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1.4 libtool 2.4.6

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1.6 kmod 26

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1.8 libusb 1.0.22

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1.9 popt 1.16

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1.10 xz 5.2.4

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1.11 dhcp 4.4.2

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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
 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.

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* 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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<!-- $Id$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
 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:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
       <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
   </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

<!--
 - Local variables:
 - mode: sgml
 - End:
-->
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Regardless of what server hosts the Corresponding Source, you remain
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@item
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1.16 lxc 3.2.1

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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 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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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could

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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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1.21 jansson 2.13.1

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1.22 libroxml 2.3.0

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1.24 i2c-tools 4.1

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1.25 json-c 0.15

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1.26 libdnet 1.12

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1.27 libseccomp 2.4.3

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1.32 screen 4.8.0

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1.33 protobuf 3.13.0.1

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  * Solaris 10 + Sun Studio fixes.
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  * Slicing support for repeated scalar fields for the Python API.
Oleg Smolsky <oleg.smolsky@gmail.com>
  * MS Visual Studio error format option.
  * Detect unordered_map in stl_hash.m4.
Brian Olson <brianolson@google.com>
  * gzip/zlib I/O support.
Michael Poole <mdpoole@troilus.org>
  * Fixed warnings about generated constructors not explicitly initializing
    all fields (only present with certain compiler settings).
  * Added generation of field number constants.
Wink Saville <wink@google.com>
  * Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
  * Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
  * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
  * HPUX support.
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>
  * Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>
  * Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.
  * Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
  * Fixed minor IBM xlC compiler build issues
  * Added atomicops for AIX (POWER)

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of the input file used when generating it. This code is not
standalone and requires a support library to be linked with it. This
support library is itself covered by the above license.

1.34 bird 2.0.7

1.34.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Configuration
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- MD5 Hash Function and HMAC-MD5 Function
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Adapted for BIRD by Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/md5.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Kernel Route Syncer
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/krt.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Flow specification (RFC 5575)
*
* (c) 2016 CZ.NIC z.s.p.o.
```

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/flowspec.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/flowspec.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Parse numbers
*
* (c) 2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/strtoul.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Client
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/client.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- String Functions
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/string.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Safe Linked Lists
*

```
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/slists.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/slists.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Socket Interface
*
* (c) 1998--2004 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/socket.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Protocols
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/proto.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Filters
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2018--2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/filter.h
No license file was found, but licenses were detected in source scan.

```
/*
```

* BIRD -- Bidirectional Forwarding Detection (BFD)
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bfd/bfd.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bfd/bfd.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/bfd.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bfd/packets.c
No license file was found, but licenses were detected in source scan.

/*
* Filters: Instructions themselves
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
* Copyright 2018 Maria Matejka <mq@jmq.cz>
* Copyright 2018 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* The filter code goes through several phases:
*
* 1 Parsing
* Flex- and Bison-generated parser decodes the human-readable data into
* a struct f_inst tree. This is an infix tree that was interpreted by
* depth-first search execution in previous versions of the interpreter.
* All instructions have their constructor: f_new_inst(FI_EXAMPLE, ...)
* translates into f_new_inst_FI_EXAMPLE(...) and the types are checked in
* compile time. If the result of the instruction is always the same,
* it's reduced to FI_CONSTANT directly in constructor. This phase also
* counts how many instructions are underlying in means of f_line_item
* fields to know how much we have to allocate
 in the next phase.
*
* 2 Linearize before interpreting
* The infix tree is always interpreted in the same order. Therefore we
* sort the instructions one after another into struct f_line. Results
* and arguments of these instructions are implicitly put on a value
* stack; e.g. the + operation just takes two arguments from the value
* stack and puts the result on there.
*
* 3 Interpret
* The given line is put on a custom execution stack. If needed (FI_CALL,
* FI_SWITCH, FI_AND, FI_OR, FI_CONDITION, ...), another line is put on top
* of the stack; when that line finishes, the execution continues on the
* older lines on the stack where it stopped before.
*

```
* 4  Same
* On config reload, the filters have to be compared whether channel
* reload is needed or not. The comparison is done by comparing the
* struct f_line's recursively.
*
* The main purpose of this rework was to improve filter performance
* by making the interpreter non-recursive.
*
* The other outcome is
 concentration of instruction definitions to
* one place -- right here. You shall define your instruction only here
* and nowhere else.
*
* Beware. This file is interpreted by M4 macros. These macros
* may be more stupid than you could imagine. If something strange
* happens after changing this file, compare the results before and
* after your change (see the Makefile to find out where the results are)
* and see what really happened.
*
* This file is not directly a C source code -> it is a generator input
* for several C sources; every instruction block gets expanded into many
* different places.
*
* All the arguments are processed literally; if you need an argument including comma,
* you have to quote it by [[ ... ]]
*
* What is the syntax here?
* m4_dnl INST(FI_NOP, in, out) {    enum value, input args, output args
* m4_dnl   ARG(num, type);   argument, its id (in data fields) and type accessible by v1, v2, v3
* m4_dnl   ARG_ANY(num);    argument with no type check
 accessible by v1, v2, v3
* m4_dnