORDER;
        ++optstring;
    } else if ( posixly_correct != NULL )
        ordering = REQUIRE_ORDER;
    else
        ordering = PERMUTE;
return optstring;
}

/* Scan elements of ARGV (whose length is ARGC) for option characters
given in OPTSTRING.

If an element of ARGV starts with '-', and is not exactly "-" or "--",
then it is an option element. The characters of this element
(aside from the initial '-') are option characters. If `gnu_getopt'
is called repeatedly, it returns successively each of the option characters
from each of the option elements.

If `gnu_getopt' finds another option character, it returns that character,
updating `gnu_optind' and `nextchar' so that the next call to `gnu_getopt' can
resume the scan with the following option character or ARGV-element.

If there are no more option characters, `gnu_getopt' returns -1.
Then `gnu_optind' is the index in ARGV of the first ARGV-element
that is not an option. (The ARGV-elements have been permuted
so that those that are not options now come last.)

OPTSTRING is a string containing the legitimate option characters.
If an option character is seen that is not listed in OPTSTRING,
return '?' after printing an error message. If you set `gnu_opterr' to
zero, the error message is suppressed but we still return '?'.

If a char in OPTSTRING is followed by a colon, that means it wants an arg,
so the following text in the same ARGV-element, or the text of the following
ARGV-element, is returned in `gnu_optarg'. Two colons mean an option that
wants an optional arg; if there is text in the current ARGV-element,
it is returned in `gnu_optarg', otherwise `gnu_optarg' is set to zero.

If OPTSTRING starts with `-' or `+', it requests different methods of
handling the non-option ARGV-elements.
See the comments about RETURN_IN_ORDER and REQUIRE_ORDER, above.

Long-named options begin with `--' instead of `-'.
Their names may be abbreviated as long as the abbreviation is unique
or is an exact match for some defined option. If they have an
argument, it follows the option name in the same ARGV-element, separated
from the option name by a `=', or else the in next ARGV-element.
When `gnu_getopt' finds a long-named option, it returns 0 if that option's
`flag' field is nonzero, the value of the option's `val' field
if the `flag' field is zero.

The elements of ARGV aren't really const, because we permute them.
But we pretend they're const in the prototype to be compatible
with other systems.
LONGOPTS is a vector of `struct option' terminated by an element containing a name which is zero.

LONGIND returns the index in LONGOPT of the long-named option found. It is only valid when a long-named option has been found by the most recent call.

If LONG_ONLY is nonzero, `-' as well as `--' can introduce long-named options. */

int
_gnu_getopt_internal( int argc,
        char *const *argv,
        const char *optstring,
        const struct option *longopts,
        int *longind,
        int long_only )
{
  gnu_optarg = NULL;
  if ( !__gnu_getopt_initialized || gnu_optind == 0 ) {
    optstring = _gnu_getopt_initialize (argc, argv, optstring);
    gnu_optind = 1;    /* Don't scan ARGV[0], the program name. */
    __gnu_getopt_initialized = 1;
  }
  /* Test whether ARGV[gnu_optind] points to a non-option argument.
     Either it does not have option syntax, or there is an environment flag
     from the shell indicating it is not an option. The later information
     is only used when the used in the GNU libc. */
  #define NONOPTION_P (argv[gnu_optind][0] != '-' || argv[gnu_optind][1] == '\0')
  if ( nextchar == NULL || *nextchar == '\0' ) {
    /* Advance to the next ARGV-element. */
    /* Give FIRST_NONOPT & LAST_NONOPT rational values if OPTIND has been
       moved back by the user (who may also have changed the arguments). */
    if ( last_nonopt > gnu_optind )
      last_nonopt = gnu_optind;
    if ( first_nonopt > gnu_optind )
      first_nonopt = gnu_optind;
    if ( ordering == PERMUTE ) {
      /* If we have just processed some options following some non-options,
         exchange them so that the options come first. */
      if ( first_nonopt != last_nonopt && last_nonopt != gnu_optind )
exchange ((char **) argv);
else if ( last_nonopt != gnu_optind )
    first_nonopt = gnu_optind;

  /* Skip any additional non-options
   and extend the range of non-options previously skipped. */
  while ( gnu_optind < argc && NONOPTION_P )
    gnu_optind++;
  last_nonopt = gnu_optind;
}

  /* The special ARGV-element `--' means premature end of options. */
  Skip it like a null option,
  then exchange with previous non-options as if it were an option,
  then skip everything else like a non-option. */
  if ( gnu_optind != argc && !strcmp (argv[gnu_optind], "--") ) {
    gnu_optind++;

    if ( first_nonopt != last_nonopt && last_nonopt != gnu_optind )
      exchange ((char **) argv);
    else if ( first_nonopt == last_nonopt )
      first_nonopt = gnu_optind;
    last_nonopt = argc;
    gnu_optind = argc;
  }

  /* If we have done all the ARGV-elements, stop the scan */
  and back over any non-options that we skipped and permuted. */
  if ( gnu_optind == argc ) {
    /* Set the next-arg-index to point at the non-options */
    that we previously skipped, so the caller will digest them. */
    if ( first_nonopt != last_nonopt )
      gnu_optind = first_nonopt;
    return -1;
  }

  /* If we have come to a non-option and did not permute it, */
  either stop the scan or describe it to the caller and pass it by. */
  if ( NONOPTION_P ) {
    if ( ordering == REQUIRE_ORDER )
      return -1;
    gnu_optarg = argv[gnu_optind++];
    return 1;
/* We have found another option-ARGV-element. 
Skip the initial punctuation. */

nextchar = (argv[gnu_optind] + 1
    + (longopts != NULL && argv[gnu_optind][1] == '-'));

/* Decode the current option-ARGV-element. */

/* Check whether the ARGV-element is a long option.

If long_only and the ARGV-element has the form "-f", where f is
a valid short option, don't consider it an abbreviated form of
a long option that starts with f. Otherwise there would be no
way to give the -f short option.

On the other hand, if there's a long option "fubar" and
the ARGV-element is "-fu", do consider that an abbreviation of
the long option, just like "--fu", and not "-f" with arg "u".

This distinction seems to be the most useful approach. */

if ( longopts != NULL && (argv[gnu_optind][1] == '-'
    || (long_only && (argv[gnu_optind][2] || !my_index (optstring, argv[gnu_optind][1])))) )
    char *nameend;
    const struct option *p;
    const struct option *pfound = NULL;
    int exact = 0;
    int ambig = 0;
    int indfound = -1;
    int option_index;

    for ( nameend = nextchar; *nameend && *nameend != '='; nameend++ ) /* Do nothing. */;

    /* Test all long options for either exact match
or abbreviated matches. */
    for ( p = longopts, option_index = 0; p->name; p++, option_index++ )
        if ( strncmp (p->name, nextchar, nameend - nextchar) )
            if ( (unsigned int) (nameend - nextchar) == (unsigned int) strlen (p->name) )
                /* Exact match found. */
                pfound = p;
                indfound = option_index;
                exact = 1;
break;
} else if ( pfound == NULL ) {
/* First nonexact match found. */
pfound = p;
indfound = option_index;
} else
/* Second or later nonexact match found. */
ambig = 1;
}

if ( ambig && !exact ) {
if ( gnu_opterr )
fprintf (stderr, "(%s: option `%s' is ambiguous\n"),
argv[0], argv[gnu_optind]);
nextchar += strlen (nextchar);
gnu_optind++;
gnu_optopt = 0;
return '?';
}

if ( pfound != NULL ) {
option_index = indfound;
gnu_optind++;
if ( *nameend ) {
/* Don't test has_arg with >, because some C compilers don't
allow it to be used on enums. */
if ( pfound->has_arg )
gnu_optarg = nameend + 1;
else {
if ( gnu_opterr ) {
if ( argv[gnu_optind - 1][1] == '-' ) {
/* --option */
fprintf (stderr,
"(%s: option `--%s' doesn't allow an argument\n"),
argv[0], pfound->name);
} else {
/* +option or -option */
fprintf (stderr,
"(%s: option `%c%s' doesn't allow an argument\n"),
argv[0], argv[gnu_optind - 1][0], pfound->name);
}
}
nextchar += strlen (nextchar);
gnu_optopt = pfound->val;
return '?';
}
} else if ( pfound->has_arg == 1 ) {
    if ( gnu_optind < argc )
        gnu_optarg = argv[gnu_optind++];
    else {
        if ( gnu_opterr )
            fprintf(stderr,
"%s: option `%s' requires an argument\n"),
argv[0], argv[gnu_optind - 1]);
        nextchar += strlen (nextchar);
        gnu_optopt = pfound->val;
        return optstring[0] == ':' ? ':' : '?';
    }
}
nextchar += strlen (nextchar);
if ( longind != NULL )
    *longind = option_index;
if ( pfound->flag ) {
    *(pfound->flag) = pfound->val;
    return 0;
} return pfound->val;

/* Can't find it as a long option. If this is not gnu_getopt_long_only,
or the option starts with `--' or is not a valid short
option, then it's an error.
Otherwise interpret it as a short option. */
if ( !long_only || argv[gnu_optind][1] == '-'
    || my_index (optstring, *nextchar) == NULL ) {
    if ( gnu_opterr ) {
        if ( argv[gnu_optind][1] == '-' )
            /* --option */
            fprintf (stderr, _("%s: unrecognized option `--%s'\n"),
argv[0], nextchar);
        else /* +option or -option */
            fprintf (stderr, _("%s: unrecognized option `%c%s'\n"),
argv[0], argv[gnu_optind][0], nextchar);
    }
    nextchar = (char *) "";
    gnu_optind++;
    gnu_optopt = 0;
    return '?';
}

/* Look at and handle the next short option-character. */
{
char c = *nextchar++;
char *temp = my_index (optstring, c);
/* Increment `gnu_optind' when we start to process its last character. */
if ( *nextchar == '\0' )
++gnu_optind;
if ( temp == NULL || c == ':' ) {
if ( gnu_opterr ) {
if ( posixly_correct )
/* 1003.2 specifies the format of this message. */
fprintf (stderr, _("%s: illegal option -- %c\n"),
argv[0], c);
else
fprintf (stderr, _("%s: invalid option -- %c\n"),
argv[0], c);
}
gnu_optopt = c;
return '?';
}
/* Convenience. Treat POSIX -W foo same as long option --foo */
if ( temp[0] == 'W' && temp[1] == ';' ) {
char *nameend;
const struct option *p;
const struct option *pfound = NULL;
int exact = 0;
int ambig = 0;
int indfound = 0;
int option_index;
/* This is an option that requires an argument. */
if ( *nextchar != '\0' ) {
gnu_optarg = nextchar;
/* If we end this ARGV-element by taking the rest as an arg,
we must advance to the next element now. */
gnu_optind++;
} else if ( gnu_optind == argc ) {
if ( gnu_opterr ) {
/* 1003.2 specifies the format of this message. */
fprintf (stderr, _("%s: option requires an argument -- %c\n"),
argv[0], c);
}
gnu_optopt = c;
if ( optstring[0] == ':' )
c = ':';
else
c = '?';

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return c;
} else
/* We already incremented `gnu_optind' once;
increment it again when taking next ARGV-elt as argument. */
gnu_optarg = argv[gnu_optind++];
/* gnu_optarg is now the argument, see if it's in the
table of longopts. */
for ( nextchar = nameend = gnu_optarg; *nameend && *nameend != '='; nameend++ )
/* Do nothing. */ ;
/* Test all long options for either exact match
or abbreviated matches. */
for ( p = longopts, option_index = 0; p->name; p++, option_index++ )
if ( !strncmp (p->name, nextchar, nameend - nextchar) ) {
if ( (unsigned int) (nameend - nextchar) == strlen (p->name) ) {
/* Exact match found. */
pfound = p;
indfound = option_index;
exact = 1;
break;
} else if ( pfound == NULL ) {
/* First nonexact match found. */
pfound = p;
indfound = option_index;
} else
/* Second or later nonexact match found. */
ambig = 1;
}
if ( ambig && !exact ) {
if ( gnu_opterr )
fprintf (stderr, _("%s: option `-W %s' is ambiguous\n"),
argv[0], argv[gnu_optind]);
nextchar += strlen (nextchar);
gnu_optind++;
return '?';
}
if ( pfound != NULL ) {
option_index = indfound;
if ( *nameend ) {
/* Don't test has_arg with >, because some C compilers don't
allow it to be used on enums. */
if ( pfound->has_arg )
gnu_optarg = nameend + 1;
else {
if ( gnu_opterr )
fprintf (stderr, _("\

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%s: option `-W %s' doesn't allow an argument
),
argv[0], pfound->name);

nextchar += strlen (nextchar);
return '?';
}
} else if ( pfound->has_arg == 1 ) {
if ( gnu_optind < argc )
gnu_optarg = argv[gnu_optind++];
else {
if ( gnu_opterr )
fprintf (stderr,
_("%s: option `-%s' requires an argument\n"),
argv[0], argv[gnu_optind - 1]);
nextchar += strlen (nextchar);
return optstring[0] == ':' ? ':' : '?';
}
}
nextchar += strlen (nextchar);
if ( longind != NULL )
*longind = option_index;
if ( pfound->flag ) {
*(pfound->flag) = pfound->val;
return 0;
}
return pfound->val;
}
nextchar = NULL;
return 'W'; /* Let the application handle it. */
}
if ( temp[1] == ':' ) {
if ( temp[2] == ':' ) {
/* This is an option that accepts an argument optionally. */
if ( *nextchar != '\0' ) {
 gnu_optarg = nextchar;
gnu_optind++;
} else
gnu_optarg = NULL;
nextchar = NULL;
} else {
/* This is an option that requires an argument. */
if ( *nextchar != '\0' ) {
 gnu_optarg = nextchar;
/* If we end this ARGV-element by taking the rest as an arg,
we must advance to the next element now. */
gnu_optind++;
} else if ( gnu_optind == argc ) {
if ( gnu_opterr ) {
/* 1003.2 specifies the format of this message. */

fprintf(stderr,
        _("%s: option requires an argument -- %c\n"),
        argv[0], c);
}
gnu_optopt = c;
if ( optstring[0] == ':' )
  c = ':';
else
  c = '?';
} else
/* We already incremented `gnu_optind' once; increment it again when taking next ARGV-elt as argument. */
gnu_optarg = argv[gnu_optind++];
nextchar = NULL;
}
}
return c;
}

int
gnu_getopt (int argc,
            char *const *argv,
            const char *optstring ) {
  return __gnu_getopt_internal (argc, argv, optstring,
                                 (const struct option *) 0,
                                 (int *) 0,
                                 0);
}

#endif cplusplus
} /* end extern "C" */
#endif

#endif

/* Compile with -DTEST to make an executable for use in testing the above definition of `gnu_getopt'. */

int
main (argc, argv)
int argc;
char **argv;
{
  int c;
  int digit_optind = 0;
while ( 1 ) {
    int this_option_optind = gnu_optind ? gnu_optind : 1;

    c = gnu_getopt (argc, argv, "abc:d:0123456789");
    if ( c == -1 )
        break;

    switch ( c ) {
        case '0':
        case '1':
        case '2':
        case '3':
        case '4':
        case '5':
        case '6':
        case '7':
        case '8':
        case '9':
            if ( digit_optind != 0 && digit_optind != this_option_optind )
                fprintf ( stderr, "digits occur in two different argv-elements.\n" );
            digit_optind = this_option_optind;
            fprintf ( stderr, "option \%c\n", c );
            break;

        case 'a':
            fprintf ( stderr, "option a\n" );
            break;

        case 'b':
            fprintf ( stderr, "option b\n" );
            break;

        case 'c':
            fprintf ( stderr, "option c with value \%s\n", gnu_optarg);
            break;

        case '?':
            break;

        default:
            fprintf ( stderr, "?? gnu_getopt returned character code 0%o ??\n", c );
            break;
    }

    if ( gnu_optind < argc ) {
        fprintf ( stderr, "non-option ARGV-elements: ");
        while ( gnu_optind < argc )
            printf ( stderr, "\"%s\", gnu_getopt_arg[gnu_optind++] );
    }
}
fprintf ( stderr, "\%s \", argv[gnu_optind++]);
fprintf ( stderr, "\n");
}
exit (0);
}

#define /* TEST */

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1.1617 wildfly-elytron-sasl 1.11.4.Final

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jar/org/wildfly/security/sasl/util/MechanismProviderFilteringSaslServerFactory.java
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jar/org/wildfly/security/sasl/util/ProtocolSaslServerFactory.java
* /opt/ws_local/PERMITS_SQL/1094804981_1601320522.97/0/wildfly-elytron-sasl-1-11-4-final-sources-
jar/org/wildfly/security/sasl/util/MechanismProviderFilteringSaslClientFactory.java
* /opt/ws_local/PERMITS_SQL/1094804981_1601320522.97/0/wildfly-elytron-sasl-1-11-4-final-sources-
jar/org/wildfly/security/sasl/util/KeyManagerCredentialSaslServerFactory.java
* /opt/ws_local/PERMITS_SQL/1094804981_1601320522.97/0/wildfly-elytron-sasl-1-11-4-final-sources-
jar/org/wildfly/security/sasl/util/TLSServerEndPointChannelBindingSaslClientFactory.java
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jar/org/wildfly/security/sasl/util/SSLQueryCallbackHandler.java
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jar/org/wildfly/security/sasl/util/ServerNameSaslServerFactory.java
* /opt/ws_local/PERMITS_SQL/1094804981_1601320522.97/0/wildfly-elytron-sasl-1-11-4-final-sources-
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1.1618 opentelemetry-context-prop 0.6.0

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Found in path(s):
* /opt/cola/permits/1094805742_1602785296.32/0/opentelemetry-context-prop-0-6-0-sources-jar/io/opentelemetry/context/propagation/DefaultContextPropagators.java  
* /opt/cola/permits/1094805742_1602785296.32/0/opentelemetry-context-prop-0-6-0-sources-jar/io/opentelemetry/context/Scope.java  
* /opt/cola/permits/1094805742_1602785296.32/0/opentelemetry-context-prop-0-6-0-sources-jar/io/opentelemetry/context/propagation/ContextPropagators.java  
* /opt/cola/permits/1094805742_1602785296.32/0/opentelemetry-context-prop-0-6-0-sources-jar/io/opentelemetry/context/propagation/HttpTextFormat.java  
* /opt/cola/permits/1094805742_1602785296.32/0/opentelemetry-context-prop-0-6-0-sources-jar/io/opentelemetry/context/ContextUtils.java

1.1619 libyaml 0.1.6

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1.1620 alpine-baselayout 3.2.0-r8

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1.1643 jackson-core-asl 1.9.12

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* /opt/ws_local/PERMITS_SQL/1070629485_1594725533.69/0/netty-transport-native-unix-common-4-1-48-final-sources-1-jar/netty_unix_jni.h

1.1652 protobuf-java 3.11.0

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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* /opt/ws_local/PERMITS_SQL/1094802724_1601321075.41/0/wildfly-elytron-asn1-1-11-4-final-sources.jar/org/wildfly/security/asn1/ASN1Exception.java

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1.1655 java-compression 1.3.0

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On all platforms, Nmap is normally linked with:
o  libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
    http://www.tcpdump.org/
o  libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
    http://code.google.com/p/libdnet/
o  PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library.
    Distributed with Nmap in the libpcre subdirectory.
    http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
http://www.lua.org/

o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
http://www.openssl.org/

o LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/

o libsvn. The Subversion library, used by the updater program


On Windows only, Nmap uses:

o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
http://www.winpcap.org/

Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/bsd-simplified.

Zenmap and Ndiff require:

o Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
http://www.python.org/

The Windows and Mac OS X binary packages include bundled versions of:

o GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
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o Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.
http://www.cairographics.org/

o libgailutil: Accessibility support for GTK+.

o libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.

o zlib and bzip2: compression libraries.

o Expat: XML parser library.
http://expat.sourceforge.net/

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   http://xmlsoft.org/
o SQLite.
   http://www.sqlite.org/
o PyGTK, PyGObject: bindings for Python. Licensed under the GNU LGPL
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o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1
   and the MPL 1.1.

The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
   http://www.x.org/ http://www.macports.org/

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package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {

mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {
    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {

super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
    return mask;
}

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

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 */
private static final int ALL = CREATE | DESTROY;

public DurableExecutorServicePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        }
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

public AllPermissions() {
    super("<all permissions>");
}

@Override
public boolean implies(Permission permission) {
    return true;
}

@Override
public String getActions() {
    return "<all actions>";
}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {

    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {

    }
}
if (permission instanceof AllPermissions) {
    all = true;
}
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        perms.add(permission);
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

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    */
boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
    || (permission instanceof ClusterPermission);

if (shouldAdd && !implies(permission)) {
    perms.add(permission);
}

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
public Enumeration<Permission> elements() {  
    return Collections.enumeration(perms);  
}

public Set<Permission> getPermissions() {  
    return Collections.unmodifiableSet(perms);  
}

@Override  
public String toString() {  
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}

package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {  
    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {  
        super(name, actions);
    }

    @Override  
    protected int initMask(String[] actions) {  
        int mask = NONE;
        for (String action : actions) {  
            if (ActionConstants.ACTION_ALL.equals(action)) {  
                return ALL;
            }
        }
        return mask;
    }

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     * limitations under the License.  
     */

    public class ExecutorServicePermission extends InstancePermission {  
        private static final int ALL = CREATE | DESTROY;

        public ExecutorServicePermission(String name, String... actions) {  
            super(name, actions);
        }

        @Override  
        protected int initMask(String[] actions) {  
            int mask = NONE;
            for (String action : actions) {  
                if (ActionConstants.ACTION_ALL.equals(action)) {  
                    return ALL;
                }
            }
        }
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
return mask;
*/

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 */

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 * Contains all the security permissions
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 */

package com.hazelcast.security.permission;
public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }

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package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }

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public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                mask |= ALL;
            }
        }
        return mask;
    }
}
return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}
}
return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}
else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
}
return mask;
}
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*
package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {

        }
mask |= ADD;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
    }
}
return mask;
}
*/

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*/

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
        PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new QueuePermission(name, actions);
            }
        });

        PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MapPermission(name, actions);
            }
        });

        PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MultiMapPermission(name, actions);
            }
        });
    }
}
PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ListPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DistributedExecutorPermission(name, actions);
    }
});
return new ExecutorServicePermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});
}
}
private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}
/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */

public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

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 */

package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        return false;
    }
}
if (obj == null) {
    return false;
}
if (getClass() != obj.getClass()) {
    return false;
}
ClusterPermission other = (ClusterPermission) obj;
if (getName() == null && other.getName() != null) {
    return false;
}
if (!getName().equals(other.getName())) {
    return false;
}
return true;
}

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 */

class ReplicatedMapPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;
public ReplicatedMapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}

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*/
package com.hazelcast.security.permission;
import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
import java.security.Permission;
/**
* @TODO Object Permission
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}

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InstancePermission that = (InstancePermission) permission;

boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
    return false;
}

return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}
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 */

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }

        return mask;
    }
}
package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            }
        }
        return mask;
    }
}

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 */
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;
}
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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {

return new Enumeration<Permission>() {
    @Override
    public boolean hasMoreElements() {
        return false;
    }

    @Override
    public Permission nextElement() {
        return null;
    }
};

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>":
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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*/

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {
private static final int READ = 4;
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public AtomicReferencePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }

    return mask;
}

1.1701 libpopt 1.16

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1.1705 cgreen 1.0.0

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*/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
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1.1716 e2fsprogs 1.42.13 1ubuntu1.1

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Theodore Ts'o
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Gadi Oxman, August 1995

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/*
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
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** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This is the Debian GNU/Linux prepackaged version of the Common Error
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system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
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Oliver Jowett <oliver.jowett@gmail.com>
    * Detect whether zlib is new enough in configure script.
    * Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
    * Optimize Java serialization code when writing a small message to a stream.
    * Optimize Java serialization of strings so that UTF-8 encoding happens only
      once per string per serialization call.
    * Clean up some Java warnings.
    * Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
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    * Added atomicops for Solaris
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    * Fixed minor IBM xIC compiler build issues
    * Added atomicops for AIX (POWER)
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1.1719 grub 2.02

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1.1721 jldap 2009-10-07

1.1722 python-msrest 0.4.26

1.1723 ingest-common 6.8.0

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1.1724 attr 2.4.47

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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6. As an exception to the Sections above, you may also combine or
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a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
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b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/log/Logger.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/AttributesMap.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/Scanner.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/Utf8StringBuffer.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/servlet/GzipFilter.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/servlet/RestFilter.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/ajax/AjaxFilter.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/ajax/WaitingContinuation.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/ajax/JSON.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/component/AbstractLifeCycle.java
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/util/IntrospectionUtil.java
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 */

Found in path(s):
* /opt/cola/permits/1100094641_1602658323.82/0/jetty-util-6-1-26-sources-1-jar/org/mortbay/servlet/ThrottlingFilter.java
1.1726 hibernate-envers 5.3.15.Final

1.1726.1 Available under license:

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1.1727 metrics 3.2.0
**1.1728 hibernate-validator 5.3.4.Final**

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 *
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 */
```

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* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/parameternameprovider/ParanamerParameterNameProvider.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/DecimalMinValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/DigitsValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForReadableInstant.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/config/context/MethodTarget.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForDate.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/UnconstrainedEntityMetaDataSingleton.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/valuehandling/UnwrapValidatedValue.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/util/privilegedactions/GetMethodFromPropertyName.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/util/CollectionHelper.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/logging/LoggerFactory.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/rule/VoidMethodsMustNotBeReturnValueConstrained.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/br/CPFValidator.java
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/constraints/LuhnCheck.java
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*/
/**
* Retrieves constraint related meta data for the parameters of the given
* executable.
*
* @param executable The executable of interest.
*
* @return A list with parameter meta data for the given executable.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/engine/path/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/metadata/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/resourceloading/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/cfg/context/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/constraintvalidation/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/META-INF/maven/org.hibernate/hibernate-validator/pom.xml
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/META-INF/validation-mapping-1.1.xsd
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/metadata/location/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/internal/xml/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/constraintvalidation/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-jar/org/hibernate/validator/spi/group/package.html
* /opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-
/*
 * Hibernate Validator, declare and validate application constraints
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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 */
<pre>
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) {
...}
</pre>

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* }  
* </pre>  
* </p>  
* Can be specified on any method or constructor.  
* </p>  
*  
* @author Gunnar Morling
 */

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1076747750_1596645981.89/0/hibernate-validator-5-3-4-final-sources-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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 * 
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jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

1.1729 kexec-tools 2.0.16

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changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that
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* @return

* Get the confidential id

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1.1750 xalan 2.7.2

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- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd

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Automated Testing Framework

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5bb6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1779 log4j-jboss-logmanager 1.2.0.Final

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1.1790 cglib 3.3.0

1.1790.1 Available under license:

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1.1795 kerb-core 1.1.0

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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.
Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000
series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/CrossParameterDescriptor.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraintvalidation/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/CascadableDescriptor.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/bootstrap/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraintvalidation/SupportedValidationTarget.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraintvalidation/ValidationTarget.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/metadata/GroupConversionDescriptor.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/executable/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/spi/package-info.java
* /opt/ws_local/PERMITS_SQL/1028061164_1594247880.99/0/validation-api-1-1-0-final-sources-jar/javax/validation/ConstraintTarget.java

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* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
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* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
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* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
jar/org/eclipse/microprofile/openapi/OASFactory.java
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jar/org/eclipse/microprofile/openapi/OASFilter.java
* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
jar/org/eclipse/microprofile/openapi/OASModelReader.java
* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
jar/org/eclipse/microprofile/openapi/annotations/Components.java
* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
jar/org/eclipse/microprofile/openapi/OASModelReader.java
* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
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A set of interfaces for programmable models and their helper classes, many derived from Swagger Core library. These interfaces can be used to define OpenAPI document programmatically.

The behaviour of methods inherited from java.lang.Object are undefined by the MicroProfile OpenAPI specification.

Example:
* public class MyOASModelReaderImpl implements OASModelReader {
  *
  * [@literal @}Override
  * public OpenAPI buildModel() {
* return OASFactory.createObject(OpenAPI.class)
*          .info(OASFactory.createObject(Info.class)
*             .title("AirlinesRatingApp API")
*             .version("1.0")
*             .termsOfService("http://airlinesratingapp.com/terms")
*             .contact(OASFactory.createObject(Contact.class)
*               .name("AirlinesRatingApp API Support")
*               .url("http://exampleurl.com/contact")
*               .email("techsupport[@literal@]airlinesratingapp.com")
*             .license(OASFactory.createObject(License.class)
*               .name("Apache 2.0")
*               .url("http://www.apache.org/licenses/LICENSE-2.0.html"))
*          }
* }</pre>
*/

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* under the License.
*/
/**
 * A set of interfaces of programmable models to represent metadata about the API, including license information and contact information of the exposed API.
 * <p>
 * The behaviour of methods inherited from java.lang.Object are undefined by the MicroProfile OpenAPI specification.
 * <p>
 * Example:
 * <pre>
 * public class MyOASModelReaderImpl implements OASModelReader {
 *   <p>
 *   {@literal @}Override
 *   public OpenAPI buildModel() {
 *     return OASFactory.createObject(OpenAPI.class)
 *       .info(OASFactory.createObject(Info.class)
 *         .title("AirlinesRatingApp API")
 *         .version("1.0")
 *         .termsOfService("http://airlinesratingapp.com/terms")
 *         .contact(OASFactory.createObject(Contact.class)
 *           .name("AirlinesRatingApp API Support")
 *           .url("http://exampleurl.com/contact")
 *           .email("techsupport[@literal @}airlinesratingapp.com")
 *         ).license(OASFactory.createObject(License.class)
 *           .name("Apache 2.0")
 *           .url("http://www.apache.org/licenses/LICENSE-2.0.html")))
 *   }
 * </pre>
 */

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* */
/**
* A set of annotations to represent metadata about the API, including license information
* and contact information of the exposed API.
* <p>
* Example usage:
* <pre>
* {@literal @}ApplicationPath("/")
* {@literal @}OpenAPIDefinition(
*   info = {@literal @}Info(
*         title="AirlinesRatingApp API",
*         version = "1.0",
*         termsOfService = "http://airlinesratingapp.com/terms",
*         contact = {@literal @}Contact(
*             name = "AirlinesRatingApp API Support",
*             url = "http://exampleurl.com/contact",
*             email = "techsupport@airlinesratingapp.com"),
*             license = {@literal @}License(
*                 name = "Apache 2.0",
*                 url = "http://www.apache.org/licenses/LICENSE-2.0.html"))
*   )
* </pre>
*/

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  jar/org/eclipse/microprofile/openapi/annotations/metadata/ExampleObject.java
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  jar/org/eclipse/microprofile/openapi/annotations/media/Content.java
* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
  jar/org/eclipse/microprofile/openapi/models/Components.java
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  jar/org/eclipse/microprofile/openapi/annotations/info/Contact.java
* /opt/ws_local/PERMITS_SQL/1094802362_1601321305.29/0/microprofile-openapi-api-1-1-2-sources-
1.1802 commons-compress 1.4.1

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1.1804 jackson-databind 2.8.7

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1.1807 joda-time 2.9.5
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* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
jar/io/netty/resolver/RoundRobinInetAddressResolver.java
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jar/io/netty/resolver/ResolvedAddressTypes.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
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  jar/io/netty/resolver/NoopAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/SimpleNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/NameResolver.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/AddressResolverGroup.java

1.1811 jbcrypt 0.4

1.1812 httpclient-cache 4.5.2
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1.1813 artemis-service-extensions 2.10.1

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {
private static final int LOCK = 4;
private static final int READ = 8;
private static final int ALL = CREATE | DESTROY | LOCK | READ;

public LockPermission(String key, String... actions) {
    super(key, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;
public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }

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package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }
}
public ClusterPermissionCollection(Class<? extends Permission> permClass) {
    this.permClass = permClass;
}

@Override
public void add(Permission permission) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
        || (permission instanceof ClusterPermission);
    if (shouldAdd && !implies(permission)) {
        perms.add(permission);
    }
}

class ClusterPermissionCollection {
    private List<Permission> perms = new ArrayList<>();
    private Class<? extends Permission> permClass;

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);
        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        }
    }

    @Override
    public boolean implies(Permission permission) {
        for (Permission p : perms) {
            if (p.implies(permission)) {
                return true;
            }
        }
        return false;
    }

    public void compact() {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        final Iterator<Permission> iter = perms.iterator();
        while (iter.hasNext()) {
            final Permission perm = iter.next();
            boolean implies = false;
            for (Permission p : perms) {
                if (p.implies(perm)) {
                    iter.remove();
                    return;
                }
            }
            if (implies) {
                iter.remove();
            }
        }
    }
}
implies = true;
break;
}
}
if (implies) {
    iter.remove();
}
}
setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;


private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

public SemaphorePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }

    return mask;
}

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 */

package com.hazelcast.security.permission;
/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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     */

    package com.hazelcast.security.permission;

    public class MultiMapPermission extends MapPermission {
public MultiMapPermission(String name, String... actions) {
    super(name, actions);
}
}
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*/

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            }
        }
        return mask;
    }

}
else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;

*/

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*/

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;
import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";
    public static final String ACTION_AGGREGATE = "aggregate";
    public static final String ACTION_PROJECTION = "projection";
    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new QueuePermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MapPermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MultiMapPermission(name, actions);
            }
        });
    }
}
return new MultiMapPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ListPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DistributedExecutorPermission(name, actions);
    }
});
public Permission create(String name, String... actions) {
    return new ExecutorServicePermission(name, actions);
}

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new
PermissionFactory() {  
    @Override  
    public Permission create(String name, String... actions) {  
        return new CardinalityEstimatorPermission(name, actions);  
    }  
});

private ActionConstants() {  
}

private interface PermissionFactory {  
    Permission create(String name, String... actions);  
}

/**  
 * Creates a permission  
 *  
 * @param name  
 * @param serviceName  
 * @param actions  
 * @return the created Permission  
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.  
 */  
public static Permission getPermission(String name, String serviceName, String... actions) {  
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);  
    if (permissionFactory == null) {  
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);  
    }

    return permissionFactory.create(name, actions);  
}

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 */
package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}

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*/
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public void check(Permission permission) {
        // Implementation
    }

    @Override
    public void checkClusterPermission(Permission permission) {
        // Implementation
    }

    @Override
    public void checkPermission(String actions) {
        // Implementation
    }

    @Override
    public void checkPermissionCollection(PermissionCollection permissionCollection) {
        // Implementation
    }

    // Other methods
}

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 * limitations under the License.
 */
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;

            @Override
            public boolean hasMoreElements() {
                return more;
            }

            @Override
            public boolean hasNextElement() {
                return more;
            }

            @Override
            public Element nextElement() {
                return null;
            }

            @Override
            public void remove() {
                // remove logic
            }
        };
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
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        return more;
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    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
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        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public boolean hasMoreElements() {
public Permission nextElement() {
    more = false;
    return ALL_PERMISSIONS;
}
}
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */

public abstract class InstancePermission extends ClusterPermission {

    package com.hazelcast.security.permission;

    import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

    import java.security.Permission;

    /**
     * TODO: Object Permission
     */

    public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}
@Override
public String getActions() {
return actions;

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```java
@override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}
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*/
```
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }

    @Override
}
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}
}
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*/
package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
mask |= DESTROY;
}
return mask;
}

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

private int hashcode;

public ClusterPermission(String name) {
    super(name);
}

@Override
public PermissionCollection newPermissionCollection() {
    return new ClusterPermissionCollection(getClass());
}

@Override
public int hashCode() {
    if (hashcode == 0) {
        final int prime = 31;
        int result = 1;
        if (getName() == null) {
            result = prime * result + 13;
        } else {

result = prime * result + getName().hashCode();
}
hashcode = result;
return hashcode;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}

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 */

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {
private static final int READ = 4;
private static final int MODIFY = 8;
private static final int ALL = CREATE | DESTROY | READ | MODIFY;

public CountDownLatchPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {
private static final int PUT = 4;
private static final int REMOVE = 8;
private static final int READ = 16;
private static final int LISTEN = 32;
private static final int LOCK = 64;
private static final int INDEX = 128;
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

public ReplicatedMapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }

    return mask;
}
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package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }

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     */
package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {

    }
}
int mask = NONE;
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;

.fullName = name;
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {

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*/

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {

if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}

package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        return mask;
    }

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for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
        mask |= PUBLISH;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}

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 */

package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {
    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

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     */
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    return mask;
}
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// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name.omitempty"`
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Protocol Buffers for Go with Gadgets

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*uganda.txt* For Vim version 8.2. Last change: 2020 Jan 08

VIM REFERENCE MANUAL by Bram Moolenaar

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SUMMARY
*iccf* *ICCF*

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  available to him.
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Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that
needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa
Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.
Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
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Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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vim:tw=78:ts=8:et:ft=help:norl:
/
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1.1868 json-java 20140107

1.1869 annotation-indexer 2.0.0.Final

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1.1870 wildfly-clustering-web-container

19.1.0.Final

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1.1871 ssdh-core 2.1.0

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1.1872 python-azure-mgmt-resource 1.2.2

1.1873 jcommander 1.48

1.1874 iputils s20161105
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1.1875 neo4j-kernel-api 3.5.14
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 *
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 *
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 *
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<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
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<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
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Gallium code    src/gallium/     MIT

Ext headers    GL/glext.h     Khronos
               GL/glxext.h    Khronos
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*****************************************************************************
----
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----
include/GL/glext.h
include/GL/glxext.h
include/GL/wglext.h :

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1.1903 libxml 2.9.8

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1.1906 wildfly-clustering-marshalling-spi
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1.1908 iperf 2.0.13

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  jar/META-INF/maven/io.netty/netty-transport-native-epoll/pom.xml
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* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
  jar/io.netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
jar/io/netty/channel/epoll/LinuxSocket.java
*/opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-jar/netty_epoll_linuxsocket.c
*/opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-jar/netty_epoll_linuxsocket.h
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*/opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-jar/netty_epoll_native.c
*/opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-jar/io/netty/channel/epoll/Native.java
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 * Set the {code TCP_MD5SIG} option on the socket. See {code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
*/
/**
 * Set the {code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
jar/io/netty/channel/epoll/EpollSocketChannelConfig.java
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 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4-1-48-final-sources-1-
jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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  jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/package-info.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/EpollTcpInfo.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
  jar/io/netty/channel/epoll/Epoll.java
* /opt/ws_local/PERMITS_SQL/1070629645_1594725559.53/0/netty-transport-native-epoll-4.1-48-final-sources-1-
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a9f9b598b92b473f898d7877c5cfe2bb56.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
  These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.
Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (a, b) => ... \}
val x: ((Int, Int) => Int) = (((a, b)) => a)
^

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... \}
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
^

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,
or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... \}
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
^

three errors found
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 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
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  jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1074832144_1595959525.4/0/netty-transport-native-epoll-4-1-45-final-sources-
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*/
/**
* Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
*/
/**
 * Set the {code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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The specification of DOM Level 2’s various parts is at:

http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/

The specification of DOM Level 1’s various parts is at:

Links to all available W3C DOM Java Bindings can be found at:
http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

The actual DOM Java Language Binding classes for SVG 1.1 came from:
http://www.w3.org/TR/SVG11/java.html

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1.1949 asm 7.1

1.1950 jackson-databind 2.9.10.4

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free
library does the same job as widely used non-free libraries. In this
case, there is little to gain by limiting the free library to free
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programs enables a greater number of people to use a large body of
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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
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When a "work that uses the Library" uses material from a header file
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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
For the aclocal/ax_boost_base.m4 and contrib/fb303/aclocal/ax_boost_base.m4 components:

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ghost@aladdin.com

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    uv__io_t event_watcher;

#define UV_IO_PRIVATE_PLATFORM_FIELDS
    int rcount;
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#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

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*/
/**
 * <p>The identifier of a client registered within the OAuth2 Authorization Server that will be used to
 authenticate this server
 * in order to validate bearer tokens arriving to this server.
 * 
 * <p>Please note that the client will be usually a confidential client with both an identifier and secret
 configured in order to
 * authenticate against the token introspection endpoint. In this case, the endpoint must support HTTP BASIC
 authentication using
 * the client credentials (both id and secret).
 * 
 * @param clientId the identifier of a client within the OAuth2 Authorization Server
 * @return this instance
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1094806325_1601321605.83/0/wildfly-elytron-realm-token-1-11-4-final-sources-
jar/org/wildfly/security/auth/realm/token/validator/OAuth2IntrospectValidator.java
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1.1971 xz 5.1.1alpha+20120614 2ubuntu2
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==================
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This package was put together by Matthias Klose <doko@debian.org>, from the following sources:

bash:ftp.gnu.org:/pub/gnu/bash/bash-4.3.tar.gz

Bash homepage: http://tiswww.case.edu/php/chet/bash/bashtop.html

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support/man2html.c

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Go support for Protocol Buffers - Google's data interchange format

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Files: doc/html/NCURSES-Programming-HOWTO.html
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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Calling this script install-sh is preferred over install.sh, to prevent `make` implicit rules from creating a file called install from it when there is no Makefile.

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-- vile: txtmode file-encoding=utf-8
1.1986 snake-yaml 1.17.1

1.1986.1 Available under license:

- Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
- Upstream-Name: snakeyaml
- Source: https://bitbucket.org/asomov/snakeyaml
- Files-Excluded: .mvn
  - mvnw*
  - .hg*

Files: *
Copyright: 2008-2016, Andrey Somov <py4fun@gmail.com>
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Files: src/main/java/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
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Files: src/main/java/org/yaml/snakeyaml/external/com/*
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1.1987 wildfly-elytron 1.11.4.Final

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1.1988 wildfly-elytron-auth-server 1.11.4.Final

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/**
 * <p>Returns a [link PermissionVerifier] with all the permissions associated with the given information.
 * </p>
 * <p>Once returned, client code can use the [link PermissionVerifier#implies(Permission)] to check if a given
 * permission is granted or not</p>
 * 
 * @param permissionMappable the object to which permissions can be mapped (must not be [code null])
 * @param roles a set of effective roles after all role mapping was applied by security domain (may be [code null])
 * @return a permission verifier (not [code null])
 */

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* /opt/ws_local/PERMITS_SQL/1094803134_1601321208.93/0/wildfly-elytron-auth-server-1-11-4-final-sources-jar/org/wildfly/security/authz/RoleMapper.java

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1.1992 python-enum 1.1.6
1.1992.1 Available under license :

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1.1993 wildfly-clustering-infinispan-client
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1.1994 webcomponents.js 0.7.21
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1.1995 akka 2.5.22
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@extref[AkkaBuild.scala](github:project/AkkaBuild.scala#L1054)
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1.1996 regexp 2.7.1

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1.1997 distro-info-data 0.28ubuntu0.13

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.. _bootstrap module: https://bootstrap.pypa.io/ez_setup.py

Feature Highlights:

* Automatically find/download/install/upgrade dependencies at build time using the `EasyInstall tool <easy_install.html>`_, which supports downloading via HTTP, FTP, Subversion, and SourceForge, and automatically scans web pages linked from PyPI to find download links. (It's the closest thing to CPAN currently available for Python.)

* Create `Python Eggs <http://peak.telecommunity.com/DevCenter/PythonEggs>`_ - a single-file importable distribution format
* Enhanced support for accessing data files hosted in zipped packages.

* Automatically include all packages in your source tree, without listing them individually in setup.py

* Automatically include all relevant files in your source distributions, without needing to create a ``MANIFEST.in`` file, and without having to force regeneration of the ``MANIFEST`` file when your source tree changes.

* Automatically generate wrapper scripts or Windows (console and GUI) .exe files for any number of "main" functions in your project. (Note: this is not a py2exe replacement; the .exe files rely on the local Python installation.)

* Transparent Pyrex support, so that your setup.py can list ``.pyx`` files and still work even when the end-user doesn't have Pyrex installed (as long as you include the Pyrex-generated C in your source distribution)

* Command aliases - create project-specific, per-user, or site-wide shortcut names for commonly used commands and options

* PyPI upload support - upload your source distributions and eggs to PyPI

* Deploy your project in "development mode", such that it's available on ``sys.path``, yet can still be edited directly from its source checkout.

* Easily extend the distutils with new commands or ``setup()`` arguments, and distribute/reuse your extensions for multiple projects, without copying code.

* Create extensible applications and frameworks that automatically discover extensions, using simple "entry points" declared in a project's setup script.

In addition to the PyPI downloads, the development version of ``setuptools`` is available from the `Python SVN sandbox`_, and in-development versions of the `0.6 branch`_ are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

.. contents:: **Table of Contents**

.. _ez_setup.py: `bootstrap module`_
Installing `setuptools`

Please follow the `EasyInstall Installation Instructions`_ to install the current stable version of setuptools. In particular, be sure to read the section on `Custom Installation Locations`_ if you are installing anywhere other than Python’s `site-packages` directory.

.. _EasyInstall Installation Instructions: easy_install.html#installation-instructions

.. _Custom Installation Locations: easy_install.html#custom-installation-locations

If you want the current in-development version of setuptools, you should first install a stable version, and then run::

```
  ez_setup.py setuptools==dev
```

This will download and install the latest development (i.e. unstable) version of setuptools from the Python Subversion sandbox.

Basic Use

For basic use of setuptools, just import things from setuptools instead of the distutils. Here's a minimal setup script using setuptools::

```
from setuptools import setup, find_packages
setup(
    name = "HelloWorld",
    version = "0.1",
    packages = find_packages(),
)
```

As you can see, it doesn't take much to use setuptools in a project.
Run that script in your project folder, alongside the Python packages you have developed.

Invoke that script to produce eggs, upload to PyPI, and automatically include all packages in the directory where the setup.py lives. See the `Command Reference`_ section below to see what commands you can give to this setup script. For example, to produce a source distribution, simply invoke::

```
  python setup.py sdist
```
Of course, before you release your project to PyPI, you’ll want to add a bit more information to your setup script to help people find or learn about your project. And maybe your project will have grown by then to include a few dependencies, and perhaps some data files and scripts:

    from setuptools import setup, find_packages
    setup(
        name = "HelloWorld",
        version = "0.1",
        packages = find_packages(),
        scripts = ['say_hello.py'],
        # Project uses reStructuredText, so ensure that the docutils get
        # installed or upgraded on the target machine
        install_requires = ['docutils>=0.3'],
        package_data = {
            # If any package contains *.txt or *.rst files, include them:
            '*.': ['*.txt', '*.rst'],
            # And include any *.msg files found in the 'hello' package, too:
            'hello': ['*.msg'],
        },
        # metadata for upload to PyPI
        author = "Me",
        author_email = "me@example.com",
        description = "This is an Example Package",
        license = "PSF",
        keywords = "hello world example examples",
        url = "http://example.com/HelloWorld/",   # project home page, if any
        # could also include long_description, download_url, classifiers, etc.
    )

In the sections that follow, we’ll explain what most of these `setup()` arguments do (except for the metadata ones), and the various ways you might use them in your own project(s).

Specifying Your Project's Version
---------------------------------

Setuptools can work well with most versioning schemes; there are, however, a few special things to watch out for, in order to ensure that setuptools and EasyInstall can always tell what version of your package is newer than another version. Knowing these things will also help you correctly specify what versions of other projects your project depends on.
A version consists of an alternating series of release numbers and pre-release or post-release tags. A release number is a series of digits punctuated by dots, such as ``2.4'' or ``0.5''. Each series of digits is treated numerically, so releases ``2.1'' and ``2.1.0'' are different ways to spell the same release number, denoting the first subrelease of release 2. But ``2.10'' is the *tenth* subrelease of release 2, and so is a different and newer release from ``2.1'' or ``2.1.0'' . Leading zeros within a series of digits are also ignored, so ``2.01'' is the same as ``2.1'', and different from ``2.0.1''.

Following a release number, you can have either a pre-release or post-release tag. Pre-release tags make a version be considered *older* than the version they are appended to. So, revision ``2.4'' is *newer* than revision ``2.4c1'', which in turn is newer than ``2.4b1'' or ``2.4a1'' . Postrelease tags make a version be considered *newer* than the version they are appended to. So, revisions like ``2.4-1'' and ``2.4pl3'' are newer than ``2.4'', but are *older* than ``2.4.1'' (which has a higher release number).

A pre-release tag is a series of letters that are alphabetically before "final". Some examples of prerelease tags would include ``alpha'', ``beta'', "a'', "c'', "dev'', and so on. You do not have to place a dot or dash before the prerelease tag if it's immediately after a number, but it's okay to do so if you prefer. Thus, ``2.4c1'' and ``2.4-c1'' and ``2.4-c.1'' all represent release candidate 1 of version ``2.4'', and are treated as identical by setuptools.

In addition, there are three special prerelease tags that are treated as if they were the letter "c": "pre", "preview", and "rc". So, version ``2.4c1'', ``2.4pre1'' and ``2.4preview1'' are all the exact same version as ``2.4c1'', and are treated as identical by setuptools.

A post-release tag is either a series of letters that are alphabetically greater than or equal to "final", or a dash (``-''). Post-release tags are generally used to separate patch numbers, port numbers, build numbers, revision numbers, or date stamps from the release number. For example, the version ``2.4-r1263'' might denote Subversion revision 1263 of a post-release patch of version ``2.4''. Or you might use ``2.4-20051127'' to denote a date-stamped post-release.

Notice that after each pre or post-release tag, you are free to place another release number, followed again by more pre- or post-release tags. For example, ``0.6a9.dev-r41475'' could denote Subversion revision 41475 of the in-development version of the ninth alpha of release 0.6. Notice that ``dev'' is a pre-release tag, so this version is a *lower* version number than ``0.6a9'', which would be the actual ninth alpha of release 0.6. But the ``-r41475'' is a post-release tag, so this version is *newer* than ``0.6a9.dev''.

For the most part, setuptools' interpretation of version numbers is intuitive, but here are a few tips that will keep you out of trouble in the corner cases:
* Don't stick adjoining pre-release tags together without a dot or number between them. Version ``1.9a-dev`` is the `adev` prerelease of ``1.9``, not a development pre-release of ``1.9a``. Use ``.dev`` instead, as in ``1.9a.dev``, or separate the prerelease tags with a number, as in ``1.9a0-dev``. ``1.9a.dev``, ``1.9a0-dev``., and even ``1.9.a.dev`` are identical versions from setuptools' point of view, so you can use whatever scheme you prefer.

* If you want to be certain that your chosen numbering scheme works the way you think it will, you can use the `pkg_resources.parse_version()` function to compare different version numbers:

```python
>>> from pkg_resources import parse_version
>>> parse_version('1.9.a.dev') == parse_version('1.9a0dev')
True
>>> parse_version('2.1-rc2') < parse_version('2.1')
True
>>> parse_version('0.6a9dev-r41475') < parse_version('0.6a9')
True
```

Once you've decided on a version numbering scheme for your project, you can have setuptools automatically tag your in-development releases with various pre- or post-release tags. See the following sections for more details:

* `Tagging and "Daily Build" or "Snapshot" Releases`
* `Managing "Continuous Releases" Using Subversion`
* The `egg_info` command

New and Changed `setup()` Keywords
====================================

The following keyword arguments to `setup()` are added or changed by setuptools. All of them are optional; you do not have to supply them unless you need the associated setuptools feature.

``include_package_data``
If set to `True`, this tells setuptools to automatically include any data files it finds inside your package directories that are specified by your `MANIFEST.in` file. For more information, see the section below on `Including Data Files`.

``exclude_package_data``
A dictionary mapping package names to lists of glob patterns that should be *excluded* from your package directories. You can use this to trim back any excess files included by `include_package_data`. For a complete description and examples, see the section below on `Including Data Files`.

---

Open Source Used In SDWan 20.4.1 18379
``package_data``
A dictionary mapping package names to lists of glob patterns. For a complete description and examples, see the section below on ``Including Data Files``. You do not need to use this option if you are using ``include_package_data``, unless you need to add e.g. files that are generated by your setup script and build process. (And are therefore not in source control or are files that you don't want to include in your source distribution.)

``zip_safe``
A boolean (True or False) flag specifying whether the project can be safely installed and run from a zip file. If this argument is not supplied, the ``bdist_egg`` command will have to analyze all of your project's contents for possible problems each time it builds an egg.

``install_requires``
A string or list of strings specifying what other distributions need to be installed when this one is. See the section below on `Declaring Dependencies` for details and examples of the format of this argument.

``entry_points``
A dictionary mapping entry point group names to strings or lists of strings defining the entry points. Entry points are used to support dynamic discovery of services or plugins provided by a project. See `Dynamic Discovery of Services and Plugins` for details and examples of the format of this argument. In addition, this keyword is used to support `Automatic Script Creation`.

``extras_require``
A dictionary mapping names of "extras" (optional features of your project) to strings or lists of strings specifying what other distributions must be installed to support those features. See the section below on `Declaring Dependencies` for details and examples of the format of this argument.

``setup_requires``
A string or list of strings specifying what other distributions need to be present in order for the *setup script* to run. `setuptools` will attempt to obtain these (even going so far as to download them using `EasyInstall`) before processing the rest of the setup script or commands. This argument is needed if you are using distutils extensions as part of your build process; for example, extensions that process setup() arguments and turn them into EGG-INFO metadata files.

(Note: projects listed in ``setup_requires`` will NOT be automatically installed on the system where the setup script is being run. They are simply downloaded to the ./.eggs directory if they're not locally available already. If you want them to be installed, as well as being available...
when the setup script is run, you should add them to \``install_requires``
**and** \``setup_requires``.)

``dependency_links``
A list of strings naming URLs to be searched when satisfying dependencies.
These links will be used if needed to install packages specified by
``setup_requires`` or `tests_require`. They will also be written into
the egg's metadata for use by tools like EasyInstall to use when installing
an \`.egg\` file.

``namespace_packages``
A list of strings naming the project's "namespace packages". A namespace
package is a package that may be split across multiple project
distributions. For example, Zope 3's `zope` package is a namespace
package, because subpackages like `zope.interface` and `zope.publisher`
may be distributed separately. The egg runtime system can automatically
merge such subpackages into a single parent package at runtime, as long
as you declare them in each project that contains any subpackages of the
namespace package, and as long as the namespace package's `__init__.py`
does not contain any code other than a namespace declaration. See the
section below on `Namespace Packages`_ for more information.

``test_suite``
A string naming a `unittest.TestCase` subclass (or a package or module
containing one or more of them, or a method of such a subclass), or naming
a function that can be called with no arguments and returns a
`unittest.TestSuite`. If the named suite is a module, and the module
has an `additional_tests()` function, it is called and the results are
added to the tests to be run. If the named suite is a package, any
submodules and subpackages are recursively added to the overall test suite.

Specifying this argument enables use of the `test` command to run the
specified test suite, e.g. via `setup.py test`. See the section on the
`test` command below for more details.

``tests_require``
If your project's tests need one or more additional packages besides those
needed to install it, you can use this option to specify them. It should
be a string or list of strings specifying what other distributions need to
be present for the package's tests to run. When you run the `test` command, `setuptools` will attempt to obtain these (even going
so far as to download them using `EasyInstall`). Note that these
required projects will *not* be installed on the system where the tests
are run, but only downloaded to the project's setup directory if they're
not already installed locally.

.. _test_loader:
``test_loader``

If you would like to use a different way of finding tests to run than what setuptools normally uses, you can specify a module name and class name in this argument. The named class must be instantiable with no arguments, and its instances must support the ``loadTestsFromNames()`` method as defined in the Python ``unittest`` module's ``TestLoader`` class. Setuptools will pass only one test "name" in the `names` argument: the value supplied for the `test_suite` argument. The loader you specify may interpret this string in any way it likes, as there are no restrictions on what may be contained in a `test_suite` string.

The module name and class name must be separated by a `:`. The default value of this argument is `"setuptools.command.test:ScanningLoader"`. If you want to use the default `unittest` behavior, you can specify `"unittest:TestLoader"` as your `test_loader` argument instead. This will prevent automatic scanning of submodules and subpackages.

The module and class you specify here may be contained in another package, as long as you use the `tests_require` option to ensure that the package containing the loader class is available when the `test` command is run.

``eager_resources``

A list of strings naming resources that should be extracted together, if any of them is needed, or if any C extensions included in the project are imported. This argument is only useful if the project will be installed as a zipfile, and there is a need to have all of the listed resources be extracted to the filesystem *as a unit*. Resources listed here should be `/`-separated paths, relative to the source root, so to list a resource `"foo.png"` in package `"bar/baz"`, you would include the string `"bar/baz/foo.png"` in this argument.

If you only need to obtain resources one at a time, or you don't have any C extensions that access other files in the project (such as data files or shared libraries), you probably do NOT need this argument and shouldn't mess with it. For more details on how this argument works, see the section below on 'Automatic Resource Extraction'.

``use_2to3``

Convert the source code from Python 2 to Python 3 with 2to3 during the build process. See `:doc:`python3` for more details.

``convert_2to3_doctests``

List of doctest source files that need to be converted with 2to3.
See `:doc:`python3` for more details.

``use_2to3_fixers``

A list of modules to search for additional fixers to be used during the 2to3 conversion. See `:doc:`python3` for more details.
Using `find_packages()`

-------------------------

For simple projects, it's usually easy enough to manually add packages to
the `packages` argument of `setup()` . However, for very large projects
(Twisted, PEAK, Zope, Chandler, etc.), it can be a big burden to keep the
package list updated. That's what `setuptools.find_packages()` is for.

`find_packages()` takes a source directory and two lists of package name
patterns to exclude and include. If omitted, the source directory defaults to the
same
directory as the setup script. Some projects use a `src` or `lib`
directory as the root of their source tree, and those projects would of course
use `"src"` or `"lib"` as the first argument to `find_packages()` . (And
such projects also need something like `package_dir = {"src"}` in their
`setup()` arguments, but that's just a normal distutils thing.)

Anyway, `find_packages()` walks the target directory, filtering by inclusion
patterns, and finds Python packages (any directory). On Python 3.2 and
earlier, packages are only recognized if they include an `"__init__.py"` file.
Finally, exclusion patterns are applied to remove matching packages.

Inclusion and exclusion patterns are package names, optionally including
wildcards. For
example, `find_packages(exclude=["*.tests"])` will exclude all packages whose
last name part is `"tests"`. Or, `find_packages(exclude=["*.tests",
"*.tests.*"])` will also exclude any subpackages of packages named `"tests``,
but it still won't exclude a top-level `"tests"` package or the children
thereof. In fact, if you really want no `"tests"` packages at all, you'll need
something like this::

    find_packages(exclude=["*.tests", "*.tests.*", "tests.*", "tests"])

in order to cover all the bases. Really, the exclusion patterns are intended
to cover simpler use cases than this, like excluding a single, specified
package and its subpackages.

Regardless of the parameters, the `find_packages()`
function returns a list of package names suitable for use as the `packages`
argument to `setup()` , and so is usually the easiest way to set that
argument in your setup script. Especially since it frees you from having to
remember to modify your setup script whenever your project grows additional
top-level packages or subpackages.

Automatic Script Creation
Packaging and installing scripts can be a bit awkward with the distutils. For one thing, there's no easy way to have a script's filename match local conventions on both Windows and POSIX platforms. For another, you often have to create a separate file just for the "main" script, when your actual "main" is a function in a module somewhere. And even in Python 2.4, using the `--m` option only works for actual `.py` files that aren't installed in a package.

`setuptools` fixes all of these problems by automatically generating scripts for you with the correct extension, and on Windows it will even create an `.exe` file so that users don't have to change their `PATHEXT` settings. The way to use this feature is to define "entry points" in your setup script that indicate what function the generated script should import and run. For example, to create two console scripts called `foo` and `bar`, and a GUI script called `baz`, you might do something like this:

```python
setup(
    # other arguments here...
    entry_points={
        'console_scripts': [
            'foo = my_package.some_module:main_func',
            'bar = other_module:some_func',
        ],
        'gui_scripts': [
            'baz = my_package_gui:start_func',
        ]
    }
)
```

When this project is installed on non-Windows platforms (using "setup.py install", "setup.py develop", or by using EasyInstall), a set of `foo`, `bar`, and `baz` scripts will be installed that import `main_func` and `some_func` from the specified modules. The functions you specify are called with no arguments, and their return value is passed to `sys.exit()`, so you can return an errorlevel or message to print to stderr.

On Windows, a set of `foo.exe`, `bar.exe`, and `baz.exe` launchers are created, alongside a set of `foo.py`, `bar.py`, and `baz.pyw` files. The `.exe` wrappers find and execute the right version of Python to run the `.py` or `.pyw` file.

You may define as many "console script" and "gui script" entry points as you like, and each one can optionally specify "extras" that it depends on, that will be added to `sys.path` when the script is run. For more information on "extras", see the section below on "Declaring Extras". For more information on "entry points" in general, see the section below on "Dynamic Discovery of Services and Plugins".
"Eggsecutable" Scripts
----------------------

Occasionally, there are situations where it's desirable to make an `.egg` file directly executable. You can do this by including an entry point such as the following::

```python
setup(
    # other arguments here...
    entry_points = {
        'setuptools.installation': [
            'eggsecutable = my_package.some_module:main_func',
        ],
    }
)
```

Any eggs built from the above setup script will include a short executable prelude that imports and calls `main_func()` from `my_package.some_module`. The prelude can be run on Unix-like platforms (including Mac and Linux) by invoking the egg with `#/bin/sh`, or by enabling execute permissions on the `.egg` file. For the executable prelude to run, the appropriate version of Python must be available via the `PATH` environment variable, under its "long" name. That is, if the egg is built for Python 2.3, there must be a `python2.3` executable present in a directory on `PATH`.

This feature is primarily intended to support ez_setup the installation of setuptools itself on non-Windows platforms, but may also be useful for other projects as well.

IMPORTANT NOTE: Eggs with an "eggsecutable" header cannot be renamed, or invoked via symlinks. They *must* be invoked using their original filename, in order to ensure that, once running, `pkg_resources` will know what project and version is in use. The header script will check this and exit with an error if the `.egg` file has been renamed or is invoked via a symlink that changes its base name.

Declaring Dependencies
----------------------

``setuptools`` supports automatically installing dependencies when a package is installed, and including information about dependencies in Python Eggs (so that package management tools like EasyInstall can use the information).

``setuptools`` and `pkg_resources` use a common syntax for specifying a project's required dependencies. This syntax consists of a project's PyPI
name, optionally followed by a comma-separated list of "extras" in square brackets, optionally followed by a comma-separated list of version specifiers. A version specifier is one of the operators "`<`, `>`, `<=`, `>=`, `==`, `!=`", followed by a version identifier. Tokens may be separated by whitespace, but any whitespace or nonstandard characters within a project name or version identifier must be replaced with `\-`.

Version specifiers for a given project are internally sorted into ascending version order, and used to establish what ranges of versions are acceptable. Adjacent redundant conditions are also consolidated (e.g. `">1, >2"` becomes `">1"`, and `"<2,<3"` becomes `"<3"`). `"!="` versions are excised from the ranges they fall within. A project's version is then checked for membership in the resulting ranges. (Note that providing conflicting conditions for the same version (e.g. "<2,>=2" or "==2,!=2") is meaningless and may therefore produce bizarre results.)

Here are some example requirement specifiers:

```
    docutils >= 0.3

    # comment lines and \\ continuations are allowed in requirement strings
    BazSpam ==1.1, ==1.2, ==1.3, ==1.4, ==1.5, \
        ==1.6, ==1.7 # and so are line-end comments

    PEAK[FastCGI, reST]>0.5a4

    setuptools==0.5a7
```

The simplest way to include requirement specifiers is to use the `"install_requires` argument to `"setup()`. It takes a string or list of strings containing requirement specifiers. If you include more than one requirement in a string, each requirement must begin on a new line.

This has three effects:

1. When your project is installed, either by using EasyInstall, `\setup.py install`\, or `\setup.py develop`, all of the dependencies not already installed will be located (via PyPI), downloaded, built (if necessary), and installed.

2. Any scripts in your project will be installed with wrappers that verify the availability of the specified dependencies at runtime, and ensure that the correct versions are added to `\sys.path` (e.g. if multiple versions have been installed).

3. Python Egg distributions will include a metadata file listing the dependencies.
Note, by the way, that if you declare your dependencies in `"setup.py"`, you do *not* need to use the `"require()"` function in your scripts or modules, as long as you either install the project or use `"setup.py develop"` to do development work on it. (See "Development Mode" below for more details on using `"setup.py develop"`.)

Dependencies that aren't in PyPI
--------------------------------

If your project depends on packages that aren't registered in PyPI, you may still be able to depend on them, as long as they are available for download as:

- an egg, in the standard distutils `"sdist"` format,
- a single `".py"` file, or
- a VCS repository (Subversion, Mercurial, or Git).

You just need to add some URLs to the `"dependency_links"` argument to `"setup()"`.

The URLs must be either:

1. direct download URLs,
2. the URLs of web pages that contain direct download links, or
3. the repository's URL.

In general, it's better to link to web pages, because it is usually less complex to update a web page than to release a new version of your project. You can also use a SourceForge `"showfiles.php"` link in the case where a package you depend on is distributed via SourceForge.

If you depend on a package that's distributed as a single `".py"` file, you must include an `"#egg=project-version"` suffix to the URL, to give a project name and version number. (Be sure to escape any dashes in the name or version by replacing them with underscores.) EasyInstall will recognize this suffix and automatically create a trivial `"setup.py"` to wrap the single `".py"` file as an egg.

In the case of a VCS checkout, you should also append `"#egg=project-version"` in order to identify for what package that checkout should be used. You can append `"@REV"` to the URL's path (before the fragment) to specify a revision. Additionally, you can also force the VCS being used by prepending the URL with a certain prefix. Currently available are:

- `"svn+URL"` for Subversion,
- `"git+URL"` for Git, and
- `"hg+URL"` for Mercurial
A more complete example would be:

```
``vcs+proto://host/path@revision#egg=project-version``

Be careful with the version. It should match the one inside the project files.
If you want to disregard the version, you have to omit it both in the
``requires`` and in the URL's fragment.

This will do a checkout (or a clone, in Git and Mercurial parlance) to a
temporary folder and run ```setup.py bdist_egg```.

The ```dependency_links``` option takes the form of a list of URL strings. For
example, the below will cause EasyInstall to search the specified page for
eggs or source distributions, if the package's dependencies aren't already
installed:

```
setup(
...  
dependency_links = [
    "http://peak.telecommunity.com/snapshots/"
 ],
)
```

.. _Declaring Extras:

Declaring "Extras" (optional features with their own dependencies)
______________________________________________________________________

Sometimes a project has "recommended" dependencies, that are not required for
all uses of the project. For example, a project might offer optional PDF
output if ReportLab is installed, and reStructuredText support if docutils is
installed. These optional features are called "extras", and setuptools allows
you to define their requirements as well. In this way, other projects that
require these optional features can force the additional requirements to be
installed, by naming the desired extras in their ```install_requires```.

For example, let's say that Project A offers optional PDF and reST support::

```
setup(
   name="Project-A",
...  
extras_require = {
   'PDF': ["ReportLab>=1.2", "RXP"],
   'reST': ["docutils>=0.3"],
  }
```
As you can see, the ``extras_require`` argument takes a dictionary mapping names of "extra" features, to strings or lists of strings describing those features' requirements. These requirements will *not* be automatically installed unless another package depends on them (directly or indirectly) by including the desired "extras" in square brackets after the associated project name. (Or if the extras were listed in a requirement spec on the EasyInstall command line.)

Extras can be used by a project's `entry points` to specify dynamic dependencies. For example, if Project A includes a "rst2pdf" script, it might declare it like this, so that the "PDF" requirements are only resolved if the "rst2pdf" script is run::

```python
setup(
    name="Project-A",
    ...
    entry_points = {
        'console_scripts': [
            'rst2pdf = project_a.tools.pdfgen [PDF]',
            'rst2html = project_a.tools.htmlgen',
            # more script entry points ...
        ],
    },
)
```

Projects can also use another project's extras when specifying dependencies. For example, if project B needs "project A" with PDF support installed, it might declare the dependency like this::

```python
setup(
    name="Project-B",
    install_requires = ['Project-A[PDF]',
    ...
)
```

This will cause ReportLab to be installed along with project A, if project B is installed -- even if project A was already installed. In this way, a project can encapsulate groups of optional "downstream dependencies" under a feature name, so that packages that depend on it don't have to know what the downstream dependencies are. If a later version of Project A builds in PDF support and no longer needs ReportLab, or if it ends up needing other dependencies besides ReportLab in order to provide PDF support, Project B's setup information does not need to change, but the right packages will still be installed if needed.

Note, by the way, that if a project ends up not needing any other packages to support a feature, it should keep an empty requirements list for that feature.
in its `extras_require` argument, so that packages depending on that feature don't break (due to an invalid feature name). For example, if Project A above builds in PDF support and no longer needs ReportLab, it could change its setup to this:

```python
setup(
    name="Project-A",
    ...
    extras_require = {
        'PDF': [],
        'reST': ['docutils>=0.3'],
    }
)
```

so that Package B doesn't have to remove the `PDF` from its requirement specifier.

Including Data Files
====================

The distutils have traditionally allowed installation of "data files", which are placed in a platform-specific location. However, the most common use case for data files distributed with a package is for use *by* the package, usually by including the data files in the package directory.

Setuptools offers three ways to specify data files to be included in your packages. First, you can simply use the `include_package_data` keyword, e.g.:

```python
from setuptools import setup, find_packages
setup(  ...
    include_package_data = True
)
```

This tells setuptools to install any data files it finds in your packages. The data files must be specified via the distutils' `MANIFEST.in` file. (They can also be tracked by a revision control system, using an appropriate plugin. See the section below on `Adding Support for Revision Control Systems` for information on how to write such plugins.)

If you want finer-grained control over what files are included (for example, if you have documentation files in your package directories and want to exclude them from installation), then you can also use the `package_data` keyword, e.g.:

```python
from setuptools import setup, find_packages
```
setup(
    ...
    package_data = {
        # If any package contains *.txt or *.rst files, include them:
        ": ["*.txt", "*.rst"],
        # And include any *.msg files found in the 'hello' package, too:
        "hello": ["*.msg"],
    }
)
)

The `package_data` argument is a dictionary that maps from package names to lists of glob patterns. The globs may include subdirectory names, if the data files are contained in a subdirectory of the package. For example, if the package tree looks like this:

```
setup.py
src/
    mypkg/
        __init__.py
        mypkg.txt
    data/
        somefile.dat
        otherdata.dat
```

The setup tools setup file might look like this:

```
from setuptools import setup, find_packages
setup(
    ...
    packages = find_packages('src'),  # include all packages under src
    package_dir = {"": "src"},  # tell distutils packages are under src
    package_data = {
        # If any package contains *.txt files, include them:
        ": ["*.txt"],
        # And include any *.dat files found in the 'data' subdirectory
        # of the 'mypkg' package, also:
        "mypkg": ["data/*.*"],
    }
)
)
```

Notice that if you list patterns in `package_data` under the empty string, these patterns are used to find files in every package, even ones that also have their own patterns listed. Thus, in the above example, the `mypkg.txt` file gets included even though it's not listed in the patterns for `mypkg`.

Also notice that if you use paths, you *must* use a forward slash (`/`) as the path separator, even if you are on Windows. Setup tools automatically
converts slashes to appropriate platform-specific separators at build time.

(Note: although the `package_data` argument was previously only available in `setuptools`, it was also added to the Python `distutils` package as of Python 2.4; there is some documentation for the feature available on the python.org website. If using the setuptools-specific `include_package_data` argument, files specified by `package_data` will *not* be automatically added to the manifest unless they are listed in the MANIFEST.in file.)

__ http://docs.python.org/dist/node11.html

Sometimes, the `include_package_data` or `package_data` options alone aren't sufficient to precisely define what files you want included. For example, you may want to include package README files in your revision control system and source distributions, but exclude them from being installed. So, setuptools offers an `exclude_package_data` option as well, that allows you to do things like this::

```python
from setuptools import setup, find_packages
setup(
    ...
    packages = find_packages('src'),  # include all packages under src
    package_dir = ['': 'src'],   # tell distutils packages are under src
    include_package_data = True,    # include everything in source control

    # ...but exclude README.txt from all packages
    exclude_package_data = { '' : ['README.txt'] },
)
```

The `exclude_package_data` option is a dictionary mapping package names to lists of wildcard patterns, just like the `package_data` option. And, just as with that option, a key of `''` will apply the given pattern(s) to all packages. However, any files that match these patterns will be *excluded* from installation, even if they were listed in `package_data` or were included as a result of using `include_package_data`.

In summary, the three options allow you to:

```
``include_package_data``
Accept all data files and directories matched by `MANIFEST.in`.
``package_data``
Specify additional patterns to match files and directories that may or may not be matched by `MANIFEST.in` or found in source control.
``exclude_package_data``
Specify patterns for data files and directories that should *not* be
included when a package is installed, even if they would otherwise have been included due to the use of the preceding options.

NOTE: Due to the way the distutils build process works, a data file that you include in your project and then stop including may be "orphaned" in your project's build directories, requiring you to run `setup.py clean --all` to fully remove them. This may also be important for your users and contributors if they track intermediate revisions of your project using Subversion; be sure to let them know when you make changes that remove files from inclusion so they can run `setup.py clean --all`.

Accessing Data Files at Runtime
-------------------------------

Typically, existing programs manipulate a package's `__file__` attribute in order to find the location of data files. However, this manipulation isn't compatible with PEP 302-based import hooks, including importing from zip files and Python Eggs. It is strongly recommended that, if you are using data files, you should use the `Resource Management API`_ of `pkg_resources` to access them. The `pkg_resources` module is distributed as part of setuptools, so if you're using setuptools to distribute your package, there is no reason not to use its resource management API. See also `Accessing Package Resources`_ for a quick example of converting code that uses `__file__` to use `pkg_resources` instead.

.. _Resource Management API: http://peak.telecommunity.com/DevCenter/PythonEggs#resource-management

.. _Accessing Package Resources: http://peak.telecommunity.com/DevCenter/PythonEggs#accessing-package-resources

Non-Package Data Files
----------------------

The `distutils` normally install general "data files" to a platform-specific location (e.g. `/usr/share`). This feature intended to be used for things like documentation, example configuration files, and the like. `setuptools` does not install these data files in a separate location, however. They are bundled inside the egg file or directory, alongside the Python modules and packages. The data files can also be accessed using the `Resource Management API`_, by specifying a `Requirement` instead of a package name::

```python
from pkg_resources import Requirement, resource_filename
filename = resource_filename(Requirement.parse("MyProject"),"sample.conf")
```

The above code will obtain the filename of the "sample.conf" file in the data root of the "MyProject" distribution.
Note, by the way, that this encapsulation of data files means that you can't actually install data files to some arbitrary location on a user's machine; this is a feature, not a bug. You can always include a script in your distribution that extracts and copies your the documentation or data files to a user-specified location, at their discretion. If you put related data files in a single directory, you can use ``resource_filename()`` with the directory name to get a filesystem directory that then can be copied with the ``shutil`` module. (Even if your package is installed as a zipfile, calling ``resource_filename()`` on a directory will return an actual filesystem directory, whose contents will be that entire subtree of your distribution.)

(Of course, if you're writing a new package, you can just as easily place your data files or directories inside one of your packages, rather than using the distutils' approach. However, if you're updating an existing application, it may be simpler not to change the way it currently specifies these data files.)

Automatic Resource Extraction
-------------------------------

If you are using tools that expect your resources to be "real" files, or your project includes non-extension native libraries or other files that your C extensions expect to be able to access, you may need to list those files in the ``eager_resources`` argument to ``setup()``, so that the files will be extracted together, whenever a C extension in the project is imported.

This is especially important if your project includes shared libraries *other* than distutils-built C extensions, and those shared libraries use file extensions other than ``.dll``, ``.so``, or ``.dylib``, which are the extensions that setuptools 0.6a8 and higher automatically detects as shared libraries and adds to the ``native_libs.txt`` file for you. Any shared libraries whose names do not end with one of those extensions should be listed as ``eager_resources``, because they need to be present in the filesystem when he C extensions that link to them are used.

The ``pkg_resources`` runtime for compressed packages will automatically extract *all* C extensions and ``eager_resources`` at the same time, whenever *any* C extension or eager resource is requested via the ``resource_filename()`` API. (C extensions are imported using ``resource_filename()`` internally.) This ensures that C extensions will see all of the "real" files that they expect to see.

Note also that you can list directory resource names in ``eager_resources`` as well, in which case the directory's contents (including subdirectories) will be extracted whenever any C extension or eager resource is requested.

Please note that if you're not sure whether you need to use this argument, you don't! It's really intended to support projects with lots of non-Python
dependencies and as a last resort for crufty projects that can't otherwise handle being compressed. If your package is pure Python, Python plus data files, or Python plus C, you really don't need this. You've got to be using either C or an external program that needs "real" files in your project before there's any possibility of "eager_resources" being relevant to your project.

Extensible Applications and Frameworks
=====================================

.. _Entry Points:

Dynamic Discovery of Services and Plugins
-----------------------------------------

``setuptools`` supports creating libraries that "plug in" to extensible applications and frameworks, by letting you register "entry points" in your project that can be imported by the application or framework.

For example, suppose that a blogging tool wants to support plugins that provide translation for various file types to the blog's output format. The framework might define an "entry point group" called "blogtool.parsers", and then allow plugins to register entry points for the file extensions they support.

This would allow people to create distributions that contain one or more parsers for different file types, and then the blogging tool would be able to find the parsers at runtime by looking up an entry point for the file extension (or mime type, or however it wants to).

Note that if the blogging tool includes parsers for certain file formats, it can register these as entry points in its own setup script, which means it doesn't have to special-case its built-in formats. They can just be treated the same as any other plugin's entry points would be.

If you're creating a project that plugs in to an existing application or framework, you'll need to know what entry points or entry point groups are defined by that application or framework. Then, you can register entry points in your setup script. Here are a few examples of ways you might register an ``.rst`` file parser entry point in the ``blogtool.parsers`` entry point group, for our hypothetical blogging tool:

```python
setup(
    # ...
    entry_points = {'blogtool.parsers': '.rst = some_module:SomeClass'}
)
```
The `entry_points` argument to `setup()` accepts either a string with `.ini`-style sections, or a dictionary mapping entry point group names to either strings or lists of strings containing entry point specifiers. An entry point specifier consists of a name and value, separated by an `=` sign. The value consists of a dotted module name, optionally followed by a `:` and a dotted identifier naming an object within the module. It can also include a bracketed list of "extras" that are required for the entry point to be used. When the invoking application or framework requests loading of an entry point, any requirements implied by the associated extras will be passed to `pkg_resources.require()`, so that an appropriate error message can be displayed if the needed package(s) are missing. (Of course, the invoking app or framework can ignore such errors if it wants to make an entry point optional if a requirement isn't installed.)

### Defining Additional Metadata

Some extensible applications and frameworks may need to define their own kinds of metadata to include in eggs, which they can then access using the `pkg_resources` metadata APIs. Ordinarily, this is done by having plugin developers include additional files in their `ProjectName.egg-info` directory. However, since it can be tedious to create such files by hand, you may want to create a distutils extension that will create the necessary files from arguments to `setup()`, in much the same way that `setuptools` does for many of the `setup()` arguments it adds. See the section below on 'Creating distutils Extensions' for more details, especially the subsection on 'Adding new EGG-INFO Files'.

"Development Mode"

Under normal circumstances, the `distutils` assume that you are going to
build a distribution of your project, not use it in its "raw" or "unbuilt"
form. If you were to use the `distutils` that way, you would have to rebuild
and reinstall your project every time you made a change to it during
development.

Another problem that sometimes comes up with the `distutils` is that you may
need to do development on two related projects at the same time. You may need
to put both projects' packages in the same directory to run them, but need to
keep them separate for revision control purposes. How can you do this?

Setup tools allows you to deploy your projects for use in a common directory or
staging area, but without copying any files. Thus, you can edit each project's
code in its checkout directory, and only need to run build commands when you
change a project's C extensions or similarly compiled files. You can even
deploy a project into another project's checkout directory, if that's your
preferred way of working (as opposed to using a common independent staging area
or the site-packages directory).

To do this, use the `setup.py develop` command. It works very similarly to
`setup.py install` or the EasyInstall tool, except that it doesn't actually
install anything. Instead, it creates a special `.egg-link` file in the
deployment directory, that links to your project's source code. And, if your
deployment directory is Python's `site-packages` directory, it will also
update the `easy-install.pth` file to include your project's source code,
thereby making it available on `sys.path` for all programs using that Python
installation.

If you have enabled the `use_2to3` flag, then of course the `.egg-link`
will not link directly to your source code when run under Python 3, since
that source code would be made for Python 2 and not work under Python 3.
Instead the `setup.py develop` will build Python 3 code under the `build`
directory, and link there. This means that after doing code changes you will
have to run `setup.py build` before these changes are picked up by your
Python 3 installation.

In addition, the `develop` command creates wrapper scripts in the target
script directory that will run your in-development scripts after ensuring that
all your `install_requires` packages are available on `sys.path`.

You can deploy the same project to multiple staging areas, e.g. if you have
multiple projects on the same machine that are sharing the same project you're
doing development work.

When you're done with a given development task, you can remove the project
source from a staging area using `setup.py develop --uninstall`, specifying
the desired staging area if it's not the default.

There are several options to control the precise behavior of the `develop`
command; see the section on the `develop` command below for more details.

Note that you can also apply setuptools commands to non-setuptools projects, using commands like this:

```python
python -c "import setuptools; execfile('setup.py')" develop
```

That is, you can simply list the normal setup commands and options following the quoted part.

Distributing a `setuptools`-based project

Using `setuptools`... Without bundling it!

Your users might not have `setuptools` installed on their machines, or even if they do, it might not be the right version. Fixing this is easy; just download `ez_setup.py`, and put it in the same directory as your `setup.py` script. (Be sure to add it to your revision control system, too.) Then add these two lines to the very top of your setup script, before the script imports anything from setuptools:

```python
import ez_setup
ez_setup.use_setuptools()
```

That's it. The `ez_setup` module will automatically download a matching version of `setuptools` from PyPI, if it isn't present on the target system. Whenever you install an updated version of setuptools, you should also update your projects' `ez_setup.py` files, so that a matching version gets installed on the target machine(s).

By the way, setuptools supports the new PyPI "upload" command, so you can use `setup.py sdist upload` or `setup.py bdist_egg upload` to upload your source or egg distributions respectively. Your project's current version must be registered with PyPI first, of course; you can use `setup.py register` to do that. Or you can do it all in one step, e.g. `setup.py register sdist bdist_egg upload` will register the package, build source and egg distributions, and then upload them both to PyPI, where they'll be easily found by other projects that depend on them.

(By the way, if you need to distribute a specific version of `setuptools`, you can specify the exact version and base download URL as parameters to the `use_setuptools()` function. See the function's docstring for details.)
What Your Users Should Know

In general, a setuptools-based project looks just like any distutils-based project -- as long as your users have an internet connection and are installing to ``site-packages``, that is. But for some users, these conditions don't apply, and they may become frustrated if this is their first encounter with a setuptools-based project. To keep these users happy, you should review the following topics in your project's installation instructions, if they are relevant to your project and your target audience isn't already familiar with setuptools and ``easy_install``.

Network Access
If your project is using ``ez_setup``, you should inform users of the need to either have network access, or to preinstall the correct version of setuptools using the `EasyInstall installation instructions`_. Those instructions also have tips for dealing with firewalls as well as how to manually download and install setuptools.

Custom Installation Locations
You should inform your users that if they are installing your project to somewhere other than the main `site-packages` directory, they should first install setuptools using the instructions for `Custom Installation Locations`_, before installing your project.

Your Project's Dependencies
If your project depends on other projects that may need to be downloaded from PyPI or elsewhere, you should list them in your installation instructions, or tell users how to find out what they are. While most users will not need this information, any users who don't have unrestricted internet access may have to find, download, and install the other projects manually. (Note, however, that they must still install those projects using ``easy_install`` , or your project will not know they are installed, and your setup script will try to download them again.)

If you want to be especially friendly to users with limited network access, you may wish to build eggs for your project and its dependencies, making them all available for download from your site, or at least create a page with links to all of the needed eggs. In this way, users with limited network access can manually download all the eggs to a single directory, then use the ``-f`` option of ``easy_install`` to specify the directory to find eggs in. Users who have full network access can just use ``-f`` with the URL of your download page, and ``easy_install`` will find all the needed eggs using your links directly. This is also useful when your target audience isn't able to compile packages (e.g. most Windows users) and your package or some of its dependencies include C code.
Revision Control System Users and Co-Developers

Users and co-developers who are tracking your in-development code using a revision control system should probably read this manual's sections regarding such development. Alternately, you may wish to create a quick-reference guide containing the tips from this manual that apply to your particular situation. For example, if you recommend that people use "setup.py develop" when tracking your in-development code, you should let them know that this needs to be run after every update or commit.

Similarly, if you remove modules or data files from your project, you should remind them to run "setup.py clean --all" and delete any obsolete "*.pyc" or "*.pyo". (This tip applies to the distutils in general, not just setuptools, but not everybody knows about them; be kind to your users by spelling out your project's best practices rather than leaving them guessing.)

Creating System Packages

Some users want to manage all Python packages using a single package manager, and sometimes that package manager isn't "easy_install"! Setuptools currently supports "bdist_rpm", "bdist_wininst", and "bdist_dumb" formats for system packaging. If a user has a locally-installed "bdist" packaging tool that internally uses the distutils "install" command, it should be able to work with "setuptools". Some examples of "bdist" formats that this should work with include the "bdist_nsi" and "bdist_msi" formats for Windows.

However, packaging tools that build binary distributions by running "setup.py install" on the command line or as a subprocess will require modification to work with setuptools. They should use the "--single-version-externally-managed" option to the "install" command, combined with the standard "--root" or "--record" options. See the `install command` documentation below for more details. The "bdist_deb" command is an example of a command that currently requires this kind of patching to work with setuptools.

If you or your users have a problem building a usable system package for your project, please report the problem via the mailing list so that either the "bdist" tool in question or setuptools can be modified to resolve the issue.

Setting the "zip_safe" flag

-----------------------------------

For maximum performance, Python packages are best installed as zip files. Not all packages, however, are capable of running in compressed form, because they may expect to be able to access either source code or data files as normal operating system files. So, "setuptools" can install your project...
as a zipfile or a directory, and its default choice is determined by the project's "zip_safe" flag.

You can pass a True or False value for the "zip_safe" argument to the setup() function, or you can omit it. If you omit it, the "bdist_egg" command will analyze your project's contents to see if it can detect any conditions that would prevent it from working in a zipfile. It will output notices to the console about any such conditions that it finds.

Currently, this analysis is extremely conservative: it will consider the project unsafe if it contains any C extensions or datafiles whatsoever. This does not mean that the project can't or won't work as a zipfile! It just means that the "bdist_egg" authors aren't yet comfortable asserting that the project "will" work. If the project contains no C or data files, and does no "__file__" or "__path__" introspection or source code manipulation, then there is an extremely solid chance the project will work when installed as a zipfile. (And if the project uses "pkg_resources" for all its data file access, then C extensions and other data files shouldn't be a problem at all. See the `Accessing Data Files at Runtime` section above for more information.)

However, if "bdist_egg" can't be sure that your package will work, but you've checked over all the warnings it issued, and you are either satisfied it "will" work (or if you want to try it for yourself), then you should set "zip_safe" to "True" in your "setup()" call. If it turns out that it doesn't work, you can always change it to "False", which will force "setup tools" to install your project as a directory rather than as a zipfile.

Of course, the end-user can still override either decision, if they are using EasyInstall to install your package. And, if you want to override for testing purposes, you can just run "setup.py easy_install --zip-ok ." or "setup.py easy_install --always-unzip ." in your project directory, to install the package as a zipfile or directory, respectively.

In the future, as we gain more experience with different packages and become more satisfied with the robustness of the "pkg_resources" runtime, the "zip safety" analysis may become less conservative. However, we strongly recommend that you determine for yourself whether your project functions correctly when installed as a zipfile, correct any problems if you can, and then make an explicit declaration of "True" or "False" for the "zip_safe" flag, so that it will not be necessary for "bdist_egg" or "EasyInstall" to try to guess whether your project can work as a zipfile.

Namespace Packages

-------------------

Sometimes, a large package is more useful if distributed as a collection of smaller eggs. However, Python does not normally allow the contents of a
package to be retrieved from more than one location. "Namespace packages" are a solution for this problem. When you declare a package to be a namespace package, it means that the package has no meaningful contents in its ``__init__.py``, and that it is merely a container for modules and subpackages.

The ``pkg_resources`` runtime will then automatically ensure that the contents of namespace packages that are spread over multiple eggs or directories are combined into a single "virtual" package.

The ``namespace_packages`` argument to ``setup()`` lets you declare your project's namespace packages, so that they will be included in your project's metadata. The argument should list the namespace packages that the egg participates in. For example, the ZopeInterface project might do this::

```python
setup(
    # ...
    namespace_packages=['zope'],
)
```

because it contains a ``zope.interface`` package that lives in the ``zope`` namespace package. Similarly, a project for a standalone ``zope.publisher`` would also declare the ``zope`` namespace package. When these projects are installed and used, Python will see them both as part of a "virtual" ``zope`` package, even though they will be installed in different locations.

Namespace packages don't have to be top-level packages. For example, Zope 3's ``zope.app`` package is a namespace package, and in the future PEAK's ``peak.util`` package will be too.

Note, by the way, that your project's source tree must include the namespace packages' ``__init__.py`` files (and the ``__init__.py`` of any parent packages), in a normal Python package layout. These ``__init__.py`` files *must* contain the line::

```
__import__('pkg_resources').declare_namespace(__name__)
```

This code ensures that the namespace package machinery is operating and that the current package is registered as a namespace package.

You must **NOT** include any other code and data in a namespace package's ``__init__.py``. Even though it may appear to work during development, or when projects are installed as `.egg` files, it will not work when the projects are installed using "system" packaging tools -- in such cases the ``__init__.py`` files will not be installed, let alone executed.

You must include the ``declare_namespace()`` line in the ``__init__.py`` of *every* project that has contents for the namespace package in question, in order to ensure that the namespace will be declared regardless of which
project's copy of ``__init__.py`` is loaded first. If the first loaded ``__init__.py`` doesn't declare it, it will never *be* declared, because no other copies will ever be loaded!

TRANSITIONAL NOTE
~~~~~~~~~~~~~~~~~~

Setuptools automatically calls ``declare_namespace()`` for you at runtime, but future versions may *not*. This is because the automatic declaration feature has some negative side effects, such as needing to import all namespace packages during the initialization of the ``pkg_resources`` runtime, and also the need for ``pkg_resources`` to be explicitly imported before any namespace packages work at all. In some future releases, you'll be responsible for including your own declaration lines, and the automatic declaration feature will be dropped to get rid of the negative side effects.

During the remainder of the current development cycle, therefore, setuptools will warn you about missing ``declare_namespace()`` calls in your ``__init__.py`` files, and you should correct these as soon as possible before the compatibility support is removed.

Namespace packages without declaration lines will not work correctly once a user has upgraded to a later version, so it's important that you make this change now in order to avoid having your code break in the field. Our apologies for the inconvenience, and thank you for your patience.

Tagging and "Daily Build" or "Snapshot" Releases
------------------------------------------------

When a set of related projects are under development, it may be important to track finer-grained version increments than you would normally use for e.g. "stable" releases. While stable releases might be measured in dotted numbers with alpha/beta/etc. status codes, development versions of a project often need to be tracked by revision or build number or even build date. This is especially true when projects in development need to refer to one another, and therefore may literally need an up-to-the-minute version of something!

To support these scenarios, setuptools allows you to "tag" your source and egg distributions by adding one or more of the following to the project's "official" version identifier:

* A manually-specified pre-release tag, such as "build" or "dev", or a manually-specified post-release tag, such as a build or revision number (`--tag-build=STRING, -bSTRING`)

* A "last-modified revision number" string generated automatically from...
Subversion's metadata (assuming your project is being built from a Subversion "working copy") (``--tag-svn-revision, -r``)

* An 8-character representation of the build date (``--tag-date, -d``), as a postrelease tag

You can add these tags by adding ``egg_info`` and the desired options to the command line ahead of the ``sdist`` or ``bdist`` commands that you want to generate a daily build or snapshot for. See the section below on the `egg_info` command for more details.

(Also, before you release your project, be sure to see the section above on `Specifying Your Project's Version` for more information about how pre- and post-release tags affect how setuptools and EasyInstall interpret version numbers. This is important in order to make sure that dependency processing tools will know which versions of your project are newer than others.)

Finally, if you are creating builds frequently, and either building them in a downloadable location or are copying them to a distribution server, you should probably also check out the `rotate` command, which lets you automatically delete all but the N most-recently-modified distributions matching a glob pattern. So, you can use a command line like::

```bash
setup.py egg_info -rbDEV bdist_egg rotate -m.egg -k3
```

to build an egg whose version info includes 'DEV-rNNNN' (where NNNN is the most recent Subversion revision that affected the source tree), and then delete any egg files from the distribution directory except for the three that were built most recently.

If you have to manage automated builds for multiple packages, each with different tagging and rotation policies, you may also want to check out the `alias` command, which would let each package define an alias like `daily` that would perform the necessary tag, build, and rotate commands. Then, a simpler script or cron job could just run ``setup.py daily`` in each project directory. (And, you could also define sitewide or per-user default versions of the `daily` alias, so that projects that didn't define their own would use the appropriate defaults.)

Generating Source Distributions
---------------------------------

``setuptools`` enhances the distutils' default algorithm for source file selection with pluggable endpoints for looking up files to include. If you are using a revision control system, and your source distributions only need to include files that you're tracking in revision control, use a corresponding plugin instead of writing a ``MANIFEST.in`` file. See the section below on
Adding Support for Revision Control Systems` for information on plugins.

If you need to include automatically generated files, or files that are kept in an unsupported revision control system, you'll need to create a `MANIFEST.in` file to specify any files that the default file location algorithm doesn't catch. See the distutils documentation for more information on the format of the `MANIFEST.in` file.

But, be sure to ignore any part of the distutils documentation that deals with `MANIFEST` or how it's generated from `MANIFEST.in`; setuptools shields you from these issues and doesn't work the same way in any case. Unlike the distutils, setuptools regenerates the source distribution manifest file every time you build a source distribution, and it builds it inside the project's `.egg-info` directory, out of the way of your main project directory. You therefore need not worry about whether it is up-to-date or not.

Indeed, because setuptools' approach to determining the contents of a source distribution is so much simpler, its `sdist` command omits nearly all of the options that the distutils' more complex `sdist` process requires. For all practical purposes, you'll probably use only the `--formats` option, if you use any option at all.

Making your package available for EasyInstall
---------------------------------------------

If you use the `register` command (`setup.py register`) to register your package with PyPI, that's most of the battle right there. (See the `docs for the register command` for more details.)

`docs for the register command: http://docs.python.org/dist/package-index.html`

If you also use the `upload` command to upload actual distributions of your package, that's even better, because EasyInstall will be able to find and download them directly from your project's PyPI page.

However, there may be reasons why you don't want to upload distributions to PyPI, and just want your existing distributions (or perhaps a Subversion checkout) to be used instead.

So here's what you need to do before running the `register` command. There are three `setup()` arguments that affect EasyInstall:

`url` and `download_url`
These become links on your project's PyPI page. EasyInstall will examine them to see if they link to a package ("primary links"), or whether they are HTML pages. If they're HTML pages, EasyInstall scans all HREFs on the page for primary links.
``long_description``

EasyInstall will check any URLs contained in this argument to see if they
are primary links.

A URL is considered a "primary link" if it is a link to a .tar.gz, .tgz, .zip,
.egg, .egg.zip, .tar.bz2, or .exe file, or if it has an `#egg=project` or
`#egg=project-version` fragment identifier attached to it. EasyInstall
attempts to determine a project name and optional version number from the text
of a primary link *without* downloading it. When it has found all the primary
links, EasyInstall will select the best match based on requested version,
platform compatibility, and other criteria.

So, if your `url` or `download_url` point either directly to a downloadable
source distribution, or to HTML page(s) that have direct links to such, then
EasyInstall will be able to locate downloads automatically. If you want to
make Subversion checkouts available, then you should create links with either
`#egg=project` or `#egg=project-version` added to the URL. You should
replace `project` and `version` with the values they would have in an egg
filename. (Be sure to actually generate an egg and then use the initial part
of the filename, rather than trying to guess what the escaped form of the
project name and version number will be.)

Note that Subversion checkout links are of lower precedence than other kinds
of distributions, so EasyInstall will not select a Subversion checkout for
downloading unless it has a version included in the `#egg=` suffix, and
it's a higher version than EasyInstall has seen in any other links for your
project.

As a result, it's a common practice to use mark checkout URLs with a version of
"dev" (i.e., `#egg=projectname-dev`), so that users can do something like this:

    easy_install --editable projectname==dev

in order to check out the in-development version of `projectname`.

Managing "Continuous Releases" Using Subversion
-----------------------------------------------

If you expect your users to track in-development versions of your project via
Subversion, there are a few additional steps you should take to ensure that
things work smoothly with EasyInstall. First, you should add the following
to your project's `setup.cfg` file:

    .. code-block:: ini

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[egg_info]
tag_build = .dev
tag_svn_revision = 1

This will tell `setuptools` to generate package version numbers like `1.0a1.dev-r1263`, which will be considered to be an *older* release than `1.0a1`. Thus, when you actually release `1.0a1`, the entire egg infrastructure (including `setuptools`, `pkg_resources` and EasyInstall) will know that `1.0a1` supersedes any interim snapshots from Subversion, and handle upgrades accordingly.

(Note: the project version number you specify in `setup.py` should always be the *next* version of your software, not the last released version. Alternately, you can leave out the `tag_build=dev`, and always use the *last* release as a version number, so that your post-1.0 builds are labelled `1.0-r1263`, indicating a post-1.0 patchlevel. Most projects so far, however, seem to prefer to think of their project as being a future version still under development, rather than a past version being patched. It is of course possible for a single project to have both situations, using post-release numbering on release branches, and pre-release numbering on the trunk. But you don't have to make things this complex if you don't want to.)

Commonly, projects releasing code from Subversion will include a PyPI link to their checkout URL (as described in the previous section) with an `#egg=projectname-dev` suffix. This allows users to request EasyInstall to download `projectname==dev` in order to get the latest in-development code. Note that if your project depends on such in-progress code, you may wish to specify your `install_requires` (or other requirements) to include `==dev`, e.g.:

```
.. code-block:: python

    install_requires = ['OtherProject>=0.2a1.dev-r143,==dev']
```

The above example says, "I really want at least this particular development revision number, but feel free to follow and use an `#egg=OtherProject-dev` link if you find one". This avoids the need to have actual source or binary distribution snapshots of in-development code available, just to be able to depend on the latest and greatest a project has to offer.

A final note for Subversion development: if you are using SVN revision tags as described in this section, it's a good idea to run `setup.py develop` after each Subversion checkin or update, because your project's version number will be changing, and your script wrappers need to be updated accordingly.

Also, if the project's requirements have changed, the `develop` command will take care of fetching the updated dependencies, building changed extensions, etc. Be sure to also remind any of your users who check out your project...
from Subversion that they need to run `setup.py develop` after every update in order to keep their checkout completely in sync.

Making "Official" (Non-Snapshot) Releases
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

When you make an official release, creating source or binary distributions, you will need to override the tag settings from `setup.cfg`, so that you don't end up registering versions like `foobar-0.7a1.dev-r34832`. This is easy to do if you are developing on the trunk and using tags or branches for your releases - just make the change to `setup.cfg` after branching or tagging the release, so the trunk will still produce development snapshots.

Alternately, if you are not branching for releases, you can override the default version options on the command line, using something like::

    python setup.py egg_info -RDb "" sdist bdist_egg register upload

The first part of this command (`"egg_info -RDb ""`) will override the configured tag information, before creating source and binary eggs, registering the project with PyPI, and uploading the files. Thus, these commands will use the plain version from your `"setup.py"`, without adding the Subversion revision number or build designation string.

Of course, if you will be doing this a lot, you may wish to create a personal alias for this operation, e.g.::

    python setup.py alias -u release egg_info -RDb ""

You can then use it like this::

    python setup.py release sdist bdist_egg register upload

Or of course you can create more elaborate aliases that do all of the above. See the sections below on the `egg_info` and `alias` commands for more ideas.

Distributing Extensions compiled with Pyrex
-------------------------------------------

`setuptools` includes transparent support for building Pyrex extensions, as long as you define your extensions using `setuptools.Extension`, *not* `distutils.Extension`. You must also not import anything from Pyrex in your setup script.

If you follow these rules, you can safely list `.pyx` files as the source
of your `Extension` objects in the setup script. `setuptools` will detect at build time whether Pyrex is installed or not. If it is, then `setuptools` will use it. If not, then `setuptools` will silently change the `Extension` objects to refer to the `.c` counterparts of the `.pyx` files, so that the normal distutils C compilation process will occur.

Of course, for this to work, your source distributions must include the C code generated by Pyrex, as well as your original `.py` files. This means that you will probably want to include current `.c` files in your revision control system, rebuilding them whenever you check changes in for the `.py` source files. This will ensure that people tracking your project in a revision control system will be able to build it even if they don’t have Pyrex installed, and that your source releases will be similarly usable with or without Pyrex.

Command Reference

.. _alias:

``alias`` - Define shortcuts for commonly used commands

-------------------

.. _alias:

``alias`` - Define shortcuts for commonly used commands

Sometimes, you need to use the same commands over and over, but you can't necessarily set them as defaults. For example, if you produce both development snapshot releases and "stable" releases of a project, you may want to put the distributions in different places, or use different `egg_info` tagging options, etc. In these cases, it doesn't make sense to set the options in a distutils configuration file, because the values of the options changed based on what you're trying to do.

Setuptools therefore allows you to define "aliases" - shortcut names for an arbitrary string of commands and options, using `setup.py alias aliasname expansion`, where aliasname is the name of the new alias, and the remainder of the command line supplies its expansion. For example, this command defines a sitewide alias called "daily", that sets various `egg_info` tagging options:

```
setup.py alias --global-config daily egg_info --tag-svn-revision --tag-build=development
```

Once the alias is defined, it can then be used with other setup commands, e.g.:

```
setup.py daily bdist_egg # generate a daily-build .egg file
setup.py daily sdist # generate a daily-build source distro
```
setup.py daily sdist bdist_egg  # generate both

The above commands are interpreted as if the word "daily" were replaced with "egg_info --tag-svn-revision --tag-build=development".

Note that setuptools will expand each alias at most once in a given command line. This serves two purposes. First, if you accidentally create an alias loop, it will have no effect; you'll instead get an error message about an unknown command. Second, it allows you to define an alias for a command, that uses that command. For example, this (project-local) alias::

    setup.py alias bdist_egg bdist_egg rotate -k1 -m.egg

redefines the "bdist_egg" command so that it always runs the "rotate" command afterwards to delete all but the newest egg file. It doesn't loop indefinitely on "bdist_egg" because the alias is only expanded once when used.

You can remove a defined alias with the "--remove" (or "-r") option, e.g.::

    setup.py alias --global-config --remove daily

would delete the "daily" alias we defined above.

Aliases can be defined on a project-specific, per-user, or sitewide basis. The default is to define or remove a project-specific alias, but you can use any of the 'configuration file options' (listed under the 'saveopts' command, below) to determine which distutils configuration file an aliases will be added to (or removed from).

Note that if you omit the "expansion" argument to the "alias" command, you'll get output showing that alias' current definition (and what configuration file it's defined in). If you omit the alias name as well, you'll get a listing of all current aliases along with their configuration file locations.

``bdist_egg`` - Create a Python Egg for the project

=================================================================

This command generates a Python Egg (.egg file) for the project. Python Eggs are the preferred binary distribution format for EasyInstall, because they are cross-platform (for "pure" packages), directly importable, and contain project metadata including scripts and information about the project's dependencies. They can be simply downloaded and added to `sys.path` directly, or they can be placed in a directory on `sys.path` and then automatically discovered by the egg runtime system.
This command runs the `egg_info` command (if it hasn't already run) to update the project's metadata (`.` egg-info`) directory. If you have added any extra metadata files to the `.egg-info` directory, those files will be included in the new egg file's metadata directory, for use by the egg runtime system or by any applications or frameworks that use that metadata.

You won't usually need to specify any special options for this command; just use `bdist_egg` and you're done. But there are a few options that may be occasionally useful:

```
``--dist-dir=DIR, -d DIR``
Set the directory where the `.egg` file will be placed. If you don't supply this, then the `--dist-dir` setting of the `bdist` command will be used, which is usually a directory named `dist` in the project directory.

```
``--plat-name=PLATFORM, -p PLATFORM``
Set the platform name string that will be embedded in the egg's filename (assuming the egg contains C extensions). This can be used to override the distutils default platform name with something more meaningful. Keep in mind, however, that the egg runtime system expects to see eggs with distutils platform names, so it may ignore or reject eggs with non-standard platform names. Similarly, the EasyInstall program may ignore them when searching web pages for download links. However, if you are cross-compiling or doing some other unusual things, you might find a use for this option.

```
``--exclude-source-files``
Don't include any modules' `.py` files in the egg, just compiled Python, C, and data files. (Note that this doesn't affect any `.py` files in the EGG-INFO directory or its subdirectories, since for example there may be scripts with a `.py` extension which must still be retained.) We don't recommend that you use this option except for packages that are being bundled for proprietary end-user applications, or for "embedded" scenarios where space is at an absolute premium. On the other hand, if your package is going to be installed and used in compressed form, you might as well exclude the source because Python's `traceback` module doesn't currently understand how to display zipped source code anyway, or how to deal with files that are in a different place from where their code was compiled.

There are also some options you will probably never need, but which are there because they were copied from similar `bdist` commands used as an example for creating this one. They may be useful for testing and debugging, however, which is why we kept them:

```
``--keep-temp, -k``
Keep the contents of the `--bdist-dir` tree around after creating the `.egg` file.
``--bdist-dir=DIR, -b DIR``

Set the temporary directory for creating the distribution. The entire contents of this directory are zipped to create the `.egg` file, after running various installation commands to copy the package's modules, data, and extensions here.

``--skip-build``

Skip doing any "build" commands; just go straight to the install-and-compress phases.

.. _develop:

``develop`` - Deploy the project source in "Development Mode"

=============================================================================

This command allows you to deploy your project's source for use in one or more "staging areas" where it will be available for importing. This deployment is done in such a way that changes to the project source are immediately available in the staging area(s), without needing to run a build or install step after each change.

The `develop` command works by creating an `.egg-link` file (named for the project) in the given staging area. If the staging area is Python's `site-packages` directory, it also updates an `easy-install.pth` file so that the project is on `sys.path` by default for all programs run using that Python installation.

The `develop` command also installs wrapper scripts in the staging area (or a separate directory, as specified) that will ensure the project's dependencies are available on `sys.path` before running the project's source scripts. And, it ensures that any missing project dependencies are available in the staging area, by downloading and installing them if necessary.

Last, but not least, the `develop` command invokes the `build_ext -i` command to ensure any C extensions in the project have been built and are up-to-date, and the `egg_info` command to ensure the project's metadata is updated (so that the runtime and wrappers know what the project's dependencies are). If you make any changes to the project's setup script or C extensions, you should rerun the `develop` command against all relevant staging areas to keep the project's scripts, metadata and extensions up-to-date. Most other kinds of changes to your project should not require any build operations or rerunning `develop`, but keep in mind that even minor changes to the setup script (e.g. changing an entry point definition) require you to re-run the `develop` or `test` commands to keep the distribution updated.

Here are some of the options that the `develop` command accepts. Note that
they affect the project's dependencies as well as the project itself, so if you have dependencies that need to be installed and you use "--exclude-scripts" (for example), the dependencies' scripts will not be installed either! For this reason, you may want to use EasyInstall to install the project's dependencies before using the "develop" command, if you need finer control over the installation options for dependencies.

``--uninstall, -u``
Un-deploy the current project. You may use the "--install-dir" or "-d" option to designate the staging area. The created "egg-link" file will be removed, if present and it is still pointing to the project directory. The project directory will be removed from "easy-install.pth" if the staging area is Python's "site-packages" directory.

Note that this option currently does *not* uninstall script wrappers! You must uninstall them yourself, or overwrite them by using EasyInstall to activate a different version of the package. You can also avoid installing script wrappers in the first place, if you use the "--exclude-scripts" (aka "-x") option when you run "develop" to deploy the project.

``--multi-version, -m``
"Multi-version" mode. Specifying this option prevents "develop" from adding an "easy-install.pth" entry for the project(s) being deployed, and if an entry for any version of a project already exists, the entry will be removed upon successful deployment. In multi-version mode, no specific version of the package is available for importing, unless you use "pkg_resources.require()" to put it on "sys.path", or you are running a wrapper script generated by "setuptools" or EasyInstall. (In which case the wrapper script calls "require()" for you.)

Note that if you install to a directory other than "site-packages", this option is automatically in effect, because "pth" files can only be used in "site-packages" (at least in Python 2.3 and 2.4). So, if you use the "--install-dir" or "-d" option (or they are set via configuration file(s)) your project and its dependencies will be deployed in multi-version mode.

``--install-dir=DIR, -d DIR``
Set the installation directory (staging area). If this option is not directly specified on the command line or in a distutils configuration file, the distutils default installation location is used. Normally, this will be the "site-packages" directory, but if you are using distutils configuration files, setting things like "prefix" or "install_lib", then those settings are taken into account when computing the default staging area.

``--script-dir=DIR, -s DIR``
Set the script installation directory. If you don't supply this option
(via the command line or a configuration file), but you *have* supplied an ``--install-dir`` (via command line or config file), then this option defaults to the same directory, so that the scripts will be able to find their associated package installation. Otherwise, this setting defaults to the location where the distutils would normally install scripts, taking any distutils configuration file settings into account.

``--exclude-scripts, -x``

Don't deploy script wrappers. This is useful if you don't want to disturb existing versions of the scripts in the staging area.

``--always-copy, -a``

Copy all needed distributions to the staging area, even if they are already present in another directory on ``sys.path``. By default, if a requirement can be met using a distribution that is already available in a directory on ``sys.path``, it will not be copied to the staging area.

``--egg-path=DIR``

Force the generated ``.egg-link`` file to use a specified relative path to the source directory. This can be useful in circumstances where your installation directory is being shared by code running under multiple platforms (e.g. Mac and Windows) which have different absolute locations for the code under development, but the same *relative* locations with respect to the installation directory. If you use this option when installing, you must supply the same relative path when uninstalling.

In addition to the above options, the ``develop`` command also accepts all of the same options accepted by ``easy_install``. If you've configured any ``easy_install`` settings in your ``setup.cfg`` (or other distutils config files), the ``develop`` command will use them as defaults, unless you override them in a ``[develop]`` section or on the command line.

``easy_install`` - Find and install packages

This command runs the `EasyInstall tool <easy_install.html>`_ for you. It is exactly equivalent to running the ``easy_install`` command. All command line arguments following this command are consumed and not processed further by the distutils, so this must be the last command listed on the command line. Please see the EasyInstall documentation for the options reference and usage examples. Normally, there is no reason to use this command via the command line, as you can just use ``easy_install`` directly. It's only listed here so that you know it's a distutils command, which means that you can:

* create command aliases that use it,
* create distutils extensions that invoke it as a subcommand, and
* configure options for it in your ``setup.cfg`` or other distutils config files.

.. _egg_info:

``egg_info`` - Create egg metadata and set build tags

This command performs two operations: it updates a project's ``.egg-info`` metadata directory (used by the ``bdist_egg``, ``develop``, and ``test`` commands), and it allows you to temporarily change a project's version string, to support "daily builds" or "snapshot" releases. It is run automatically by the ``sdist``, ``bdist_egg``, ``develop``, ``register``, and ``test`` commands in order to update the project's metadata, but you can also specify it explicitly in order to temporarily change the project's version string while executing other commands. (It also generates the``.egg-info/SOURCES.txt`` manifest file, which is used when you are building source distributions.)

In addition to writing the core egg metadata defined by ``setuptools`` and required by ``pkg_resources``, this command can be extended to write other metadata files as well, by defining entry points in the ``egg_info.writers`` group. See the section on Adding new EGG-INFO Files below for more details. Note that using additional metadata writers may require you to include a ``setup_requires`` argument to ``setup()`` in order to ensure that the desired writers are available on ``sys.path``.

Release Tagging Options

-----------------------

The following options can be used to modify the project's version string for all remaining commands on the setup command line. The options are processed in the order shown, so if you use more than one, the requested tags will be added in the following order:

``--tag-build=NAME, -b NAME``

Append NAME to the project's version string. Due to the way setuptools processes "pre-release" version suffixes beginning with the letters "a" through "e" (like "alpha", "beta", and "candidate"), you will usually want to use a tag like ".build" or ".dev", as this will cause the version number to be considered *lower* than the project's default version. (If you want to make the version number *higher* than the default version, you can always leave off --tag-build and then use one or both of the following options.)

If you have a default build tag set in your ``setup.cfg``, you can suppress it on the command line using ``-b `` or ``--tag-build="" as an argument.
to the `egg_info` command.

```
--tag-svn-revision, -r
```
If the current directory is a Subversion checkout (i.e. has a `.svn` subdirectory, this appends a string of the form `-rNNNN` to the project's version string, where NNNN is the revision number of the most recent modification to the current directory, as obtained from the `svn info` command.

If the current directory is not a Subversion checkout, the command will look for a `PKG-INFO` file instead, and try to find the revision number from that, by looking for a `-rNNNN` string at the end of the version number. (This is so that building a package from a source distribution of a Subversion snapshot will produce a binary with the correct version number.)

If there is no `PKG-INFO` file, or the version number contained therein does not end with `-r` and a number, then `-r0` is used.

```
--no-svn-revision, -R
```
Don't include the Subversion revision in the version number. This option is included so you can override a default setting put in `setup.cfg`.

```
--tag-date, -d
```
Add a date stamp of the form `-YYYYMMDD` (e.g. `-20050528`) to the project's version number.

```
--no-date, -D
```
Don't include a date stamp in the version number. This option is included so you can override a default setting in `setup.cfg`.

(Note: Because these options modify the version number used for source and binary distributions of your project, you should first make sure that you know how the resulting version numbers will be interpreted by automated tools like EasyInstall. See the section above on `Specifying Your Project's Version` for an explanation of pre- and post-release tags, as well as tips on how to choose and verify a versioning scheme for your project.)

For advanced uses, there is one other option that can be set, to change the location of the project's `.egg-info` directory. Commands that need to find the project's source directory or metadata should get it from this setting:

Other `egg_info` Options
------------------------

```
--egg-base=SOURCEDIR, -e SOURCEDIR
```

Specify the directory that should contain the .egg-info directory. This should normally be the root of your project's source tree (which is not necessarily the same as your project directory; some projects use a `src` or `lib` subdirectory as the source root). You should not normally need to specify this directory, as it is normally determined from the `package_dir` argument to the `setup()` function, if any. If there is no `package_dir` set, this option defaults to the current directory.

``egg_info`` Examples

---------------------

Creating a dated "nightly build" snapshot egg::

    python setup.py egg_info --tag-date --tag-build=DEV bdist_egg

Creating and uploading a release with no version tags, even if some default tags are specified in ``setup.cfg``::

    python setup.py egg_info -RDb `'' sdist bdist_egg register upload

(Notice that ```egg_info``` must always appear on the command line *before* any commands that you want the version changes to apply to.)

.. _install command:

``install`` - Run ``easy_install`` or old-style installation

============================================================

The setuptools `install` command is basically a shortcut to run the `easy_install` command on the current project. However, for convenience in creating "system packages" of setuptools-based projects, you can also use this option:

`--single-version-externally-managed`

This boolean option tells the `install` command to perform an "old style" installation, with the addition of an `.egg-info` directory so that the installed project will still have its metadata available and operate normally. If you use this option, you *must* also specify the `--root` or `--record` options (or both), because otherwise you will have no way to identify and remove the installed files.

This option is automatically in effect when `install` is invoked by another distutils command, so that commands like `bdist_wininst` and `bdist_rpm` will create system packages of eggs. It is also automatically in effect if you specify the `--root` option.
``install_egg_info`` - Install an ``.egg-info`` directory in ``site-packages``
==============================================================================
Setuptools runs this command as part of ``install`` operations that use the ``--single-version-externally-managed`` options. You should not invoke it directly; it is documented here for completeness and so that distutils extensions such as system package builders can make use of it. This command has only one option:

``--install-dir=DIR, -d DIR``
   The parent directory where the ``.egg-info`` directory will be placed.
   Defaults to the same as the ``--install-dir`` option specified for the ``install_lib`` command, which is usually the system ``site-packages`` directory.

This command assumes that the ``egg_info`` command has been given valid options via the command line or ``setup.cfg``, as it will invoke the ``egg_info`` command and use its options to locate the project's source ``.egg-info`` directory.

.. _rotate:

``rotate`` - Delete outdated distribution files
==============================================================================
As you develop new versions of your project, your distribution (``dist``) directory will gradually fill up with older source and/or binary distribution files. The ``rotate`` command lets you automatically clean these up, keeping only the N most-recently modified files matching a given pattern.

``--match=PATTERNLIST, -m PATTERNLIST``
   Comma-separated list of glob patterns to match. This option is *required*.
   The project name and ``-*`` is prepended to the supplied patterns, in order to match only distributions belonging to the current project (in case you have a shared distribution directory for multiple projects). Typically, you will use a glob pattern like ``.zip`` or ``.egg`` to match files of the specified type. Note that each supplied pattern is treated as a distinct group of files for purposes of selecting files to delete.

``--keep=COUNT, -k COUNT``
   Number of matching distributions to keep. For each group of files identified by a pattern specified with the ``--match`` option, delete all but the COUNT most-recently-modified files in that group. This option is *required*.

``--dist-dir=DIR, -d DIR``
Directory where the distributions are. This defaults to the value of the `bdist` command's `--dist-dir` option, which will usually be the project's `dist` subdirectory.

**Example 1**: Delete all .tar.gz files from the distribution directory, except for the 3 most recently modified ones::

    setup.py rotate --match=.tar.gz --keep=3

**Example 2**: Delete all Python 2.3 or Python 2.4 eggs from the distribution directory, except the most recently modified one for each Python version::

    setup.py rotate --match=-py2.3*.egg,-py2.4*.egg --keep=1

.. _saveopts:

``saveopts`` - Save used options to a configuration file

Finding and editing `distutils` configuration files can be a pain, especially since you also have to translate the configuration options from command-line form to the proper configuration file format. You can avoid these hassles by using the `saveopts` command. Just add it to the command line to save the options you used. For example, this command builds the project using the `mingw32` C compiler, then saves the `--compiler` setting as the default for future builds (even those run implicitly by the `install` command)::

    setup.py build --compiler=mingw32 saveopts

The `saveopts` command saves all options for every command specified on the command line to the project's local `setup.cfg` file, unless you use one of the `configuration file options` to change where the options are saved. For example, this command does the same as above, but saves the compiler setting to the site-wide (global) distutils configuration::

    setup.py build --compiler=mingw32 saveopts -g

Note that it doesn't matter where you place the `saveopts` command on the command line; it will still save all the options specified for all commands. For example, this is another valid way to spell the last example::

    setup.py saveopts -g build --compiler=mingw32

Note, however, that all of the commands specified are always run, regardless of where `saveopts` is placed on the command line.
Configuration File Options

Normally, settings such as options and aliases are saved to the project's local ```setup.cfg``` file. But you can override this and save them to the global or per-user configuration files, or to a manually-specified filename.

``--global-config, -g``
Save settings to the global ```distutils.cfg``` file inside the ```distutils``` package directory. You must have write access to that directory to use this option. You also can't combine this option with ```-u``` or ```-f```.

``--user-config, -u``
Save settings to the current user's ```~/.pydistutils.cfg``` (POSIX) or ```$HOME/pydistutils.cfg``` (Windows) file. You can't combine this option with ```-g``` or ```-f```.

``--filename=FILENAME, -f FILENAME``
Save settings to the specified configuration file to use. You can't combine this option with ```-g``` or ```-u```. Note that if you specify a non-standard filename, the ```distutils``` and ```setuptools``` will not use the file's contents. This option is mainly included for use in testing.

These options are used by other ```setuptools``` commands that modify configuration files, such as the ```alias``` and ```setopt``` commands.

.. _setopt:

``setopt`` - Set a distutils or setuptools option in a config file

This command is mainly for use by scripts, but it can also be used as a quick and dirty way to change a distutils configuration option without having to remember what file the options are in and then open an editor.

**Example 1**. Set the default C compiler to ```mingw32``` (using long option names):

``setup.py setopt --command=build --option=compiler --set-value=mingw32``

**Example 2**. Remove any setting for the distutils default package installation directory (short option names):

``setup.py setopt -c install -o install_lib -r``
Options for the `setopt` command:

```
--command=COMMAND, -c COMMAND
Command to set the option for. This option is required.
```

```
--option=OPTION, -o OPTION
The name of the option to set. This option is required.
```

```
--set-value=VALUE, -s VALUE
The value to set the option to. Not needed if `--remove` is set.
```

```
--remove, -r
Remove (unset) the option, instead of setting it.
```

In addition to the above options, you may use any of the `configuration file options` (listed under the `saveopts` command, above) to determine which distutils configuration file the option will be added to (or removed from).

```
test
- Build package and run a unittest suite
```

When doing test-driven development, or running automated builds that need testing before they are deployed for downloading or use, it's often useful to be able to run a project's unit tests without actually deploying the project anywhere, even using the `develop` command. The `test` command runs a project's unit tests without actually deploying it, by temporarily putting the project's source on `sys.path`, after first running `build_ext -i` and `egg_info` to ensure that any C extensions and project metadata are up-to-date.

To use this command, your project's tests must be wrapped in a `unittest` test suite by either a function, a `TestCase` class or method, or a module or package containing `TestCase` classes. If the named suite is a module, and the module has an `additional_tests()` function, it is called and the result (which must be a `unittest.TestSuite`) is added to the tests to be run. If the named suite is a package, any submodules and subpackages are recursively added to the overall test suite. (Note: if your project specifies a `test_loader`, the rules for processing the chosen `test_suite` may differ; see the `test_loader` documentation for more details.)

Note that many test systems including `doctest` support wrapping their non-`unittest` tests in `TestSuite` objects. So, if you are using a test package that does not support this, we suggest you encourage its developers to implement test suite support, as this is a convenient and standard way to
aggregate a collection of tests to be run under a common test harness.

By default, tests will be run in the "verbose" mode of the `unittest` package's text test runner, but you can get the "quiet" mode (just dots) if you supply the `--q` or `--quiet` option, either as a global option to the setup script (e.g. `setup.py -q test`) or as an option for the `test` command itself (e.g. `setup.py test -q`). There is one other option available:

```
--test-suite=NAME, -s NAME
```

Specify the test suite (or module, class, or method) to be run (e.g. `some_module.test_suite`). The default for this option can be set by giving a `test_suite` argument to the `setup()` function, e.g.::

```
setup(
    # ...
    test_suite = "my_package.tests.test_all"
)
```

If you did not set a `test_suite` in your `setup()` call, and do not provide a `--test-suite` option, an error will occur.

.. _upload:

```
upload` - Upload source and/or egg distributions to PyPI
```

The `upload` command is implemented and documented in distutils.

Setuptools augments the `upload` command with support for `keyring`<https://pypi.python.org/pypi/keyring>`_, allowing the password to be stored in a secure location and not in plaintext in the .pypirc file. To use keyring, first install keyring and set the password for the relevant repository, e.g.::

```
python -m keyring set <repository> <username>
Password for '<username>' in '<repository>': ********
```

Then, in .pypirc, set the repository configuration as normal, but omit the password. Thereafter, uploads will use the password from the keyring.

New in 20.1: Added keyring support.
.. _upload_docs:

``upload_docs`` - Upload package documentation to PyPI

PyPI now supports uploading project documentation to the dedicated URL
https://pythonhosted.org/<project>/.

The ``upload_docs`` command will create the necessary zip file out of a
documentation directory and will post to the repository.

Note that to upload the documentation of a project, the corresponding version
must already be registered with PyPI, using the distutils ``register``
command -- just like the ``upload`` command.

Assuming there is an ``Example`` project with documentation in the
subdirectory ``docs``, e.g.::

Example/
|-- example.py
|-- setup.cfg
|-- setup.py
|-- docs
 | -- build
 | | -- html
 | | | -- index.html
 | | | -- tips_tricks.html
 | |-- conf.py
 | -- index.txt
 | -- tips_tricks.txt

You can simply pass the documentation directory path to the ``upload_docs``
command::

    python setup.py upload_docs --upload-dir=docs/build/html

If no ``--upload-dir`` is given, ``upload_docs`` will attempt to run the
``build_sphinx`` command to generate uploadable documentation.
For the command to become available, `Sphinx <http://sphinx.pocoo.org/>`
must be installed in the same environment as distribute.

As with other ``setuptools``-based commands, you can define useful
defaults in the ``setup.cfg`` of your Python project, e.g.::

.. code-block:: ini

    [upload_docs]
    upload-dir = docs/build/html
The `upload_docs` command has the following options:

```
--upload-dir
The directory to be uploaded to the repository.

--show-response
Display the full response text from server; this is useful for debugging
PyPI problems.

--repository=URL, -r URL
The URL of the repository to upload to. Defaults to
https://pypi.python.org/pypi (i.e., the main PyPI installation).
```

Extending and Reusing Setuptools
--------------------------------

Creating `distutils` Extensions
=================================

It can be hard to add new commands or setup arguments to the distutils. But
the `setuptools` package makes it a bit easier, by allowing you to distribute
a distutils extension as a separate project, and then have projects that need
the extension just refer to it in their `setupRequires` argument.

With `setuptools`, your distutils extension projects can hook in new
commands and `setup()` arguments just by defining "entry points". These
are mappings from command or argument names to a specification of where to
import a handler from. (See the section on `Dynamic Discovery of Services and
Plugins` above for some more background on entry points.)

Adding Commands
-----------------

You can add new `setup` commands by defining entry points in the
`distutils.commands` group. For example, if you wanted to add a `foo` command,
you might add something like this to your distutils extension project's setup script:

```
setup(
    # ...
    entry_points = {
        "distutils.commands": [
            "foo = mypackage.some_module:foo",
        ],
    }
```
(Assuming, of course, that the `foo` class in `mypackage.some_module` is a `setuptools.Command` subclass.)

Once a project containing such entry points has been activated on `sys.path`, (e.g. by running "install" or "develop" with a site-packages installation directory) the command(s) will be available to any `setuptools`-based setup scripts. It is not necessary to use the `--command-packages` option or to monkeypatch the `distutils.command` package to install your commands; `setuptools` automatically adds a wrapper to the distutils to search for entry points in the active distributions on `sys.path`. In fact, this is how setuptools' own commands are installed: the setuptools project's setup script defines entry points for them!

Adding `setup()` Arguments
--------------------------

Sometimes, your commands may need additional arguments to the `setup()` call. You can enable this by defining entry points in the `distutils.setup_keywords` group. For example, if you wanted a `setup()` argument called `bar_baz`, you might add something like this to your distutils extension project's setup script::

```python
setup(
    # ...
    entry_points = {
        "distutils.commands": [
            "foo = mypackage.some_module:foo",
        ],
        "distutils.setup_keywords": [
            "bar_baz = mypackage.some_module:validate_bar_baz",
        ],
    },
)
```

The idea here is that the entry point defines a function that will be called to validate the `setup()` argument, if it's supplied. The `Distribution` object will have the initial value of the attribute set to `None`, and the validation function will only be called if the `setup()` call sets it to a non-None value. Here's an example validation function::

```python
def assert_bool(dist, attr, value):
    """Verify that value is True, False, 0, or 1""
    if bool(value) != value:
        raise DistutilsSetupError(
```

---

Open Source Used In SDWan 20.4.1 19425
"%r must be a boolean value (got %r)" % (attr, value)
)

Your function should accept three arguments: the ``Distribution`` object, the attribute name, and the attribute value. It should raise a ``DistutilsSetupError`` (from the ``distutils.errors`` module) if the argument is invalid. Remember, your function will only be called with non-None values, and the default value of arguments defined this way is always None. So, your commands should always be prepared for the possibility that the attribute will be ``None`` when they access it later.

If more than one active distribution defines an entry point for the same ``setup()`` argument, *all* of them will be called. This allows multiple distutils extensions to define a common argument, as long as they agree on what values of that argument are valid.

Also note that as with commands, it is not necessary to subclass or monkeypatch the distutils ``Distribution`` class in order to add your arguments; it is sufficient to define the entry points in your extension, as long as any setup script using your extension lists your project in its ``setup_requires`` argument.

Adding new EGG-INFO Files

------------------------

Some extensible applications or frameworks may want to allow third parties to develop plugins with application or framework-specific metadata included in the plugins' EGG-INFO directory, for easy access via the ``pkg_resources`` metadata API. The easiest way to allow this is to create a distutils extension to be used from the plugin projects' setup scripts (via ``setup_requires``) that defines a new setup keyword, and then uses that data to write an EGG-INFO file when the ``egg_info`` command is run.

The ``egg_info`` command looks for extension points in an ``egg_info.writers`` group, and calls them to write the files. Here's a simple example of a distutils extension defining a setup argument ``foo_bar``, which is a list of lines that will be written to ``foo_bar.txt`` in the EGG-INFO directory of any project that uses the argument::

```python
setup(
    # ...
    entry_points = {
        "distutils.setup_keywords": [
            "foo_bar = setuptools.dist:assert_string_list",
        ],
        "egg_info.writers": [
            "foo_bar.txt = setuptools.command.egg_info:write_arg",
        ],
    },
```
This simple example makes use of two utility functions defined by setuptools for its own use: a routine to validate that a setup keyword is a sequence of strings, and another one that looks up a setup argument and writes it to a file. Here’s what the writer utility looks like:

```python
def write_arg(cmd, basename, filename):
    argname = os.path.splitext(basename)[0]
    value = getattr(cmd.distribution, argname, None)
    if value is not None:
        value = '\n'.join(value)+'\n'
    cmd.write_or_delete_file(argname, filename, value)
```

As you can see, ``egg_info.writers`` entry points must be a function taking three arguments: a ``egg_info`` command instance, the basename of the file to write (e.g. `foo_bar.txt`), and the actual full filename that should be written to.

In general, writer functions should honor the command object’s `dry_run` setting when writing files, and use the `distutils.log` object to do any console output. The easiest way to conform to this requirement is to use the `cmd` object's `write_file()`, `delete_file()`, and `write_or_delete_file()` methods exclusively for your file operations. See those methods' docstrings for more details.

Adding Support for Revision Control Systems
---------------------------------------------

If the files you want to include in the source distribution are tracked using Git, Mercurial or SVN, you can use the following packages to achieve that:

- Git and Mercurial: `setuptools_scm <https://pypi.python.org/pypi/setuptools_scm>`_
- SVN: `setuptools_svn <https://pypi.python.org/pypi/setuptools_svn>`_

If you would like to create a plugin for `setuptools` to find files tracked by another revision control system, you can do so by adding an entry point to the `setuptools.file_finders` group. The entry point should be a function accepting a single directory name, and should yield all the filenames within that directory (and any subdirectories thereof) that are under revision control.

For example, if you were going to create a plugin for a revision control system called "foobar", you would write a function something like this:
.. code-block:: python

    def find_files_for_foobar(dirname):
        # loop to yield paths that start with `dirname`

And you would register it in a setup script using something like this:

    entry_points = {
        "setuptools.file_finders": [
            "foobar = my_foobar_module:find_files_for_foobar"
        ]
    }

Then, anyone who wants to use your plugin can simply install it, and their local setuptools installation will be able to find the necessary files.

It is not necessary to distribute source control plugins with projects that simply use the other source control system, or to specify the plugins in ````setup_requires````. When you create a source distribution with the ````sdist```` command, setuptools automatically records what files were found in the ````SOURCES.txt```` file. That way, recipients of source distributions don't need to have revision control at all. However, if someone is working on a package by checking out with that system, they will need the same plugin(s) that the original author is using.

A few important points for writing revision control file finders:

* Your finder function MUST return relative paths, created by appending to the passed-in directory name. Absolute paths are NOT allowed, nor are relative paths that reference a parent directory of the passed-in directory.

* Your finder function MUST accept an empty string as the directory name, meaning the current directory. You MUST NOT convert this to a dot; just yield relative paths. So, yielding a subdirectory named ````some/dir```` under the current directory should NOT be rendered as ````./some/dir```` or ```somewhere/some/dir```, but *always* as simply ````some/dir```

* Your finder function SHOULD NOT raise any errors, and SHOULD deal gracefully with the absence of needed programs (i.e., ones belonging to the revision control system itself. It *may*, however, use ````distutils.log.warn()```` to inform the user of the missing program(s).

Subclassing ````Command````
-------------------------

Sorry, this section isn't written yet, and neither is a lot of what's below this point.
Reusing `setuptools` Code

``ez_setup``

``setuptools.archive_util``

``setuptools.sandbox``

``setuptools.package_index``

Mailing List and Bug Tracker

Please use the `distutils-sig mailing list` for questions and discussion about setuptools, and the `setuptools bug tracker` ONLY for issues you have confirmed via the list are actual bugs, and which you have reduced to a minimal set of steps to reproduce.

.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/
.. _setuptools bug tracker: https://github.com/pypa/setuptools/

Found in path(s):
``
* /opt/ws_local/PERMITS_SQL/1030464619_1591381526.45/0/python-setuptools-20-7-0-orig-tar-gz/setuptools-20.7.0/docs/setuptools.txt
``

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1.2005 jackson-module-jaxb-annotations 2.4.1
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1.2006 neo4j-cypher-logical-plans 3.4.17

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1.2009 wget 1.19.5

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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On all platforms, Nmap is normally linked with:

- `libpcap`: Network packet capture library. Distributed with Nmap in the `libpcap` subdirectory. 

- `libdnet`: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the `libdnet-stripped` subdirectory. A summary of Nmap-local modifications is in the file `NMAP_MODIFICATIONS`. 

- `PCRE`: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. 
  Distributed with Nmap in the `libpcre` subdirectory. 

- `liblua`: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the `liblua` subdirectory. liblua can be omitted by configuring with the `--without-liblua` configuration directive. 
  [http://www.lua.org/](http://www.lua.org/)

- `OpenSSL`: Cryptographic library. OpenSSL is used by service detection...
and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the `--without-openssl` configuration directive.

http://www.openssl.org/

- **LIBLINEAR.** Used for IPv6 OS classification.
  
  http://www.csie.ntu.edu.tw/~cjlin/liblinear/

- **libsvn.** The Subversion library, used by the updater program `nmap-update`. http://subversion.apache.org/


On Windows only, Nmap uses:

- **WinPcap: libpcap for Windows.** The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
  
  http://www.winpcap.org/

Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/BSD-simplified.

Zenmap and Ndifff require:

- **Python.** The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
  
  http://www.python.org/

The Windows and Mac OS X binary packages include bundled versions of:

- **GLib, GTK+, ATK, Pango:** These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
  
  http://www.gtk.org/

- **Cairo:** graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.
  
  http://www.cairographics.org/

- **libgailutil:** Accessibility support for GTK+.

- **libpng, jpeg, LibTIFF:** Image file format libraries used by GTK+.
  

- **zlib and bzip2:** compression libraries.
  

- **Expat:** XML parser library.
  
  http://expat.sourceforge.net/

- **fontconfig:** font configuration library.
  
  http://www.fontconfig.org/

- **FreeType:** font rendering library.
  
  http://www.freetype.org/

- **libiconv.** Under the GNU LGPL 2.
  
  http://www.gnu.org/software/libiconv/

- **libintl:** gettext translation facilities. Under the GNU LGPL 2 and 2.1.
  
  http://www.gnu.org/software/gettext/

- **libxml2:** XML parsing library.
http://xmlsoft.org/
o SQLite.
http://www.sqlite.org/
o PyGTK, PyGObject: bindings for Python. Licensed under the GNU LGPL 2.1.
http://www.pygtk.org/
o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1.

The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
http://www.x.org/ http://www.macports.org/

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PCRE is a library of functions to support regular expressions whose syntax
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The basic library functions are written in C and are freestanding. Also
included in the distribution is a set of C++ wrapper functions.

THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,
THE C++ WRAPPER FUNCTIONS

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1.2025 grizzly-rcm 1.9.8

1.2026 testify 1.4.0
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 */
	package com.hazelcast.security.permission;

	public class ReplicatedMapPermission
	extends InstancePermission {

private static final int PUT = 4;
private static final int REMOVE = 8;
private static final int READ = 16;
private static final int LISTEN = 32;
private static final int LOCK = 64;
private static final int INDEX = 128;
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

public ReplicatedMapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}

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*/
package com.hazelcast.security.permission;
import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
import java.security.Permission;
/**
* @TODO Object Permission
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}

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/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }

    InstancePermission that = (InstancePermission) permission;

    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }

    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    return Objects.equals(getName(), other.getName());
}
if (!getName().equals(other.getName())) {
    return false;
}
if (mask != other.mask) {
    return false;
}
return true;
}  
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 */

package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {

                return mask | READ;
            }
        }
        return mask;
    }
}
mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}
}
return mask;

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 */

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            }
        }
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
import com.hazelcast.security.permission.RingBufferPermission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            }
        }
        return mask;
    }

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     */

    package com.hazelcast.security.permission;

    public class RingBufferPermission extends InstancePermission {
        private static final int PUT = 4;
        private static final int READ = 8;
        private static final int ALL = PUT | READ;

        public RingBufferPermission(String name, String... actions) {
            super(name, actions);
        }

        @Override
        protected int initMask(String[] actions) {
            int mask = NONE;
            for (String action : actions) {
                if (ActionConstants.ACTION_ALL.equals(action)) {
                    return ALL;
                } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                    mask |= CREATE;
                } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                    mask |= DESTROY;
                } else if (ActionConstants.ACTION_PUT.equals(action)) {
                    mask |= PUT;
                }
            }
            return mask;
        }
    }
}
mask |= PUT;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}
}
return mask;
}
}

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        }

        return mask;
    }

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    */
```java
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}

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package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }

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    */
```
package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
    }
}
return obj instanceof DenyAllPermissionCollection;
}
}
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package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}
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package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {
private static final int ADD = 4;
private static final int READ = 8;
private static final int REMOVE = 16;
private static final int LISTEN = 32;
private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

public QueuePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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/**
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 */
package com.hazelcast.security.permission;
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*/
package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}

return mask;

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {


private int hashcode;

public ClusterPermission(String name) {
    super(name);
}

public PermissionCollection newPermissionCollection() {
    return new ClusterPermissionCollection(getClass());
}

@Override
public int hashCode() {
    if (hashcode == 0) {
        final int prime = 31;
        int result = 1;
        if (getName() == null) {
            result = prime * result + 13;
        } else {
            result = prime * result + getName().hashCode();
        }
        hashcode = result;
    }
    return hashcode;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}

/*
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 */
package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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 */
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}

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 */
mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
return mask;

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 */

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override

}
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    import java.security.Permission;
    import java.security.PermissionCollection;
    import java.util.Collections;
    import java.util.Enumeration;
    import java.util.HashSet;
    import java.util.Iterator;
    import java.util.Set;

    public class ClusterPermissionCollection extends PermissionCollection {

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         */


final Set<Permission> perms = new HashSet<Permission>();
final Class<? extends Permission> permClass;

public ClusterPermissionCollection() {
    permClass = null;
}

public ClusterPermissionCollection(Class<? extends Permission> permClass) {
    this.permClass = permClass;
}

public void add(Permission permission) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                        || (permission instanceof ClusterPermission);
    if (shouldAdd && !implies(permission)) {
        perms.add(permission);
    }
}

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
while (iter.hasNext()) {
    final Permission perm = iter.next();
    boolean implies = false;
    for (Permission p : perms) {
        if (p != perm && p.implies(perm)) {
            implies = true;
            break;
        }
    }
    if (implies) {
        iter.remove();
    }
}
setReadOnly();

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
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package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory());
    }
}
```java
@override
public Permission create(String name, String... actions) {
    return new QueuePermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MultiMapPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ListPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
```
@Override
public Permission create(String name, String... actions) {
    return new TopicPermission(name, actions);
}
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */

public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return 111;
    }

    public static final class AllPermissionsCollection extends PermissionCollection {
        private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
        private boolean all;
    }
}
public AllPermissionsCollection() {
}

public AllPermissionsCollection(boolean all) {
    this.all = all;
}

@Override
public void add(Permission permission) {
    if (permission instanceof AllPermissions) {
        all = true;
    }
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }

    if (obj instanceof AllPermissionsCollection) {
        return ((AllPermissionsCollection) obj).all == all;
    }
    return false;
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Group merge(Permission permission) {
    return Group.MERGE_ALL;
}

@Override
public Group union(Permission permission) {
    return Group.UNION_ALL;
}

@Override
public boolean contains(Permission permission) {
    return all;
}

@Override
public boolean includes(Permission permission) {
    return all;
}

@Override
public void add(int index, Permission permission) {
    if (permission instanceof AllPermissions) {
        all = true;
    }
}

@Override
public void remove(Permission permission) {
    if (permission instanceof AllPermissions) {
        all = false;
    }
}

@Override
public void remove(int index) {
    // Implementation
}

@Override
public boolean containsGroup(Permission permission) {
    return all;
}

@Override
public boolean includesGroup(Permission permission) {
    return all;
}

@Override
public Group mergeGroup(Permission permission) {
    return Group.MERGE_ALL;
}

@Override
public Group unionGroup(Permission permission) {
    return Group.UNION_ALL;
}

@Override
public int size() {
    return 1;
}

@Override
public String toString() {
    return all ? "AllPermissionsCollection" : "null";
}

private static final Permission ALL_PERMISSIONS = new AllPermissions();
private static final Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();

public static class AllPermissions {
    private AllPermissions() {
    }
}

public static class AllPermissionsGroup {
    private AllPermissionsGroup() {
    }

    public static AllPermissionsCollection ALL_PERMISSIONS_COLLECTION = new AllPermissionsCollection(true);
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();
    public static Permission ALL_PERMISSIONS = new AllPermissions();
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();

    public static class AllPermissions {
        private AllPermissions() {
        }
    }
}

public static class AllPermissionsGroup {
    private AllPermissionsGroup() {
    }

    public static AllPermissionsCollection ALL_PERMISSIONS_COLLECTION = new AllPermissionsCollection(true);
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();
    public static Permission ALL_PERMISSIONS = new AllPermissions();
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();

    public static class AllPermissions {
        private AllPermissions() {
        }
    }
}

public static class AllPermissionsGroup {
    private AllPermissionsGroup() {
    }

    public static AllPermissionsCollection ALL_PERMISSIONS_COLLECTION = new AllPermissionsCollection(true);
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();
    public static Permission ALL_PERMISSIONS = new AllPermissions();
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();

    public static class AllPermissions {
        private AllPermissions() {
        }
    }
}

public static class AllPermissionsGroup {
    private AllPermissionsGroup() {
    }

    public static AllPermissionsCollection ALL_PERMISSIONS_COLLECTION = new AllPermissionsCollection(true);
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();
    public static Permission ALL_PERMISSIONS = new AllPermissions();
    public static Group ALL_PERMISSIONS_GROUP = new AllPermissionsGroup();

    public static class AllPermissions {
return false;
}
if (getClass() != obj.getClass()) {
    return false;
}
AllPermissionsCollection other = (AllPermissionsCollection) obj;
return all == other.all;

@Override
public String toString() {
    return "<allow all permissions>";
}

1.2028 wildfly-elytron-sasl-auth-util
1.11.4.Final
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  jar/org/wildfly/security/sasl/auth/util/AuthenticationContextSaslServer.java
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1.2029 aop-alliance 2.5.0

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1.2032 shiro-crypto-hash 1.4.1

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1.2034 libstd-c 8.2.0-1ubuntu2~18.04

1.2035 zlib 1.2.11
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1.2036 zlib 1.2.8

1.2036.1 Available under license :
/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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1.2037 asm 3.1

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The following artifacts are EPL.  
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api  
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----
MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.2052 xmltodict 0.11.0

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1.2053 httpclient 4.5.3

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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/conduits/BlockingStreamSinkConduit.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/ReadListenerSettable.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/BufferAllocator.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/sasl/SaslWrapper.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/Property.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/TranslatingSuspendableChannel.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/IoFuture.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/ReadableMultipointMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/SuspendableReadChannel.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/Channels.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/ReadableMessageChannel.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/AbstractConvertingIoFuture.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/org/xnio/channels/StreamSinkChannel.java
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* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/nio/channels/FileChannel.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/nio/channels/FixedLengthUnderflowException.java
* /opt/ws_local/PERMITS_SQL/1094801617_1601321960.02/0/xnio-api-3-7-7-final-sources-jar/nio/channels/FixedLengthStreamSinkChannel.java

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Ty Coon, President of Vice

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1.2067 hazelcast 3.7.8
1.2067.1 Available under license :
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1.2068 ecdsa 0.13
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1.2069 httpcomponents-mime 4.5.11

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VERSION: 2.1 PoliMorf
BUILD: 2016-02-13 19:37:50+01:00
GIT: 6e63b53

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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

http://wiki.apache.org/solr/CommitterInfo
noggit

https://github.com/yonik/noggit
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David Megginson, david@megginson.com
2000-05-05
Janino - An embedded Java(TM) compiler

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The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:


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Janino - An embedded Java[TM] compiler

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported
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Woodstox is an XML-parser that allows parsing of XML documents in so-called pull mode (aka "pull parsing").
It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>).

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//
Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information. The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In `schema.xml`, it's very simple to make copies of fields:

```
<copyField source="cat" dest="text" maxChars="30000" />
```

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before analysis is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field:

```
<copyField source="*t" dest="text" maxChars="30000" />
```
The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., you cannot copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:

[source,xml]

```xml
<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>
```

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XZ for Java 1.0 (2011-10-22)

http://tukaani.org/xz/java.html

This Java implementation of XZ has been put into the public domain, thus you can do whatever you want with it. All the files in the package have been written by Lasse Collin, but some files are heavily based on public domain code written by Igor Pavlov. Stax2 API is an extension to basic Stax 1.0 API that adds significant new functionality, such as full-featured bi-direction validation interface and high-performance Typed Access API.

(From http://repo1.maven.org/maven2/org/codehaus/woodstox/stax2-api/3.1.4/stax2-api-3.1.4.pom)

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jackson-jq
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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### Jdom-contrib version 1.1.3

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1.2093 ifupdown 0.7.47.2ubuntu4.4

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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1.2112 picketlink 2.5.5.SP12-redhat-00006

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1.2113 infinispan-hibernate-cache-commons 9.4.18.Final
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1.2114 wildfly 18.0.1.Final
1.2114.1 Available under license:

<?xml version="1.0"?
<xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

    <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
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            </head>
            <body>
                <h2><xsl:value-of select="/~/product.release.name🍆" /></h2>
                <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
            <!-- Read matching templates -->
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                    <th>Package Group</th>
                    <th>Package Artifact</th>
                    <th>Package Version</th>
                    <th>Remote Licenses</th>
                </tr>
            </table>
        </body>
    </html>
</xsl:stylesheet>
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<td>8x8x8</td>
</tr>
</tbody>
</table>
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<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
 <xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />
 <xsl:param name="version" />
 <xsl:param name="product.release.name" />
 <xsl:variable name="lowercase" select=""abcdefghijklmnopqrstuvwxyz " />
 <xsl:variable name="uppercase" select="ABCDEFGHIJKLMNOPQRSTUVWXYZ!" />
 <xsl:template match="/">
 <html>
 <head>
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
 <link rel="stylesheet" type="text/css" href="licenses.css" />
 </head>
 <body>
 <h2><xsl:value-of select="$product.release.name"/> - Servlet Feature Pack</h2>
 <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
 <!-- Read matching templates -->
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 <tr>
 <th>Package Group</th>
 <th>Package Artifact</th>
 <th>Package Version</th>
 <th>Remote Licenses</th>
 <th>Local Licenses</th>
 </tr>
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 </table>
</html>
</xsl:template>
</xsl:stylesheet>
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<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:output method="xml" indent="yes"/>
  <xsl:param name="fileList"/>
  <xsl:param name="fileSeparator"/>
  <xsl:template match="/"/>
<!-- FILE PROCESSING -->

<xsl:template name="startDocument">
  <xsl:text disable-output-escaping="no">
  </xsl:text>
  <xsl:text disable-output-escaping="yes">&lt;licenseSummary&gt;</xsl:text>
  <xsl:text disable-output-escaping="no">
  </xsl:text>
  <xsl:template name="endDocument">
  </xsl:template>

<xsl:template name="processFile">
  <xsl:param name="fileName"/>
  <xsl:for-each select="document($fileName)/licenseSummary/dependencies/*">
    <xsl:text disable-output-escaping="no">
    </xsl:text>
    <xsl:copy>
      <xsl:apply-templates select="@* | node()"/>
    </xsl:copy>
  </xsl:for-each>
</xsl:template>

<xsl:template match="@* | node()">
  <xsl:copy>
    <xsl:apply-templates select="@* | node()"/>
  </xsl:copy>
</xsl:template>
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**Remap Local Filename Template**

```xml
<xsl:template name="remap-local-filename">
  <xsl:param name="name"/>
  <xsl:choose>
    <xsl:when test="$name = 'BSD 3-Clause &quot;New&quot; or &quot;Revised&quot; License'">
      <xsl:text>bsd 3-clause new or revised license.html</xsl:text>
    </xsl:when>
    <xsl:when test="$name = 'BSD 3-Clause No Nuclear License'">
      <xsl:text>bsd 3-clause no nuclear license.html</xsl:text>
    </xsl:when>
    <xsl:when test="$name = 'Creative Commons Attribution 2.5'">
      <xsl:text>creative commons attribution 2.5.html</xsl:text>
    </xsl:when>
    <xsl:when test="$name = 'FSF All Permissive License'">
      <xsl:text>fsf all permissive license.html</xsl:text>
    </xsl:when>
  </xsl:choose>
</xsl:template>
```
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<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
 <xsl:param name="version"/>
 <xsl:param name="product.release.name"/>
 <xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz '" />
 <xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ!'">
 <xsl:template match="/">
 <html>
 <head>
 <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
 <link rel="stylesheet" type="text/css" href="licenses.css"/>
 </head>
 <body>
 <p>The following material has been provided for informational purposes only, and should not be relied upon or construed as a legal opinion or legal advice.</p>
 <!-- Read matching templates -->
 <table>

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  <th>Package Group</th>
  <th>Package Artifact</th>
  <th>Package Version</th>
  <th>Remote Licenses</th>
  <th>Local Licenses</th>
</tr>
<xsl:for-each select="licenseSummary/dependencies/dependency">
  <xsl:sort select="concat(groupId, '.', artifactId)"/>
  <xsl:variable name="GAV" select="concat(groupId, ':', artifactId, ':', version)"/>
  <xsl:variable name="countOfPrevious" select="count(preceding-sibling::*[(concat(groupId, ':', artifactId, ':', version) = $GAV)])"/>
  <xsl:if test="$countOfPrevious = 0">
    <tr>
      <td><xsl:value-of select="groupId"/></td>
      <td><xsl:value-of select="artifactId"/></td>
      <td><xsl:value-of select="version"/></td>
      <td>
        <xsl:for-each select="licenses/license">
          <xsl:choose>
            <xsl:when test="name = 'Public Domain'">
              <xsl:value-of select="name"/><br/>
            </xsl:when>
            <xsl:otherwise>
              <a href="{$url}"><xsl:value-of select="name"/></a><br/>
            </xsl:otherwise>
          </xsl:choose>
        </xsl:for-each>
      </td>
      <td>
        <xsl:for-each select="licenses/license">
          <xsl:variable name="filename">
            <xsl:call-template name="remap-local-filename">
              <xsl:with-param name="name" select="name"/>
            </xsl:call-template>
          </xsl:variable>
          <a href="{$filename}"><xsl:value-of select="$filename"/></a><br/>
        </xsl:for-each>
      </td>
    </tr>
  </xsl:if>
</xsl:for-each>
</table>
</xsl:template>

<xsl:template name="remap-local-filename">
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  flag */ private boolean confidential; * @param confidential Is this config property confidential public
  ConfigProperty(String name, boolean dynamic, boolean confidential) this.confidential = confidential; * Get the
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Source: https://p11-glue.github.io/p11-glue/p11-kit.html

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  p11-kit/docs.h p11-kit/log.h p11-kit/modules.h p11-kit/proxy.h
  p11-kit/test-log.c trust/anchor.c trust/anchor.h
  trust/enumerate.c trust/enumerate.h trust/extract.c
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  trust/extract-openssl.c trust/extract-pem.c trust/index.c
  trust/index.h trust/list.c trust/list.h trust/persist.c
  trust/persist.h trust/save.c trust/save.h trust/frob-bc.c
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1.2122 python-ply 3.11 1.0

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1.2123 httpcore-nio 4.4.5

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<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">
<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
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<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
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<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">
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</head>

<body>

<!-- Navigation -->

<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<a href="/" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
</div>
<div class="collapse navbar-collapse" id="mainnav-collapse">
<div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo&nbsp;<a href="/licenses/">Licenses</a></div>
<ul class="nav navbar-nav navbar-right">
<li class="dropdown">
<a href="/foundation/" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
<ul class="dropdown-menu" role="menu">
<li><a href="/foundation/overview.html">Overview</a></li>
<li><a href="/foundation/members.html">Members</a></li>
<li><a href="/foundation/how-it-works.html">Process</a></li>
<li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
<li><a href="/foundation/glossary.html">Glossary</a></li>
<li><a href="/foundation/preFAQ.html">FAQ</a></li>
<li><a href="/foundation/contact.html">Contact</a></li>
</ul>
</li>
<li><a href="/index.html#projects-list">Projects</a></li>
<li class="dropdown">
<a href="/foundation/" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
<ul class="dropdown-menu" role="menu">
<li><a href="http://people.apache.org/">Overview</a></li>
<li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
<li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
<li><a href="http://planet.apache.org/">Planet Apache</a></li>
</ul>
</li>
<li class="dropdown">
<a href="/foundation/" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span class="caret"></span></a>
<ul class="dropdown-menu" role="menu">
</ul>
</li>
</ul>
</div>
</div>
</nav></header>
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* $Id: IterableFollowingAxis.java 1162 2006-06-03 20:52:26Z elharo $
*/

Found in path(s):
/ /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/iter/IterableFollowingAxis.java

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* $Id: EvaluateFunction.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.90/jaxen-1-1-6-sources-
jar/org/jaxen/function/ext/EvaluateFunction.java

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* $Id: IterableAncestorAxis.java 1162 2006-06-03 20:52:26Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/iter/IterableAncestorAxis.java

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 * $Revision: 1161 $
 * $Date: 2006-06-03 13:36:00 -0700 (Sat, 03 Jun 2006) $
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* $Id: JaxenException.java 1161 2006-06-03 20:36:00Z elharo $ */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/JaxenException.java

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/**
* $Id: ContextSupport.java 1157 2006-06-03 20:07:37Z elharo $

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* $Id: TextNodeTest.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
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* $Id: DefaultArithExpr.java 1128 2006-02-05 21:49:04Z elharo $
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* jar/org/jaxen/expr/DefaultArithExpr.java

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* $Id: IterableAncestorOrSelfAxis.java 1162 2006-06-03 20:52:26Z elharo $
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 $Id: DefaultVariableReferenceExpr.java 1367 2012-05-05 16:31:33Z elharo $
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* $Id: VariableContext.java 1168 2006-07-03 11:58:31Z elharo $
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* $Id: DocumentNavigator.java 1198 2006-09-21 11:48:05Z elharo $
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*
* $Id: LowerFunction.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/function/ext/LowerFunction.java
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/DefaultPlusExpr.java

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* $Revision: 1255 $
* $Date: 2006-11-09 10:20:12 -0800 (Thu, 09 Nov 2006) $
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*$Id: LinkedIterator.java 1255 2006-11-09 18:20:12Z elharo $
*/

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*/opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/util/LinkedIterator.java
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*$Revision: 1159 $
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* $Id: SimpleVariableContext.java 1159 2006-06-03 20:25:34Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
* jar/org/jaxen/SimpleVariableContext.java
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 * $Header$
 * $Revision: 1337 $
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* $Id: XPathFactory.java 1337 2008-12-03 01:58:10Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/XPathFactory.java
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$Id: NotFunction.java 1128 2006-02-05 21:49:04Z elharo $

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* $Id: DefaultPathExpr.java 1261 2006-11-30 18:49:27Z elharo $
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultPathExpr.java

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 * $Date: 2006-11-08 09:10:02 -0800 (Wed, 08 Nov 2006) $
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* $Id: FunctionCallException.java 1179 2006-07-16 11:07:25Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
* jar/org/jaxen/FunctionCallException.java

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* $Id: VariableReferenceExpr.java 1248 2006-11-08 19:20:29Z elharo $  
*/

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* $Id: RoundFunction.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: IterableNamespaceAxis.java 1162 2006-06-03 20:52:26Z elharo $
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* $Id: DefaultNumberExpr.java 1261 2006-11-30 18:49:27Z elharo $
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* 
* $Id: IterableDescendantAxis.java 1162 2006-06-03 20:52:26Z elharo $
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
* jar/org/jaxen/expr/iter/IterableDescendantAxis.java
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* $Id: FunctionCallExpr.java 1232 2006-11-08 16:37:59Z elharo $
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/expr/FunctionCallExpr.java
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* $Id: XPathReader.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/saxpath/XPathReader.java
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$Id: NormalizeSpaceFunction.java 1128 2006-02-05 21:49:04Z elharo $
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 * $Id: PositionFunction.java 1128 2006-02-05 21:49:04Z elharo $
 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/function/PositionFunction.java

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* $Id: DefaultExpr.java 1128 2006-02-05 21:49:04Z elharo $
*/

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$Id: LocationPathPattern.java 1128 2006-02-05 21:49:04Z elharo $

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* $Id: NoNodeTest.java 1128 2006-02-05 21:49:04Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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$Id: DefaultMultiplicativeExpr.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: PrecedingAxisIterator.java 1257 2006-11-13 22:10:09Z elharo $
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* $Id: DocumentNavigator.java 1364 2011-07-30 09:46:45Z elharo $
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* $Id: AncestorAxisIterator.java 1255 2006-11-09 18:20:12Z elharo $
* /

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$Id: UnresolvableException.java 1159 2006-06-03 20:25:34Z elharo $

Found in path(s):
/opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/UnresolvableException.java

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* $Id: PatternParser.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources.jar/org/jaxen/pattern/PatternParser.java

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* $Id: DefaultCommentNodeStep.java 1261 2006-11-30 18:49:27Z elharo $
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultCommentNodeStep.java

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* $Id: UpperFunction.java 1128 2006-02-05 21:49:04Z elharo $
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
* jar/org/jaxen/function/ext/UpperFunction.java

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 * $Revision: 1279 $
 * $Date: 2007-01-06 04:21:12 -0800 (Sat, 06 Jan 2007) $
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$Id: DefaultProcessingInstructionNodeStep.java 1279 2007-01-06 12:21:12Z elharo $

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* $Id: DefaultUnionExpr.java 1261 2006-11-30 18:49:27Z elharo $
*/

Found in path(s):
/ /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/expr/DefaultUnionExpr.java
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 * $Revision: 1128 $
 * $Date: 2006-02-05 13:49:04 -0800 (Sun, 05 Feb 2006) $
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*   $Id: SAXPathEventSource.java 1128 2006-02-05 21:49:04Z elharo $
* /

Found in path(s):
*   /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/saxpath/SAXPathEventSource.java
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*  $Revision: 1252$
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*$Id: EqualityExpr.java 1252 2006-11-09 16:21:05Z elharo $
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Found in path(s):
  /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/EqualityExpr.java
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* $Id: DefaultUnaryExpr.java 1261 2006-11-30 18:49:27Z elharo $
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jar/org/jaxen/expr/DefaultUnaryExpr.java
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* $Date: 2006-11-08 07:42:39 -0800 (Wed, 08 Nov 2006) $
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* $Id: CommentNodeStep.java 1225 2006-11-08 15:42:39Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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* $Id: SimpleFunctionContext.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: DefaultRelativeLocationPath.java 1261 2006-11-30 18:49:27Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultRelativeLocationPath.java

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* $Id: SelfAxisIterator.java 1302 2007-05-02 14:33:29Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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* $Id: IterableParentAxis.java 1162 2006-06-03 20:52:26Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources.jar/org/jaxen/expr/iter/IterableParentAxis.java

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* $Id: DefaultNameStep.java 1290 2007-04-17 01:26:35Z bewins $

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources.jar/org/jaxen/expr/DefaultNameStep.java
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 * $Header$
 * $Revision: 1252 $
 * $Date: 2006-11-09 08:21:05 -0800 (Thu, 09 Nov 2006) $
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* $Id: AdditiveExpr.java 1252 2006-11-09 16:21:05Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/AdditiveExpr.java
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* $Header$
* $Revision: 1157 $
* $Date: 2006-06-03 13:07:37 -0700 (Sat, 03 Jun 2006) $
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* $Id: Navigator.java 1157 2006-06-03 20:07:37Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/Navigator.java
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* $Revision: 1161 $
* $Date: 2006-06-03 13:36:00 -0700 (Sat, 03 Jun 2006) $
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* $Id: JDOMXPath.java 1161 2006-06-03 20:36:00Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/jdom/JDOMXPath.java
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 * $Revision: 1255 $
 * $Date: 2006-11-09 10:20:12 -0800 (Thu, 09 Nov 2006) $
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* *
* $Id: FollowingSiblingAxisIterator.java 1255 2006-11-09 18:20:12Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/util/FollowingSiblingAxisIterator.java
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 * $Revision: 1128 $
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* $Id: DocumentFunction.java 1128 2006-02-05 21:49:04Z elharo $
* /*

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/function/xslt/DocumentFunction.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/JaxenRuntimeException.java
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/JaxenConstants.java
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* $Revision: 1268$
* $Date: 2006-12-10 07:32:14 -0800 (Sun, 10 Dec 2006) $
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*   *
*   $Id: Step.java 1268 2006-12-10 15:32:14Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/Step.java
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* $Id: Operator.java 1128 2006-02-05 21:49:04Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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$Id: XPath.java 1304 2007-05-02 15:00:13Z elharo$

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 * $Date: 2006-11-08 05:59:38 -0800 (Wed, 08 Nov 2006) $
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* $Id: XPathFunctionContext.java 1222 2006-11-08 13:59:38Z elharo $
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/*
$Id: IterableChildAxis.java 1162 2006-06-03 20:52:26Z elharo $
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* $Id: PrecedingSiblingAxisIterator.java 1257 2006-11-13 22:10:09Z elharo $
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*
* $Id: BinaryExpr.java 1252 2006-11-09 16:21:05Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/BinaryExpr.java
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* $Header$
* $Revision: 1252 $
* $Date: 2006-11-09 08:21:05 -0800 (Thu, 09 Nov 2006) $
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* $Id: RelationalExpr.java 1252 2006-11-09 16:21:05Z elharo $

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.90/jaxen-1-1-6-sources-jar/org/jaxen/expr/RelationalExpr.java

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 * $Revision: 1273 $
 * $Date: 2007-01-03 12:47:42 -0800 (Wed, 03 Jan 2007) $
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  * $Id: DefaultLiteralExpr.java 1273 2007-01-03 20:47:42Z elharo $
  */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/DefaultLiteralExpr.java
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* $Header$
* $Revision: 1396 $
* $Date: 2013-01-13 07:22:49 -0500 (Sun, 13 Jan 2013) $
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultLessThanEqualExpr.java
No license file was found, but licenses were detected in source scan.

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 * $Header$
 * $Revision: 1345 $
 * $Date: 2009-10-22 07:25:23 -0400 (Thu, 22 Oct 2009) $
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* $Id: DefaultLocationPath.java 1345 2009-10-22 11:25:23Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultLocationPath.java
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* $Header$
* $Revision: 1161 $
* $Date: 2006-06-03 13:36:00 -0700 (Sat, 03 Jun 2006) $ *
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 * $Id: SAXPathException.java 1161 2006-06-03 20:36:00Z elharo $ */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/saxpath/SAXPathException.java
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 * $Id: DefaultXPathFactory.java 1251 2006-11-09 16:11:38Z elharo $
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultXPathFactory.java
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$Id: Function.java 1128 2006-02-05 21:49:04Z elharo $

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/Function.java
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 * $Date: 2012-05-06 19:52:12 -0400 (Sun, 06 May 2012) $
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$Id: NamespaceNode.java 1370 2012-05-06 23:52:12Z elharo $

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 * $Header$
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* $Id: PredicateSet.java 1258 2006-11-13 22:38:17Z elharo $*
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jar/org/jaxen/expr/PredicateSet.java

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$Id: FollowingAxisIterator.java 1255 2006-11-09 18:20:12Z elharo $

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* $Id: FalseFunction.java 1128 2006-02-05 21:49:04Z elharo $ */

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 * $Revision: 1332 $
 * $Date: 2008-10-18 06:29:28 -0700 (Sat, 18 Oct 2008) $
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Found in path(s):
/opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultEqualityExpr.java

No license file was found, but licenses were detected in source scan.

$Id: IterableAxis.java 1128 2006-02-05 21:49:04Z elharo $

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* $Id: DefaultNavigator.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/DefaultNavigator.java
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* $Id: StackedIterator.java 1128 2006-02-05 21:49:04Z elharo $ 
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/util/StackedIterator.java
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* $Revision: 1161 $
* $Date: 2006-06-03 13:36:00 -0700 (Sat, 03 Jun 2006) $
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* $Id: XPathSyntaxException.java 1161 2006-06-03 20:36:00Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
    jar/org/jaxen/saxpath/XPathSyntaxException.java
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 * $Header$
 * $Revision: 1255 $
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 * $Revision: 1261 $
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 * $Id: DefaultAllNodeStep.java 1261 2006-11-30 18:49:27Z elharo $
 */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultAllNodeStep.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources.jar/org/jaxen/expr/DefaultGreaterThanEqualExpr.java

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* $Revision: 1162 $ *
* $Date: 2006-06-03 13:52:26 -0700 (Sat, 03 Jun 2006) $ *
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* $Id: IterableFollowingSiblingAxis.java 1162 2006-06-03 20:52:26Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/expr/iter/IterableFollowingSiblingAxis.java
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* $Revision: 1253 $
* $Date: 2006-11-09 08:39:19 -0800 (Thu, 09 Nov 2006) $
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* $Id: SingletonList.java 1253 2006-11-09 16:39:19Z elharo $
*/

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* $Date: 2008-04-26 18:48:59 -0700 (Sat, 26 Apr 2008) $
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* $Id: StringLengthFunction.java 1324 2008-04-27 01:48:59Z elharo $
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Found in path(s):
  */opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/function/StringLengthFunction.java
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* $Id: XPathReader.java 1334 2008-11-29 17:58:48Z elharo $
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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* $Id: DefaultAdditiveExpr.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: DefaultXPathExpr.java 1162 2006-06-03 20:52:26Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/expr/DefaultXPathExpr.java

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* $Revision: 1128 $
* $Date: 2006-02-05 13:49:04 -0800 (Sun, 05 Feb 2006) $
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/pattern/NamespaceTest.java

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/expr/DefaultFunctionCallExpr.java

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* $Id: SubstringAfterFunction.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/function/SubstringAfterFunction.java
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 * $Revision: 1156 $
 * $Date: 2006-06-03 13:04:05 -0700 (Sat, 03 Jun 2006) $
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* $Id: DocumentNavigator.java 1156 2006-06-03 20:04:05Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/xom/DocumentNavigator.java
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*$Id: EndsWithFunction.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/function/ext/EndsWithFunction.java

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 * $Header$
 * $Revision: 1334 $
 * $Date: 2008-11-29 09:58:48 -0800 (Sat, 29 Nov 2008) $
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* $Id: TokenTypes.java 1334 2008-11-29 17:58:48Z elharo $ /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/saxpath/base/TokenTypes.java
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* $Id: NamespaceUriFunction.java 1128 2006-02-05 21:49:04Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/function/NamespaceUriFunction.java
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 * $Header$
 * $Revision: 1228 $
 * $Date: 2006-11-08 08:00:22 -0800 (Wed, 08 Nov 2006) $
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* $Id: UnionExpr.java 1228 2006-11-08 16:00:22Z elharo $
*/

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* $Id: LocaleFunctionSupport.java 1128 2006-02-05 21:49:04Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/function/ext/LocaleFunctionSupport.java
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* $Id: ProcessingInstructionNodeStep.java 1226 2006-11-08 15:44:33Z elharo $
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 * $Id: BooleanFunction.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: IterablePrecedingAxis.java 1162 2006-06-03 20:52:26Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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*
* $Id: UnionPattern.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.90/jaxen-1-1-6-sources-
  jar/org/jaxen/pattern/UnionPattern.java
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 * $Revision: 1128 $
 * $Date: 2006-02-05 13:49:04 -0800 (Sun, 05 Feb 2006) $
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* $Id: PatternHandler.java 1128 2006-02-05 21:49:04Z elharo $
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/pattern/PatternHandler.java
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  * $Header$
  * $Revision: 1396 $
  * $Date: 2013-01-13 07:22:49 -0500 (Sun, 13 Jan 2013) $
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/expr/DefaultLessThanExpr.java
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 * $Header$
 * $Revision: 1255 $
 * $Date: 2006-11-09 10:20:12 -0800 (Thu, 09 Nov 2006) $
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* $Id: SingleObjectIterator.java 1255 2006-11-09 18:20:12Z elharo $
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
* jar/org/jaxen/util/SingleObjectIterator.java
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* $Header$
* $Revision: 1132 $
* $Date: 2006-03-30 05:53:11 -0800 (Thu, 30 Mar 2006) $
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* $Id: JaxenHandler.java 1132 2006-03-30 13:53:11Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/JaxenHandler.java
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* $Header$
* $Revision: 1225 $
* $Date: 2006-11-08 07:42:39 -0800 (Wed, 08 Nov 2006) $
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* $Id: LogicalExpr.java 1252 2006-11-09 16:21:05Z elharo $
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 * $Revision: 1128 $
 * $Date: 2006-02-05 13:49:04 -0800 (Sun, 05 Feb 2006) $
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 * $Id: IdFunction.java 1128 2006-02-05 21:49:04Z elharo $ */
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 * $Revision: 1325 $
 * $Date: 2008-04-26 18:55:05 -0700 (Sat, 26 Apr 2008) $
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* $Id: MultiplicativeExpr.java 1325 2008-04-27 01:55:05Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
jar/org/jaxen/expr/MultiplicativeExpr.java

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* $Id: TranslateFunction.java 1128 2006-02-05 21:49:04Z elharo $
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  jar/org/jaxen/function/TranslateFunction.java
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 * $Header$
 * $Revision: 1234 $
 * $Date: 2006-11-08 08:47:30 -0800 (Wed, 08 Nov 2006) $
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* $Id: LiteralExpr.java 1234 2006-11-08 16:47:30Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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* $Revision: 1154 $
* $Date: 2006-06-01 06:19:30 -0700 (Thu, 01 Jun 2006) $
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* $Id: QualifiedName.java 1154 2006-06-01 13:19:30Z elharo $
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* $Id: TrueFunction.java 1128 2006-02-05 21:49:04Z elharo $
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/*
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 * $Revision: 1161 $
 * $Date: 2006-06-03 13:36:00 -0700 (Sat, 03 Jun 2006) $
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* $Id: XOMXPath.java 1161 2006-06-03 20:36:00Z elharo $
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/xom/XOMXPath.java
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  * $Id: StringFunction.java 1128 2006-02-05 21:49:04Z elharo $
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/function/StringFunction.java

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 * $Header$
 * $Revision: 1162 $
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$Id: Dom4jXPath.java 1162 2006-06-03 20:52:26Z elharo $

Found in path(s):
/opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/dom4j/Dom4jXPath.java
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* $Id: StartsWithFunction.java 1128 2006-02-05 21:49:04Z elharo $
*/

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jar/org/jaxen/function/StartsWithFunction.java
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* $Revision: 1128 $
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$Id: DocumentNavigator.java 1161 2006-06-03 20:36:00Z elharo $

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  * $Header$
  * $Revision: 1300 $
  * $Date: 2007-05-02 07:27:46 -0700 (Wed, 02 May 2007) $
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 * $Id: DefaultModExpr.java 1261 2006-11-30 18:49:27Z elharo $
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/expr/DefaultModExpr.java
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 * $Revision: 1247 $
 * $Date: 2006-11-08 11:06:30 -0800 (Wed, 08 Nov 2006) $
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* $Id: UnaryExpr.java 1247 2006-11-08 19:06:30Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
* jar/org/jaxen/expr/UnaryExpr.java
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* $Id: AnyChildNodeTest.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: LocationPath.java 1235 2006-11-08 17:02:21Z elharo $
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* jar/org/jaxen/expr/LocationPath.java

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* $Id: NameFunction.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: NodeTypeTest.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: DocumentNavigator.java 1171 2006-07-03 13:17:30Z elharo $
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$Id: DefaultTruthExpr.java 1335 2008-11-30 14:20:38Z elharo $

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* $Id: XPathReaderFactory.java 1193 2006-09-15 20:41:38Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.90/jaxen-1-1-6-sources-
jar/org/jaxen/saxpath/helpers/XPathReaderFactory.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
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* $Id: DefaultLogicalExpr.java 1128 2006-02-05 21:49:04Z elharo $
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 * $Id: NodeTest.java 1128 2006-02-05 21:49:04Z elharo $
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 * $Date: 2006-06-03 13:36:00 -0700 (Sat, 03 Jun 2006) $
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* $Id: XPathSyntaxException.java 1161 2006-06-03 20:36:00Z elharo $ 
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/XPathSyntaxException.java
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$Id: IterableSelfAxis.java 1162 2006-06-03 20:52:26Z elharo $

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jar/org/jaxen/expr/iter/IterableAttributeAxis.java

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* $Id: FunctionContext.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: CeilingFunction.java 1128 2006-02-05 21:49:04Z elharo $
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* $Id: SubstringBeforeFunction.java 1128 2006-02-05 21:49:04Z elharo $
* /

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/function/SubstringBeforeFunction.java
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* $Id: XPathHandler.java 1128 2006-02-05 21:49:04Z elharo $
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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/saxpath/XPathHandler.java

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* $Id: DefaultStep.java 1128 2006-02-05 21:49:04Z elharo $
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  jar/org/jaxen/function/SubstringFunction.java
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* $Date: 2006-04-07 10:11:52 -0700 (Fri, 07 Apr 2006) $
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* $Id: Axis.java 1133 2006-03-30 13:56:36Z elharo $
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-jar/org/jaxen/saxpath/Axis.java
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* $Id: JavaBeanXPath.java 1161 2006-06-03 20:36:00Z elharo $
*/

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* /opt/ws_local/PERMITS_SQL/1018361820_1591370763.9/0/jaxen-1-1-6-sources-
  jar/org/jaxen/javabean/JavaBeanXPath.java
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* $Id: NameTest.java 1128 2006-02-05 21:49:04Z elharo $
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* $Date: 2006-07-03 04:58:31 -0700 (Mon, 03 Jul 2006) $
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* $Id: NamespaceContext.java 1168 2006-07-03 11:58:31Z elharo $
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* $Id: Predicated.java 1241 2006-11-08 18:07:25Z elharo $
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* $Id: XPathLexer.java 1334 2008-11-29 17:58:48Z elharo $
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$Id: DefaultMultiplyExpr.java 1261 2006-11-30 18:49:27Z elharo $

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  <xsl:stylesheet version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
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    <th>Package Artifact</th>
    <th>Package Version</th>
    <th>Remote Licenses</th>
    <th>Local Licenses</th>
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    <xsl:variable name="countOfPrevious" select="count(preceding-sibling::*[(concat(groupId, ':', artifactId, ':', version) = $GAV)])"/>
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      <td></td>
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* https://github.com/eclipse-ee4j/security-examples
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- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
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- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
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===========================================================================

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.2142 libjpeg 6b

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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

(Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers
Related Software

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

File Format Wars

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely

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send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2
The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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1.2145 python-isodate 0.6.0
1.2146 wildfly-http-naming-client 1.0.20.Final

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include/GL/glext.h
include/GL/glxext.h
include/GL/wglxext.h :

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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- `Carson Lam`

.. _Carson Lam: https://github.com/rbcarson

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/*
1.2172 netty-resolver 4.1.22.Final

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1.2178 jackson-dataformat-yaml 2.8.11
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1.2180 opensaml-saml-impl 3.3.0

1.2181 neo4j-graph-matching 3.1.9

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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1.2190 spring-web 4.3.7.RELEASE

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1.2191 scalap 2.10.0

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1.2193 adduser 3.118

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1.2194 beautiful-soup 4.4.1 1

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1.2197 api-ldap-codec-standalone 1.0.0-M20

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1.2202 opensaml-profile-api 3.3.1

1.2203 selinux 2.8-1+b1

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(If you think you should be in this list, but you are not, drop a
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        || strcmp(license, "GPL v2") == 0 
        || strcmp(license, "GPL and additional rights") == 0 
        || strcmp(license, "Dual BSD/GPL") == 0 
        || strcmp(license, "Dual MIT/GPL") == 0 
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}

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```

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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1.2208 jackson-databind 2.10.1
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That's all there is to it!
/* number.c: Implements arbitrary precision numbers. */
/*

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*************************************************************************/

#include <stdio.h>
#include <config.h>
#include <number.h>
#include <assert.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h> /* Prototypes needed for external utility routines. */

#define bc_rt_warn rt_warn
#define bc_rt_error rt_error
#define bc_out_of_memory out_of_memory

_PROTOTYPE(void rt_warn, (char *mesg,...));
_PROTOTYPE(void rt_error, (char *mesg,...));
_PROTOTYPE(void out_of_memory, (void));

/* Storage used for special numbers. */
bc_num _zero_
bc_num _one_
bc_num _two_

static bc_num _bc_Free_list = NULL;

/* new_num allocates a number and sets fields to known values. */

bc_num
bc_new_num (length, scale)
int length, scale;
{
  bc_num temp;
  
  if (_bc_Free_list != NULL) {
    temp = _bc_Free_list;
    _bc_Free_list = temp->n_next;
  } else {
    temp = (bc_num) malloc (sizeof(bc_struct));
    if (temp == NULL) bc_out_of_memory();
  }
  temp->n_sign = PLUS;
  temp->n_len = length;
  temp->n_scale = scale;
  temp->n_refs = 1;
  temp->n_ptr = (char *) malloc (length+scale);
  if (temp->n_ptr == NULL) bc_out_of_memory();
  temp->n_value = temp->n_ptr;
  memset (temp->n_ptr, 0, length+scale);
  return temp;
}

/* "Frees" a bc_num NUM. Actually decreases reference count and only
  frees the storage if reference count is zero. */
void
bc_free_num (num)
    bc_num *num;
{
  if (*num == NULL) return;
  (*num)->n.refs--;
  if ((*num)->n.refs == 0) {
    if ((*num)->n_ptr)
      free ((*num)->n_ptr);
    (*num)->n.next = _bc_Free_list;
    _bc_Free_list = *num;
  }
  *num = NULL;
  
  /* Initialize the number package! */
void
bc_init_numbers ()
{
  _zero_ = bc_new_num (1,0);
  _one_ = bc_new_num (1,0);
}
_one_.->_n_value[0] = 1;
_two_. = bc_new_num (1,0);
_two_.->_n_value[0] = 2;
}

/* Make a copy of a number! Just increments the reference count! */

bc_num
bc_copy_num (num)
  bc_num num;
{
  num->n_refs++;
  return num;
}

/* Initialize a number NUM by making it a copy of zero. */

void
bc_init_num (num)
  bc_num *num;
{
  *num = bc_copy_num (_zero_);
}

/* For many things, we may have leading zeros in a number NUM.
_bc_rm_leading_zeros just moves the data "value" pointer to the
  correct place and adjusts the length. */

static void
_bc_rm_leading_zeros (num)
  bc_num num;
{
  /* We can move n_value to point to the first non zero digit! */
  while (*num->n_value == 0 && num->n_len > 1) {
    num->n_value++;
    num->n_len--;
  }
}

/* Compare two bc numbers. Return value is 0 if equal, -1 if N1 is less
  than N2 and +1 if N1 is greater than N2. If USE_SIGN is false, just
  compare the magnitudes. */

static int
_bc_do_compare (n1, n2, use_sign, ignore_last)
bc_num n1, n2;
int use_sign;
int ignore_last;
{
    char *n1ptr, *n2ptr;
    int count;

    /* First, compare signs. */
    if (use_sign && n1->n_sign != n2->n_sign)
    {
        if (n1->n_sign == PLUS)
            return (1); /* Positive N1 > Negative N2 */
        else
            return (-1); /* Negative N1 < Positive N1 */
    }

    /* Now compare the magnitude. */
    if (n1->n_len != n2->n_len)
    {
        if (n1->n_len > n2->n_len)
        {
            /* Magnitude of n1 > n2. */
            if (!use_sign || n1->n_sign == PLUS)
                return (1);
            else
                return (-1);
        }
        else
        {
            /* Magnitude of n1 < n2. */
            if (!use_sign || n1->n_sign == PLUS)
                return (-1);
            else
                return (1);
        }
    }

    /* If we get here, they have the same number of integer digits.
    check the integer part and the equal length part of the fraction. */
    count = n1->n_len + MIN (n1->n_scale, n2->n_scale);
    n1ptr = n1->n_value;
    n2ptr = n2->n_value;

    while ((count > 0) && (*n1ptr == *n2ptr))
    {
        n1ptr++;
        n2ptr++;
        count--;
    }
if (ignore_last && count == 1 && n1->n_scale == n2->n_scale)
    return (0);
if (count != 0)
{
    if (*n1ptr > *n2ptr)
    {
        /* Magnitude of n1 > n2. */
        if (!use_sign || n1->n_sign == PLUS)
            return (1);
        else
            return (-1);
    }
    else
    {
        /* Magnitude of n1 < n2. */
        if (!use_sign || n1->n_sign == PLUS)
            return (-1);
        else
            return (1);
    }
}
/* They are equal up to the last part of the equal part of the fraction. */
if (n1->n_scale != n2->n_scale)
{
    if (n1->n_scale > n2->n_scale)
    {
        for (count = n1->n_scale-n2->n_scale; count>0; count--)
            if (*n1ptr++ != 0)
            {
                /* Magnitude of n1 > n2. */
                if (!use_sign || n1->n_sign == PLUS)
                    return (1);
                else
                    return (-1);
            }
    }
    else
    {
        for (count = n2->n_scale-n1->n_scale; count>0; count--)
            if (*n2ptr++ != 0)
            {
                /* Magnitude of n1 < n2. */
                if (!use_sign || n1->n_sign == PLUS)
                    return (-1);
                else
                    return (1);
            }
    }
}
/* They must be equal! */
return (0);
}

/* This is the "user callable" routine to compare numbers N1 and N2. */

int
bc_compare (n1, n2)
  bc_num n1, n2;
{
  return _bc_do_compare (n1, n2, TRUE, FALSE);
}

/* In some places we need to check if the number is negative. */

char
bc_is_neg (num)
  bc_num num;
{
  return num->n_sign == MINUS;
}

/* In some places we need to check if the number NUM is zero. */

char
bc_is_zero (num)
  bc_num num;
{
  int  count;
  char *nptr;

  /* Quick check. */
  if (num == _zero_) return TRUE;

  /* Initialize */
  count = num->n_len + num->n_scale;
  nptr = num->n_value;

  /* The check */
  while ((count > 0) && (*nptr++ == 0)) count--;

  if (count != 0)
    return FALSE;
else
    return TRUE;
}

/* In some places we need to check if the number NUM is almost zero. 
    Specifically, all but the last digit is 0 and the last digit is 1. 
    Last digit is defined by scale. */

char
bc_is_near_zero (num, scale)
    bc_num num;
    int scale;
{
    int count;
    char *nptr;

    /* Error checking */
    if (scale > num->n_scale)
        scale = num->n_scale;

    /* Initialize */
    count = num->n_len + scale;
    nptr = num->n_value;

    /* The check */
    while ((count > 0) && (*nptr++ == 0)) count--;

    if (count != 0 && (count != 1 || *--nptr != 1))
        return FALSE;
    else
        return TRUE;
}

/* Perform addition: N1 is added to N2 and the value is 
    returned. The signs of N1 and N2 are ignored. 
    SCALE_MIN is to set the minimum scale of the result. */

static bc_num
_bc_do_add (n1, n2, scale_min)
    bc_num n1, n2;
    int scale_min;
{
    bc_num sum;
    int sum_scale, sum_digits;
    char *n1ptr, *n2ptr, *sumptr;
    int carry, n1bytes, n2bytes;
    int count;

    /* Error checking */
    if (scale > num->n_scale)
        scale = num->n_scale;

    /* Initialize */
    count = num->n_len + scale;
    nptr = num->n_value;

    /* The check */
    while ((count > 0) && (*nptr++ == 0)) count--;

    if (count != 0 && (count != 1 || *--nptr != 1))
        return FALSE;
    else
        return TRUE;
}
/* Prepare sum. */
sum_scale = MAX (n1->n_scale, n2->n_scale);
sum_digits = MAX (n1->n_len, n2->n_len) + 1;
sum = bc_new_num (sum_digits, MAX(sum_scale, scale_min));

/* Zero extra digits made by scale_min. */
if (scale_min > sum_scale)
{
    sumptr = (char *) (sum->n_value + sum_scale + sum_digits);
    for (count = scale_min - sum_scale; count > 0; count--)
        *sumptr++ = 0;
}

/* Start with the fraction part. Initialize the pointers. */
n1bytes = n1->n_scale;
n2bytes = n2->n_scale;
n1ptr = (char *) (n1->n_value + n1->n_len + n1bytes - 1);
n2ptr = (char *) (n2->n_value + n2->n_len + n2bytes - 1);
sumptr = (char *) (sum->n_value + sum_scale + sum_digits - 1);

/* Add the fraction part. First copy the longer fraction. */
if (n1bytes != n2bytes)
{
    if (n1bytes > n2bytes)
        while (n1bytes > n2bytes)
        { *sumptr-- = *n1ptr--; n1bytes--;
        }
    else
        while (n2bytes > n1bytes)
        { *sumptr-- = *n2ptr--; n2bytes--;
        }
}

/* Now add the remaining fraction part and equal size integer parts. */
n1bytes += n1->n_len;
n2bytes += n2->n_len;
carry = 0;
while ((n1bytes > 0) && (n2bytes > 0))
{
    *sumptr = *n1ptr-- + *n2ptr-- + carry;
    if (*sumptr > (BASE-1))
    {
        carry = 1;
        *sumptr -= BASE;
    }
    else
        carry = 0;
    sumptr--;
    n1bytes--;
n2bytes--;
}

/* Now add carry the longer integer part. */
if (n1bytes == 0)
{
    n1bytes = n2bytes; n1ptr = n2ptr;
}
while (n1bytes-- > 0)
{
    *sumptr = *n1ptr-- + carry;
    if (*sumptr > (BASE-1))
    {
        carry = 1;
        *sumptr -= BASE;
    }
    else
        carry = 0;
    sumptr--;
}

/* Set final carry. */
if (carry == 1)
    *sumptr += 1;

/* Adjust sum and return. */
_bc_rm_leading_zeros (sum);
return sum;

/* Perform subtraction: N2 is subtracted from N1 and the value is returned. The signs of N1 and N2 are ignored. Also, N1 is assumed to be larger than N2. SCALE_MIN is the minimum scale of the result. */

static bc_num
_bc_do_sub (n1, n2, scale_min)

    bc_num n1, n2;
    int scale_min;
{
    bc_num diff;
    int diff_scale, diff_len;
    int min_scale, min_len;
    char *n1ptr, *n2ptr, *diffptr;
    int borrow, count, val;

    /* Allocate temporary storage. */
    diff_len = MAX (n1->n_len, n2->n_len);
    diff_scale = MAX (n1->n_scale, n2->n_scale);
min_len = MIN (n1->n_len, n2->n_len);
min_scale = MIN (n1->n_scale, n2->n_scale);
diff = bc_new_num (diff_len, MAX(diff_scale, scale_min));

/* Zero extra digits made by scale_min. */
if (scale_min > diff_scale)
{
    diffptr = (char *) (diff->n_value + diff_len + diff_scale);
    for (count = scale_min - diff_scale; count > 0; count--)
        *diffptr++ = 0;
}
/* Initialize the subtract. */

n1ptr = (char *) (n1->n_value + n1->n_len + n1->n_scale -1);
n2ptr = (char *) (n2->n_value + n2->n_len + n2->n_scale -1);
diffptr = (char *) (diff->n_value + diff_len + diff_scale -1);

/* Subtract the numbers. */

borrow = 0;

/* Take care of the longer scaled number. */
if (n1->n_scale != min_scale)
{
    /* n1 has the longer scale */
    for (count = n1->n_scale - min_scale; count > 0; count--)
        *diffptr-- = *n1ptr--;
} else
{
    /* n2 has the longer scale */
    for (count = n2->n_scale - min_scale; count > 0; count--)
    {
        val = - *n2ptr-- - borrow;
        if (val < 0)
        {
            val += BASE;
            borrow = 1;
        } else
            borrow = 0;
        *diffptr-- = val;
    }
}
/* Now do the equal length scale and integer parts. */

for (count = 0; count < min_len + min_scale; count++)
val = *n1ptr-- - *n2ptr-- - borrow;
if (val < 0)
{
    val += BASE;
    borrow = 1;
}
else
borrow = 0;
    *diffptr-- = val;
}

/* If n1 has more digits then n2, we now do that subtract. */
if (diff_len != min_len)
{
    for (count = diff_len - min_len; count > 0; count--)
{
val = *n1ptr-- - borrow;
if (val < 0)
{
    val += BASE;
    borrow = 1;
}
else
    borrow = 0;
    *diffptr-- = val;
}
}

/* Clean up and return. */
_bc_rm_leading_zeros (diff);
return diff;
}

/* Here is the full subtract routine that takes care of negative numbers. */
N2 is subtracted from N1 and the result placed in RESULT. SCALE_MIN is the minimum scale for the result. */

void
bc_sub (n1, n2, result, scale_min)
bc_num n1, n2, *result;
int scale_min;
{
bc_num diff = NULL;
int cmp_res;
int res_scale;

    if (n1->n_sign != n2->n_sign)
```c
/* Subtract two numbers. */

/* subtraction must be done. */
/* Compare magnitudes. */
cmp_res = _bc_do_compare (n1, n2, FALSE, FALSE);
switch (cmp_res)
{
  case -1:
    /* n1 is less than n2, subtract n1 from n2. */
    diff = _bc_do_sub (n2, n1, scale_min);
    diff->n_sign = (n2->n_sign == PLUS ? MINUS : PLUS);
    break;
  case  0:
    /* They are equal! return zero! */
    res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
    diff = bc_new_num (1, res_scale);
    memset (diff->n_value, 0, res_scale+1);
    break;
  case  1:
    /* n2 is less than n1, subtract n2 from n1. */
    diff = _bc_do_sub (n1, n2, scale_min);
    diff->n_sign = n1->n_sign;
    break;
}

/* Clean up and return. */
bc_free_num (result);
*result = diff;
}

/* Here is the full add routine that takes care of negative numbers. N1 is added to N2 and the result placed into RESULT. SCALE_MIN is the minimum scale for the result. */

void
bc_add (n1, n2, result, scale_min)
  bc_num n1, n2, *result;
  int scale_min;
{
  bc_num sum = NULL;
  int cmp_res;
  int res_scale;
```
if (n1->n_sign == n2->n_sign)
{
    sum = _bc_do_add (n1, n2, scale_min);
    sum->n_sign = n1->n_sign;
}
else
{
    /* subtraction must be done. */
    cmp_res = _bc_do_compare (n1, n2, FALSE, FALSE); /* Compare magnitudes. */
    switch (cmp_res)
    {
    case -1:
        /* n1 is less than n2, subtract n1 from n2. */
        sum = _bc_do_sub (n2, n1, scale_min);
        sum->n_sign = n2->n_sign;
        break;
    case 0:
        /* They are equal! return zero with the correct scale! */
        res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
        sum = bc_new_num (1, res_scale);
        memset (sum->n_value, 0, res_scale+1);
        break;
    case 1:
        /* n2 is less than n1, subtract n2 from n1. */
        sum = _bc_do_sub (n1, n2, scale_min);
        sum->n_sign = n1->n_sign;
    }

    /* Clean up and return. */
    bc_free_num (result);
    *result = sum;
}

/* Recursive vs non-recursive multiply crossover ranges. */
#if defined(MULDIGITS)
#include "muldigits.h"
#else
#define MUL_BASE_DIGITS 80
#endif

int mul_base_digits = MUL_BASE_DIGITS;
#define MUL_SMALL_DIGITS mul_base_digits/4

/* Multiply utility routines */

static bc_num
new_sub_num (length, scale, value)
    int length, scale;
    char *value;
{
    bc_num temp;

    if (_bc_Free_list != NULL) {
        temp = _bc_Free_list;
        _bc_Free_list = temp->n_next;
    } else {
        temp = (bc_num) malloc (sizeof(bc_struct));
        if (temp == NULL) bc_out_of_memory();
    }
    temp->n_sign = PLUS;
    temp->n_len = length;
    temp->n_scale = scale;
    temp->n_refs = 1;
    temp->n_ptr = NULL;
    temp->n_value = value;
    return temp;
}

static void
_bb_simp_mul (bc_num n1, int n1len, bc_num n2, int n2len, bc_num *prod,
                    int full_scale)
{
    char *n1ptr, *n2ptr, *pvptr;
    char *n1end, *n2end; /* To the end of n1 and n2. */
    int indx, sum, prodlen;

    prodlen = n1len+n2len+1;

    *prod = bc_new_num (prodlen, 0);

    n1end = (char *) (n1->n_value + n1len - 1);
    n2end = (char *) (n2->n_value + n2len - 1);
    pvptr = (char *) (*prod)->n_value + prodlen - 1);
    sum = 0;

    /* Here is the loop... */
    for (indx = 0; indx < prodlen-1; indx++)
    {
        n1ptr = (char *) (n1end - MAX(0, indx-n2len+1));
        n2ptr = (char *) (n2end - MIN(indx, n2len-1));
        while ((n1ptr >= n1->n_value) && (n2ptr <= n2end))
            sum += *n1ptr-- * *n2ptr++;
        *pvptr-- = sum % BASE;
        sum = sum / BASE;
/* A special adder/subtractor for the recursive divide and conquer multiply algorithm. Note: if sub is called, accum must be larger than what is being subtracted. Also, accum and val must have n_scale = 0. (e.g. they must look like integers. */
static void _bc_shift_addsub (bc_num accum, bc_num val, int shift, int sub)
{
    signed char *accp, *valp;
    int  count, carry;

    count = val->n_len;
    if (val->n_value[0] == 0)
        count--;
    assert (accum->n_len+accum->n_scale >= shift+count);

    /* Set up pointers and others */
    accp = (signed char *)(accum->n_value +
                        accum->n_len + accum->n_scale - shift - 1);
    valp = (signed char *)(val->n_value + val->n_len - 1);
    carry = 0;

    if (sub) {
        /* Subtraction, carry is really borrow. */
        while (count--)
        {
            *accp -= *valp-- + carry;
            if (*accp < 0) {
                carry = 1;
                *accp-- += BASE;
            } else {
                carry = 0;
                accp--;
            }
        }
        while (carry) {
            *accp -= carry;
            if (*accp < 0)
                *accp-- += BASE;
            else
                carry = 0;
        }
    } else {
        /* Addition */
        while (count--)
        {
            *accp -= *valp-- + carry;
        }
    }
}
*accp += *valp-- + carry;
if (*accp > (BASE-1)) {
    carry = 1;
    *accp-- = BASE;
} else {
    carry = 0;
    accp--;
}
}
while (carry) {
    *accp += carry;
    if (*accp > (BASE-1))
        *accp-- = BASE;
    else
        carry = 0;
}
}
}

/* Recursive divide and conquer multiply algorithm. */
Based on
Let u = u0 + u1*(b^n)
Let v = v0 + v1*(b^n)
Then uv = (B^2n+B^n)*u1*v1 + B^n*(u1-u0)*(v0-v1) + (B^n+1)*u0*v0

B is the base of storage, number of digits in u1,u0 close to equal.
*/
static void
_bcrec_mul (bc_num u, int uelen, bc_num v, int vlen, bc_num *prod,
              int full_scale)
{
    bc_num u0, u1, v0, v1;
    int u0len, v0len;
    bc_num m1, m2, m3, d1, d2;
    int n, prodlen, m1zero;
    int d1len, d2len;

    /* Base case? */
    if ((ulen+vlen) < mul_base_digits
       || uelen < MUL_SMALL_DIGITS
       || vlen < MUL_SMALL_DIGITS ) {
        _bcsimp_mul (u, uelen, v, vlen, prod, full_scale);
        return;
    }

    /* Calculate n -- the u and v split point in digits. */
    n = (MAX(uelen, vlen)+1) / 2;
/* Split u and v. */
if (ulen < n) {
    u1 = bc_copy_num (_zero_);
    u0 = new_sub_num (ulen, 0, u->n_value);
} else {
    u1 = new_sub_num (ulen-n, 0, u->n_value);
    u0 = new_sub_num (n, 0, u->n_value+ulen-n);
}
if (vlen < n) {
    v1 = bc_copy_num (_zero_);
    v0 = new_sub_num (vlen, 0, v->n_value);
} else {
    v1 = new_sub_num (vlen-n, 0, v->n_value);
    v0 = new_sub_num (n, 0, v->n_value+vlen-n);
}
_bc_rm_leading_zeros (u1);
_bc_rm_leading_zeros (u0);
u0len = u0->n_len;
_bc_rm_leading_zeros (v1);
_bc_rm_leading_zeros (v0);
v0len = v0->n_len;

m1zero = bc_is_zero(u1) || bc_is_zero(v1);

/* Calculate sub results ... */

bc_init_num(&d1);
brc_init_num(&d2);
brc_sub (u1, u0, &d1, 0);
d1len = d1->n_len;
brc_sub (v0, v1, &d2, 0);
d2len = d2->n_len;

/* Do recursive multiplies and shifted adds. */
if (m1zero)
    m1 = bc_copy_num (_zero_);
else
    _bc_rec_mul (u1, u1->n_len, v1, v1->n_len, &m1, 0);

if (bc_is_zero(d1) || bc_is_zero(d2))
    m2 = bc_copy_num (_zero_);
else
    _bc_rec_mul (d1, d1len, d2, d2len, &m2, 0);

if (bc_is_zero(u0) || bc_is_zero(v0))
    m3 = bc_copy_num (_zero_);
else
_bc_rec_mul (u0, u0->n_len, v0, v0->n_len, &m3, 0);

/* Initialize product */
prodlen = ulen+vlen+1;
*prod = bc_new_num(prodlen, 0);

if (!m1zero) {
    _bc_shift_addsub (*prod, m1, 2*n, 0);
    _bc_shift_addsub (*prod, m1, n, 0);
}
    _bc_shift_addsub (*prod, m3, n, 0);
    _bc_shift_addsub (*prod, m3, 0, 0);
    _bc_shift_addsub (*prod, m2, n, d1->n_sign != d2->n_sign);

/* Now clean up! */
b_c_free_num (&u1);
b_c_free_num (&u0);
b_c_free_num (&v1);
b_c_free_num (&m1);
b_c_free_num (&v0);
b_c_free_num (&m2);
b_c_free_num (&m3);
b_c_free_num (&d1);
b_c_free_num (&d2);
}

/* The multiply routine.  N2 times N1 is put int PROD with the scale of
the result being MIN(N2 scale+N1 scale, MAX (SCALE, N2 scale, N1 scale)).*/

void
bc_multiply (n1, n2, prod, scale)
    bc_num n1, n2, *prod;
    int scale;
{
    bc_num pval;
    int len1, len2;
    int full_scale, prod_scale;

    /* Initialize things. */
    len1 = n1->n_len + n1->n_scale;
    len2 = n2->n_len + n2->n_scale;
    full_scale = n1->n_scale + n2->n_scale;
    prod_scale = MIN(full_scale,MAX(scale,MAX(n1->n_scale,n2->n_scale)));

    /* Do the multiply */
    _bc_rec_mul (n1, len1, n2, len2, &pval, full_scale);
/* Assign to prod and clean up the number. */
pval->n_sign = ( n1->n_sign == n2->n_sign ? PLUS : MINUS );
pval->n_value = pval->n_ptr;
pval->n_len = len2 + len1 + 1 - full_scale;
pval->n_scale = prod_scale;
_bc_rm_leading_zeros (pval);
if (bc_is_zero (pval))
    pval->n_sign = PLUS;
b_c_free_num (prod);
*prod = pval;
}

/* Some utility routines for the divide: First a one digit multiply. 
NUM (with SIZE digits) is multiplied by DIGIT and the result is 
placed into RESULT. It is written so that NUM and RESULT can be 
the same pointers. */

static void
_one_mult (num, size, digit, result)
    unsigned char *num;
    int size, digit;
    unsigned char *result;
{
    int carry, value;
    unsigned char *nptr, *rptr;

    if (digit == 0)
        memset (result, 0, size);
    else
        {
            if (digit == 1)
                memcpy (result, num, size);
            else
                {
                    /* Initialize */
                    nptr = (unsigned char *) (num+size-1);
                    rptr = (unsigned char *) (result+size-1);
                    carry = 0;

                    while (size-- > 0)
                        {
                            value = *nptr-- * digit + carry;
                            *rptr-- = value % BASE;
                            carry = value / BASE;
                        }
                    if (carry != 0) *rptr = carry;
                }
        }
}
/* The full division routine. This computes N1 / N2. It returns
0 if the division is ok and the result is in QUOT. The number of
digits after the decimal point is SCALE. It returns -1 if division
by zero is tried. The algorithm is found in Knuth Vol 2. p237. */

int
bc_divide (n1, n2, quot, scale)
    bc_num n1, n2, *quot;
    int scale;
{
    bc_num qval;
    unsigned char *num1, *num2;
    unsigned char *ptr1, *ptr2, *n2ptr, *qptr;
    int  scale1, val;
    unsigned int  len1, len2, scale2, qdigits, extra, count;
    unsigned int  qdig, aguess, borrow, carry;
    unsigned char *mval;
    char zero;
    unsigned int  norm;

    /* Test for divide by zero. */
    if (bc_is_zero (n2)) return -1;

    /* Test for divide by 1. If it is we must truncate. */
    if (n2->n_scale == 0)
        { if (n2->n_len == 1 && *n2->n_value == 1)

        qval = bc_new_num (n1->n_len, scale);
        qval->n_sign = (n1->n_sign == n2->n_sign ? PLUS : MINUS);
        memset (&qval->n_value[n1->n_len],0,scale);
        memcpy (qval->n_value, n1->n_value,
        n1->n_len + MIN(n1->n_scale,scale));
        bc_free_num (quot);
        *quot = qval;
        }
    }

    /* Set up the divide. Move the decimal point on n1 by n2's scale.
    Remember, zeros on the end of num2 are wasted effort for dividing. */
    scale2 = n2->n_scale;
    n2ptr = (unsigned char *) n2->n_value+n2->n_len+scale2-1;
    while ((scale2 > 0) && (*n2ptr-- == 0)) scale2--;
len1 = n1->n_len + scale2;
scale1 = n1->n_scale - scale2;
if (scale1 < scale)
    extra = scale - scale1;
else
    extra = 0;
num1 = (unsigned char *) malloc (n1->n_len+n1->n_scale+extra+2);
if (num1 == NULL) bc_out_of_memory();
memset (num1, 0, n1->n_len+n1->n_scale+extra+2);
memcpy (num1+1, n1->n_value, n1->n_len+n1->n_len);

len2 = n2->n_len + scale2;
um2 = (unsigned char *) malloc (len2+1);
if (num2 == NULL) bc_out_of_memory();
memcpy (num2, n2->n_value, len2);
*(num2+len2) = 0;
n2ptr = num2;
while (*n2ptr == 0)
{
    n2ptr++;
    len2--;
}

/* Calculate the number of quotient digits. */
if (len2 > len1+scale)
{
    qdigits = scale+1;
    zero = TRUE;
}
else
{
    zero = FALSE;
    if (len2>len1)
        qdigits = scale+1; /* One for the zero integer part. */
    else
        qdigits = len1-len2+scale+1;
}

/* Allocate and zero the storage for the quotient. */
qval = bc_new_num (qdigits-scale,scale);
memset (qval->n_value, 0, qdigits);

/* Allocate storage for the temporary storage mval. */
mval = (unsigned char *) malloc (len2+1);
if (mval == NULL) bc_out_of_memory();

/* Now for the full divide algorithm. */
if (!zero)
/* Normalize */
    norm = 10 / ((int)*n2ptr + 1);
    if (norm != 1)
    {
        _one_mult (num1, len1+scale1+extra1, norm, num1);
        _one_mult (n2ptr, len2, norm, n2ptr);
    }

/* Initialize divide loop. */
    qdig = 0;
    if (len2 > len1)
        qptr = (unsigned char *) qval->n_value+len2-len1;
    else
        qptr = (unsigned char *) qval->n_value;

/* Loop */
    while (qdig <= len1+scale-len2)
    {
/* Calculate the quotient digit guess. */
        if (*n2ptr == num1[qdig])
            qguess = 9;
        else
            qguess = (num1[qdig]*10 + num1[qdig+1]) / *n2ptr;
        /* Test qguess. */
        if (n2ptr[1]*qguess >
            (num1[qdig]*10 + num1[qdig+1] - *n2ptr*qguess)*10
            + num1[qdig+2])
        {
            qguess--;
/* And again. */
        if (n2ptr[1]*qguess >
            (num1[qdig]*10 + num1[qdig+1] - *n2ptr*qguess)*10
            + num1[qdig+2])
            qguess--;
        }
/* Multiply and subtract. */
        borrow = 0;
        if (qguess != 0)
        {
            *mval = 0;
            _one_mult (n2ptr, len2, qguess, mval+1);
            ptr1 = (unsigned char *) num1+qdig+len2;
            ptr2 = (unsigned char *) mval+len2;
            for (count = 0; count < len2+1; count++)
val = (int) *ptr1 - (int) *ptr2 - borrow;
if (val < 0)
{
    val += 10;
    borrow = 1;
}
else
    borrow = 0;
*ptr1-- = val;
}

/* Test for negative result. */
if (borrow == 1)
{
    qguess--;
    ptr1 = (unsigned char *) num1+qdig+len2;
    ptr2 = (unsigned char *) n2ptr+len2-1;
    carry = 0;
    for (count = 0; count < len2; count++)
    {
        val = (int) *ptr1 + (int) *ptr2-- + carry;
        if (val > 9)
        {
            val -= 10;
            carry = 1;
        }
        else
            carry = 0;
        *ptr1-- = val;
    }
    if (carry == 1) *ptr1 = (*ptr1 + 1) % 10;
}

/* We now know the quotient digit. */
*qptr++ = qguess;
qdig++;
}

/* Clean up and return the number. */
qval->n_sign = ( n1->n_sign == n2->n_sign ? PLUS : MINUS );
if (bc_is_zero (qval)) qval->n_sign = PLUS;
.bc_rm_leading_zeros (qval);
bc_free_num (quot);
*quot = qval;

/* Clean up temporary storage. */
free (mval);
free (num1);
free (num2);

return 0;/* Everything is OK. */
}

/* Division *and* modulo for numbers. This computes both NUM1 / NUM2 and NUM1 % NUM2 and puts the results in QUOT and REM, except that if QUOT is NULL then that store will be omitted. */

int
bc_divmod (num1, num2, quot, rem, scale)
   bc_num num1, num2, *quot, *rem;
   int scale;
{
   bc_num quotient = NULL;
   bc_num temp;
   int rscale;

   /* Check for correct numbers. */
   if (bc_is_zero (num2)) return -1;

   /* Calculate final scale. */
   rscale = MAX (num1->n_scale, num2->n_scale+scale);
   bc_init_num(&temp);

   /* Calculate it. */
   bc_divide (num1, num2, &temp, scale);
   if (quot)
      quotient = bc_copy_num (temp);
   bc_multiply (temp, num2, &temp, rscale);
   bc_sub (num1, temp, rem, rscale);
   bc_free_num (&temp);

   if (quot)
      {
         bc_free_num (quot);
         *quot = quotient;
      }

   return 0;/* Everything is OK. */
}

/* Modulo for numbers. This computes NUM1 % NUM2 and puts the
result in RESULT. */

int
bc_modulo (num1, num2, result, scale)
    bc_num num1, num2, *result;
    int scale;
{
    return bc_divmod (num1, num2, NULL, result, scale);
}

/* Raise BASE to the EXPO power, reduced modulo MOD. The result is placed in RESULT. If a EXPO is not an integer, only the integer part is used. */

int
bc_raisemod (base, expo, mod, result, scale)
    bc_num base, expo, mod, *result;
    int scale;
{
    bc_num power, exponent, parity, temp;
    int rscale;

    /* Check for correct numbers. */
    if (bc_is_zero(mod)) return -1;
    if (bc_is_neg(expo)) return -1;

    /* Set initial values. */
    power = bc_copy_num (base);
    exponent = bc_copy_num (expo);
    temp = bc_copy_num (_one_);
    bc_init_num(&parity);

    /* Check the base for scale digits. */
    if (base->n_scale != 0)
        bc_rt_warn ("non-zero scale in base");

    /* Check the exponent for scale digits. */
    if (exponent->n_scale != 0)
        { bc_rt_warn ("non-zero scale in exponent");
          bc_divide (exponent, _one_, &exponent, 0); /*truncate */
        }

    /* Check the modulus for scale digits. */
    if (mod->n_scale != 0)
        bc_rt_warn ("non-zero scale in modulus");

    /* Do the calculation. */
rscale = MAX(scale, base->n_scale);
while ( !bc_is_zero(exponent) )
{
    (void) bc_divmod (exponent, _two_, &exponent, &parity, 0);
    if ( !bc_is_zero(parity) )
    {
        bc_multiply (temp, power, &temp, rscale);
        (void) bc_modulo (temp, mod, &temp, scale);
    }
    bc_multiply (power, power, &power, rscale);
    (void) bc_modulo (power, mod, &power, scale);
}

/* Assign the value. */
bc_free_num (&power);
bc_free_num (&exponent);
bc_free_num (result);
*result = temp;
return 0; /* Everything is OK. */
}

/* Raise NUM1 to the NUM2 power. The result is placed in RESULT.  */
/* Maximum exponent is LONG_MAX. If a NUM2 is not an integer, */
/* only the integer part is used. */
void
bc_raise (num1, num2, result, scale)
    bc_num num1, num2, *result;
    int scale;
{
    bc_num temp, power;
    long exponent;
    int rscale;
    int pwrscaler; /* ?? */
    int calcscale;
    char neg;

    /* Check the exponent for scale digits and convert to a long. */
    if (num2->n_scale != 0)
        bc_rt_warn ("non-zero scale in exponent");
    exponent = bc_num2long (num2);
    if (exponent == 0 && (num2->n_len > 1 || num2->n_value[0] != 0))
        bc_rt_error ("exponent too large in raise");

    /* Special case if exponent is a zero. */
    if (exponent == 0)
    {
bc_free_num (result);
*result = bc_copy_num (_one_);
return;
}

/* Other initializations. */
if (exponent < 0)
{
    neg = TRUE;
    exponent = -exponent;
    rscale = scale;
}
else
{
    neg = FALSE;
    rscale = MIN (num1->n_scale*exponent, MAX(scale, num1->n_scale));
}

/* Set initial value of temp. */
power = bc_copy_num (num1);
pwrscale = num1->n_scale;
while ((exponent & 1) == 0)
{
    pwrscale = 2*pwrscale;
    bc_multiply (power, power, &power, pwrscale);
    exponent = exponent >> 1;
}

temp = bc_copy_num (power);
calcscale = pwrscale;
exponent = exponent >> 1;

/* Do the calculation. */
while (exponent > 0)
{
    pwrscale = 2*pwrscale;
    bc_multiply (power, power, &power, pwrscale);
    if ((exponent & 1) == 1) {
        calcscale = pwrscale + calcscale;
        bc_multiply (temp, power, &temp, calcscale);
    }
    exponent = exponent >> 1;
}

/* Assign the value. */
if (neg)
{
    bc_divide (_one_, temp, result, rscale);
    bc_free_num (&temp);
} else {
    bc_free_num (result);
    *result = temp;
    if ((*result)->n_scale > rscale)
        (*result)->n_scale = rscale;
    }
bc_free_num (&power);

/* Take the square root NUM and return it in NUM with SCALE digits
   after the decimal place. */

int bc_sqrt (num, scale)
    bc_num *num;
    int scale;
{
    int rscale, cmp_res, done;
    int cscale;
    bc_num guess, guess1, point5, diff;

    /* Initial checks. */
    cmp_res = bc_compare (*num, _zero_);
    if (cmp_res < 0)
        return 0;/* error */
    else {
        if (cmp_res == 0)
            {      
            bc_free_num (num);
            *num = bc_copy_num (_zero_);
            return 1;
            }
        cmp_res = bc_compare (*num, _one_);
        if (cmp_res == 0)
            {      
            bc_free_num (num);
            *num = bc_copy_num (_one_);
            return 1;
            }
    }
    /* Initialize the variables. */
    rscale = MAX (scale, (*num)->n_scale);
    bc_init_num(&guess);
    bc_init_num(&guess1);
/* Calculate the initial guess. */
if (cmp_res < 0)
{
	/* The number is between 0 and 1. Guess should start at 1. */
	guess = bc_copy_num (_one_);
	dscale = (*num)->n_scale;
}
else
{
	/* The number is greater than 1. Guess should start at 10^{exp/2}. */
	body2num (&guess,10);

	bc_multiply (&guess1,(*num)->n_len);
	bc_multiply (guess1, point5, &guess1, 0);
	ds1->n_scale = 0;
	body (guess, guess1, &guess, 0);
	body_num (&guess1);
	dscale = 3;
}

/* Find the square root using Newton's algorithm. */
done = FALSE;
while (!done)
{
	body_num (&guess1);
	n1 = bc_copy_num (guess);
	bc_divide (*num, guess, &guess, cscale);
	bc_add (guess, guess1, &guess, 0);
	body (guess, point5, &guess, cscale);
	bc_sub (guess, guess1, &diff, cscale+1);
	if (bc_is_near_zero (diff, cscale))
	{
		if (cscale < rscale+1)
			dscale = MIN (cscale*3, rscale+1);
		else
			done = TRUE;
	}
}

/* Assign the number and clean up. */
bh_num (num);
	body (guess, _one_num,rscale);
	bh_num (&guess);

bc_init_num(&diff);
point5 = bc_new_num (1,1);
point5->n_value[1] = 5;
bc_free_num (&guess1);
bctrace_num (&point5);
bctrace_num (&diff);
return 1;
}

/* The following routines provide output for bcd numbers package
using the rules of POSIX bc for output. */

/* This structure is used for saving digits in the conversion process. */
typedef struct stk_rec {
    long digit;
    struct stk_rec *next;
} stk_rec;

/* The reference string for digits. */
static char ref_str[] = "0123456789ABCDEF";

/* A special output routine for "multi-character digits." Exactly
SIZE characters must be output for the value VAL. If SPACE is
non-zero, we must output one space before the number. OUT_CHAR
is the actual routine for writing the characters. */

void
bc_out_long (val, size, space, out_char)
    long val;
    int size, space;
#ifdef __STDC__
    void (*out_char)(int);
#else
    void (*out_char)();
#endif
{
    char digits[40];
    int len, ix;

    if (space) (*out_char) (');
    sprintf (digits, "%ld", val);
    len = strlen (digits);
    while (size > len)
    {
        (*out_char) ('0');
        size--;
    }
    for (ix=0; ix < len; ix++)
        (*out_char) (digits[ix]);
void
bc_out_num (num, o_base, out_char, leading_zero)
    bc_num num;
    int o_base;
#endif
int leading_zero;
{
    char *nptr;
    int  index, fdigit, pre_space;
    stk_rec *digits, *temp;
    bc_num int_part, frac_part, base, cur_dig, t_num, max_o_digit;

    /* The negative sign if needed. */
    if (num->n_sign == MINUS) (*out_char) ('-');

    /* Output the number. */
    if (bc_is_zero (num))
        (*out_char) ('0');
    else
        if (o_base == 10)
            /* The number is in base 10, do it the fast way. */
            nptr = num->n_value;
            if (num->n_len > 1 || *nptr != 0)
                for (index=num->n_len; index>0; index--)
                    (*out_char) (BCD_CHAR(*nptr++));
            else
                nptr++;

            if (leading_zero && bc_is_zero (num))
                (*out_char) ('0');

            /* Now the fraction. */
            if (num->n_scale > 0)
                {
                    (*out_char) ('.);
                    for (index=0; index<num->n_scale; index++)
                        (*out_char) (BCD_CHAR(*nptr++));
                }

        /* The number is in base 10, do it the fast way. */
        nptr = num->n_value;
        if (num->n_len > 1 || *nptr != 0)
            for (index=num->n_len; index>0; index--)
                (*out_char) (BCD_CHAR(*nptr++));
        else
            nptr++;
        }
/* special case ... */
if (leading_zero && bc_is_zero (num))
  (*out_char) ('0');

/* The number is some other base. */
digits = NULL;
bc_init_num (&int_part);
bc_divide (num, _one_, &int_part, 0);
bc_init_num (&frac_part);
bc_init_num (&cur_dig);
bc_init_num (&base);
bc_sub (num, int_part, &frac_part, 0);
/* Make the INT_PART and FRAC_PART positive. */
int_part->n_sign = PLUS;
frac_part->n_sign = PLUS;
bc_int2num (&base, o_base);
bci_tu_num (&max_o_digit);
bci_tu_num (&max_o_digit, o_base-1);

/* Get the digits of the integer part and push them on a stack. */
while (!bc_is_zero (int_part))
{
  bc_modulo (int_part, base, &cur_dig, 0);
temp = (stk_rec *) malloc (sizeof(stk_rec));
  if (temp == NULL) bc_out_of_memory();
temp->digit = bc_num2long (cur_dig);
temp->next = digits;
digits = temp;
bc_divide (int_part, base, &int_part, 0);
}
/* Print the digits on the stack. */
if (digits != NULL)
{
  /* Output the digits. */
  while (digits != NULL)
  {
    temp = digits;
digits = digits->next;
if (o_base <= 16)
      (*out_char) (ref_str[ (int) temp->digit]);
else
      bc_out_long (temp->digit, max_o_digit->n_len, 1, out_char);
free (temp);
/* Get and print the digits of the fraction part. */
if (num->n_scale > 0)
{
    (*out_char) ('.');
    pre_space = 0;
    t_num = bc_copy_num (_one_);
    while (t_num->n_len <= num->n_scale) {
        bc_multiply (frac_part, base, &frac_part, num->n_scale);
        fdigit = bc_num2long (frac_part);
        bc_int2num (&int_part, fdigit);
        bc_sub (frac_part, int_part, &frac_part, 0);
        if (o_base <= 16)
            (*out_char) (ref_str[fdigit]);
        else {
            bc_out_long (fdigit, max_o_digit->n_len, pre_space, out_char);
            pre_space = 1;
        }
        bc_multiply (t_num, base, &t_num, 0);
    }
    bc_free_num (&t_num);
}

/* Clean up. */
b_c_free_num (&int_part);
b_c_free_num (&frac_part);
b_c_free_num (&base);
b_c_free_num (&cur_dig);
b_c_free_num (&max_o_digit);
}

/* Convert a number NUM to a long.  The function returns only the integer part of the number.  For numbers that are too large to represent as a long, this function returns a zero.  This can be detected by checking the NUM for zero after having a zero returned. */

long
bc_num2long (num)
    bc_num num;
{
    long val;
    char *nptr;
    int  index;

    /* Extract the int value, ignore the fraction. */
    val = 0;
nptr = num->n_value;
for (index=num->n_len; (index>0) && (val<=(LONG_MAX/BASE)); index--)
    val = val*BASE + *nptr++;

/* Check for overflow. If overflow, return zero. */
if (index>0) val = 0;
if (val < 0) val = 0;

/* Return the value. */
if (num->n_sign == PLUS)
    return (val);
else
    return (-val);
}

/* Convert an integer VAL to a bc number NUM. */
void 
bc_int2num (num, val)
    bc_num *num;
    int val;
{
    char buffer[30];
    char *bptr, *vptr;
    int ix = 1;
    char neg = 0;

    /* Sign. */
    if (val < 0)
    {
        neg = 1;
        val = -val;
    }

    /* Get things going. */
    bptr = buffer;
    *bptr++ = val % BASE;
    val = val / BASE;

    /* Extract remaining digits. */
    while (val != 0)
    {
        *bptr++ = val % BASE;
        val = val / BASE;
        ix++; /* Count the digits. */
    }
/** Make the number. **/  
bc_free_num(num);  
*num = bc_new_num(ix, 0);  
if (neg) (*num)->n_sign = MINUS;  

/** Assign the digits. **/  
vptr = (*num)->n_value;  
while (ix-- > 0)  
    *vptr++ = *--bptr;

/** Convert a numbers to a string. Base 10 only. **/  
char  
*num2str(num)  
    bc_num num;  
{  
    char *str, *sptr;  
    char *nptr;  
    int index, signch;  

    /** Allocate the string memory. **/  
    signch = ( num->n_sign == PLUS ? 0 : 1 );  /* Number of sign chars. */  
    if (num->n_scale > 0)  
        str = (char *) malloc(num->n_len + num->n_scale + 2 + signch);  
    else  
        str = (char *) malloc(num->n_len + 1 + signch);  
    if (str == NULL) bc_out_of_memory();  

    /** The negative sign if needed. **/  
    sptr = str;  
    if (signch) *sptr++ = '-';  

    /** Load the whole number. **/  
    nptr = num->n_value;  
    for (index=num->n_len; index>0; index--)  
        *sptr++ = BCD_CHAR(*nptr++);  

    /** Now the fraction. **/  
    if (num->n_scale > 0)  
    {  
        *sptr++ = '.';  
        for (index=0; index<num->n_scale; index++)  
            *sptr++ = BCD_CHAR(*nptr++);  
    }  

    /** Terminate the string and return it! **/  
    *sptr = '\0';
return (str);
}
/* Convert strings to bc numbers. Base 10 only.*/
void
bc_str2num (num, str, scale)
bc_num *num;
char *str;
int scale;
{
int digits, strscale;
char *ptr, *nptr;
char zero_int;
/* Prepare num. */
bc_free_num (num);
/* Check for valid number and count digits. */
ptr = str;
digits = 0;
strscale = 0;
zero_int = FALSE;
if ( (*ptr == '+') || (*ptr == '-')) ptr++; /* Sign */
while (*ptr == '0') ptr++;/* Skip leading zeros. */
while (isdigit((int)*ptr)) ptr++, digits++;/* digits */
if (*ptr == '.') ptr++;/* decimal point */
while (isdigit((int)*ptr)) ptr++, strscale++;/* digits */
if ((*ptr != '\0') || (digits+strscale == 0))
{
*num = bc_copy_num (_zero_);
return;
}
/* Adjust numbers and allocate storage and initialize fields. */
strscale = MIN(strscale, scale);
if (digits == 0)
{
zero_int = TRUE;
digits = 1;
}
*num = bc_new_num (digits, strscale);
/* Build the whole number. */
ptr = str;
if (*ptr == '-')
{
(*num)->n_sign = MINUS;
ptr++;

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else
{
    (*num)->n_sign = PLUS;
    if (*ptr == '+') ptr++;
}
while (*ptr == '0') ptr++; /* Skip leading zeros. */
np = (*num)->n_value;
if (zero_int)
{
    *np = 0;
    digits = 0;
}
for (;digits > 0; digits--)
    *np = CH_VAL(*ptr);

/* Build the fractional part. */
if (strscale > 0)
{
    ptr++; /* skip the decimal point! */
    for (;strscale > 0; strscale--)
        *np = CH_VAL(*ptr);
}

/* pn prints the number NUM in base 10. */
static void
out_char (int c)
{
    putchar(c);
}

void
pn (num)
{
     bc_num num;
{
     bc_out_num (num, 10, out_char, 0);
     out_char ('n');
}

/* pv prints a character array as if it was a string of bcd digits. */
void
pv (name, num, len)
{
     char *name;

unsigned char *num;
int len;
{
    int i;
    printf ("%s=", name);
    for (i=0; i<len; i++) printf ("%c", BCD_CHAR(num[i]));
    printf ("\n");
}

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public DomainDataRegion getRegion() {
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/* FAT32, VFAT, Atari format support, and various fixes additions May 1998
 * by Roman Hodek <Roman.Hodek@informatik.uni-erlangen.de> */
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1.2233 python-adal 0.5.0

1.2234 bc 1.06

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<html xmlns="http://www.w3.org/1999/xhtml">
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<title>SLF4J License</title>
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</head>
<body>
<script type="text/javascript">prefix='';</script>
<script src="templates/header.js" type="text/javascript"></script>
<div id="left">
<script src="templates/left.js" type="text/javascript"></script>
</div>
<div id="right">
<script src="templates/right.js" type="text/javascript"></script>
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1.2265 bzip2 1.0.6 8ubuntu0.2

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Is the tracer confidential */
private static boolean confidential = false; value =

SecurityActions.getSystemProperty("ironjacamar.tracer.confidential"); confidential = Boolean.valueOf(value); //
Assume confidential confidential = true; return recordCallstacks && !confidential; * Is confidential public static boolean isConfidential() return confidential;

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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1.2286 neo4j-lucene-upgrade 3.5.14

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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analysis/common/src/java/org/apache/lucene/analysis/it/ItalianMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pl/PolishLightStemmer.java
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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPLv2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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**OW2**

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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**Apache**

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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**MortBay**

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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**Mortbay**

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas
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1.2347 procps 3.3.10-4ubuntu2.4

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1.2354 exec-maven-plugin 1.3.2

1.2355 parted 3.2
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c End:

1.2356 tar 1.31

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/* Handle large integers for calculating big tape lengths and the like.  In practice, double precision does for now.  On the vast majority of machines, it counts up to 2**52 bytes without any loss of information, and counts up to 2**62 bytes if data are always blocked in 1 kB boundaries.  We'll need arbitrary precision arithmetic anyway once we get into the 2**64 range, so there's no point doing anything fancy before then. */
#define TARLONG_FORMAT "%.0f"
typedef double tarlong;

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```
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1.2367 wildfly-io 11.1.1.Final
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1.2369 nimbus-jose-jwt 4.41.2

1.2370 velocity-engine-core 2.1
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1.2371 python-daemonize 2.4.7
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</div>
</header>

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<div class="row">
<div class="col-md-9 col-sm-8 col-xs-12">
<img src="/img/asf_logo.png" alt="Apache Logo" style="max-width: 100%;"/>
<a href="http://apache.org/foundation/contributing.html" title="Support Apache" style="margin-left: 150px;">
<img src="/images/SupportApache-small.png" style="height: 150px; width: 150px;"/>
</a>
</div>
<div class="col-md-3 col-sm-4 col-xs-12">
<div class="input-group" style="margin-bottom: 5px;">
<script>
(function() {
var cx = '005703438322411770421:5mgshgrgx2u';
var gcse = document.createElement('script');
gcse.type = 'text/javascript';
gcse.async = true;
gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') + '://cse.google.com/cse.js?cx=' + cx;
var s = document.getElementsByTagName('script')[0];
s.parentNode.insertBefore(gcse, s);
})();
</script>
</div>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="https://community.apache.org/contributors/">Contribute</a>
<a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
</div>
</div>
</div>

/* The following code is added by mdx_elementid.py
It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/

.headerlink, .elementid-permalink {
  visibility: hidden;
}

h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >
.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink {
  visibility: visible
}</style>

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*
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*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#define COMPAT_POLL_H_
#ifndef COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLRHUP0x0010
#define POLLNVAL0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNORMPOLLRD NORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*((int*)&w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) ((int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1))
#define WTERMSIG(w) ((int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1))
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>
* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

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xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&amp;#10;'))"/>
  <xsl:text>&amp;#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&amp;#10;')"/>
  <xsl:if test="translate($rest, '&amp;#9;&amp;#32;:', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>
</xsl:stylesheet>
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1.2383 maven-shade-plugin 3.1.0 3

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* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-jar/org/wildfly/security/x500/cert/CertUtil.java

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jar/org/wildfly/security/x500/cert/FreshestCRLExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/SubjectAlternativeNamesExtension java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/PolicyConstraintsExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/SubjectDirectoryAttributesExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/PolicyMappingsExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/NameConstraintsExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/InhibitAnyPolicyExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/IssuerAlternativeNamesExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/CRLDistributionPoint.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
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*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/AuthorityKeyIdentifierExtension.java
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jar/org/wildfly/security/x500/cert/KeyUsageExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
jar/org/wildfly/security/x500/cert/SubjectKeyIdentifierExtension.java
*/
* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
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* /opt/ws_local/PERMITS_SQL/1094807971_1601321864.47/0/wildfly-elytron-x500-cert-1-11-4-final-sources-
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The initial code for shuffling an array (originally in class
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URL: https://github.com/firebase/firebase-js-sdk/tree/master/packages/polyfill
VendorName: Firebase
VendorUrl: https://firebase.google.com/

@firebase/storage-types@0.1.3
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VendorUrl: https://firebase.google.com/

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URL: https://github.com/firebase/firebase-js-sdk/tree/master/packages/storage
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VendorUrl: https://firebase.google.com/

@firebase/util@0.1.11
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VendorUrl: https://firebase.google.com/

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VendorUrl: https://firebase.google.com/

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URL: https://github.com/dcodeIO/ascli.git
VendorName: Daniel Wirtz
VendorUrl: http://www.futurealoof.com

aws-sign2@0.7.0
URL: https://github.com/mikeal/aws-sign
VendorName: Mikeal Rogers
VendorUrl: http://www.futurealoof.com

bytebuffer@5.0.1
URL: https://github.com/dcodeIO/bytebuffer.js.git
VendorName: Daniel Wirtz

caseless@0.12.0
URL: https://github.com/mikeal/caseless
VendorName: Mikeal Rogers
detect-libc@1.0.3
URL: git://github.com/lovell/detect-libc
VendorName: Lovell Fuller
disposable@1.0.2
URL: https://github.com/gaearon/disposables.git
VendorName: Cloud Programmability Team
VendorUrl: https://github.com/gaearon/disposables

firebase@4.13.1
URL: https://github.com/firebase/firebase-js-sdk.git
VendorName: Firebase
VendorUrl: https://firebase.google.com/

forever-agent@0.6.1
URL: https://github.com/mikeal/forever-agent
VendorName: Mikeal Rogers
VendorUrl: http://www.futurealoof.com
grpc@1.10.1
URL: https://github.com/grpc/grpc-node.git
VendorName: Google Inc.
VendorUrl: https://grpc.io/

long@3.2.0
URL: https://github.com/dcodeIO/long.js.git
VendorName: Daniel Wirtz

neo4j-driver@1.6.1
URL: git://github.com/neo4j/neo4j-javascript-driver.git
VendorName: Neo4j

oauth-sign@0.8.2
URL: https://github.com/mikeal/oauth-sign
VendorName: Mikeal Rogers
VendorUrl: http://www.futurealoof.com

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VendorName: Daniel Wirtz
VendorUrl: https://github.com/dcodeIO/protobuf.js

request@2.83.0
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VendorName: Mikeal Rogers

rxjs@5.5.11
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VendorName: Ben Lesh
VendorUrl: https://github.com/ReactiveX/RxJS

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VendorName: Microsoft Corp.
VendorUrl: http://typescriptlang.org/
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VendorName: Mikeal Rogers
  VendorUrl: http://www.futurealoof.com

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  URL: https://github.com/ForbesLindesay/tar-pack.git
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  URL: http://github.com/garycourt/uri-js
VendorName: Gary Court
  VendorUrl: https://github.com/garycourt/uri-js

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boom@4.3.1
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boom@5.2.0
  URL: git://github.com/hapijs/boom
cryptiles@3.1.2
  URL: git://github.com/hapijs/cryptiles
dnd-core@2.6.0
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hawk@6.0.2
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  VendorUrl: http://hueniverse.com
hoek@4.2.1
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VendorName: Feross Aboukhadieh
  VendorUrl: http://feross.org
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  VendorUrl: http://hueniverse.com
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  VendorName: Jeremy Stashewsky
  VendorUrl: https://github.com/salesforce/tough-cookie

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  VendorName: Kris Zyp

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  VendorName: Neo Technology Inc.
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  VendorName: Neo Technology Inc.

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console-control-strings@1.1.0
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gauge@2.7.4
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inflight@1.0.6
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json-stringify-safe@5.0.1
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signal-exit@3.0.2
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VendorUrl: https://github.com/yargs/y18n
MIT
ajv@5.5.2
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VendorName: Evgeny Poberezkin
VendorUrl: https://github.com/epoberezkin/ajv
ansi-regex@2.1.1
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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com
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VendorUrl: sindresorhus.com
asap@2.0.6
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ascii-data-table@2.1.1
URL: https://github.com/oskarhane/ascii-data-table.git
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asn1@0.2.3
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assert-plus@1.0.0
URL: https://github.com/mcavage/node-assert-plus.git
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assertion-error@1.1.0
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VendorUrl: http://qualiancy.com
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VendorName: Andrey Okonetchnikov @okonetchnikov
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aws4@1.7.0
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buffer@5.1.0
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check-error@1.0.2
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colour@0.7.1
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core-js@1.2.7
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css-to-react-native@2.2.0
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dashdash@1.14.1
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VendorName: Trent Mick
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debug@2.6.9
URL: git://github.com/visionmedia/debug.git
VendorName: TJ Holowaychuk
decamelize@1.2.0
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deep-eql@3.0.1
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VendorName: Viacheslav Lotsmanov
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extend@3.0.1
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fbjs@0.8.17
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file-saver@1.3.8
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getpass@0.1.7
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VendorUrl: sindresorhus.com
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VendorUrl: sindresorhus.com
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VendorName: Jon Schlinkert
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VendorUrl: sindresorhus.com
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VendorName: Hugh Kennedy
VendorUrl: https://github.com/hughsk/is-typedarray
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VendorUrl: https://github.com/juliangruber/isarray
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VendorName: Jon Schlinkert
VendorUrl: https://github.com/jonschlinkert/isobject
isomorphic-fetch@2.2.1
URL: https://github.com/matthew-andrews/isomorphic-fetch.git
VendorName: Matt Andrews
VendorUrl: https://github.com/matthew-andrews/isomorphic-fetch/issues
issstream@0.1.2
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<td>sindresorhus.com</td>
</tr>
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<td><a href="https://github.com/sindresorhus/path-is-absolute.git">https://github.com/sindresorhus/path-is-absolute.git</a></td>
<td>Sindre Sorhus</td>
<td>sindresorhus.com</td>
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<td>pathval</td>
<td>git+ssh://git@github.com/chaijs/pathval.git</td>
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VendorUrl: https://github.com/chaijs/pathval
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URL: git://github.com/braveg1rl/performance-now.git
VendorName: Braveg1rl
VendorUrl: https://github.com/braveg1rl/performance-now
postcss-value-parser@3.3.0
URL: https://github.com/TrySound/postcss-value-parser.git
VendorName: Bogdan Chadkin
VendorUrl: https://github.com/TrySound/postcss-value-parser
process-nextick-args@2.0.0
URL: https://github.com/calvinmetcalf/process-nextick-args.git
VendorUrl: https://github.com/calvinmetcalf/process-nextick-args
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VendorName: Taylor Hakes
VendorUrl: https://github.com/taylorhakes/promise-polyfill
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URL: https://github.com/then/promise.git
VendorName: ForbesLindesay
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VendorUrl: https://facebook.github.io/react/
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URL: https://github.com/bestiejs/punycode.js.git
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VendorUrl: https://mths.be/punycode
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VendorUrl: https://mths.be/punycode
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URL: https://github.com/unshiftio/querystringify
VendorName: Arnout Kazemier
VendorUrl: https://github.com/unshiftio/querystringify
react-addons-pure-render-mixin@15.6.2
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URL: https://github.com/react-dropzone/react-dropzone.git
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VendorUrl: https://github.com/react-dropzone/react-dropzone
react-icon-base@2.1.0
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VendorUrl: https://github.com/gorangajic/react-icon-base#readme
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VendorUrl: https://github.com/gorangajic/react-icons#readme
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URL: https://github.com/facebook/react.git
VendorUrl: https://reactjs.org/
react-redux@5.0.7
URL: https://github.com/reactjs/react-redux.git
VendorName: Dan Abramov
VendorUrl: https://github.com/gaearon/react-redux
react-suber@1.0.4
URL: https://github.com/oskarhane/react-suber.git
VendorName: Oskar Hane
VendorUrl: http://oskarhane.com/
react-timeago@3.4.3
URL: https://github.com/naman34/react-timeago.git
VendorName: Naman Goel
VendorUrl: https://github.com/nmn/react-timeago
react@16.4.1
URL: https://github.com/facebook/react.git
VendorUrl: https://reactjs.org/
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VendorUrl: https://github.com/redux-observable/redux-observable#README.md
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URL: https://github.com/reactjs/redux.git
VendorUrl: http://redux.js.org/
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URL: https://github.com/facebook/regenerator/tree/master/packages/regenerator-runtime
VendorName: Ben Newman
requires-port@1.0.0
URL: https://github.com/unshiftio/requires-port
VendorName: Arnout Kazemier
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URL: git://github.com/feross/safe-buffer.git
VendorName: Feross Aboukhadijeh
VendorUrl: https://github.com/feross/safe-buffer
safer-buffer@2.1.2
URL: git+https://github.com/ChALkeR/safer-buffer.git
VendorName: Nikita Skovoroda
VendorUrl: https://github.com/ChALkeR
save-as@0.1.8
URL: git+https://github.com/cchamberlain/save-as.git
VendorName: Cole Chamberlain
setImmediate@1.0.5
URL: https://github.com/YuzuJS/setImmediate.git
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URL: git+https://github.com/arekinath/node-sshpk.git
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VendorUrl: https://github.com/arekinath/node-sshpk#readme

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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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URL: https://github.com/mhart/StringStream.git
VendorName: Michael Hart
VendorUrl: http://github.com/mhart

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URL: https://github.com/chalk/strip-ansi.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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URL: https://github.com/sindresorhus/strip-json-comments.git
VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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URL: git+https://github.com/styled-components/styled-components.git
VendorName: Glen Maddern
VendorUrl: https://styled-components.com/

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URL: https://github.com/thysultan/stylis.js
VendorName: Sultan Tarimo
VendorUrl: https://github.com/thysultan/stylis.js

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>>> freebsd-1.72
>>> freebsd-base64-4.8
>>> icu4c-4.4.1
>>> unicode-5.0

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>>> libmspack-0.0.20040308alpha

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>>> freebsd-base64-4.8

base64.c -- routines to encode/decode base64 data
SOpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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>>> icu4c-4.4.1
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#
0   leshort  0x0436  psf screen font data
>2   byte   0   256 characters, no index
>2   byte   1   512 characters, no index
>2byte2256 characters, Unicode index
>2byte3512 characters, Unicode index
>2byte4256 characters, Unicode level 2 index
>2byte5512 characters, Unicode level 2 index
>3byte8x%d

#
# PC Screen (console) Fonts - psf2 header

#
0   lelong0x864ab572psf2 screen font data
>12lelong&1 with Unicode index
>16lelongxb, %d glyphs
>28lelongxb, %dx
>24lelongxb%d

1.2403 log4j-slf4j-impl 2.7

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Ty Coon, President of Vice

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.
The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner
of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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Gocheck - A rich testing framework for Go

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Gocheck - A rich testing framework for Go

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Go support for Protocol Buffers - Google's data interchange format

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1.2440 dosfs-tools 4.1

1.2440.1 Available under license:

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  jar/javassist/CtConstructor.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
  jar/javassist/convert/TransformAfter.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
  jar/javassist/bytecode/DuplicateMemberException.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
  jar/javassist/convert/TransformCall.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
  jar/javassist/tools/reflect/Reflection.java
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  jar/javassist/convert/Transformer.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/InstructionPrinter.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/DoubleConst.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/SerializedProxy.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/StackMap.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ASTree.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/AssignExpr.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/ctNewWrappedConstructor.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ArrayInit.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ConstantAttribute.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/ClassPoolTail.java

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/StackMap.java
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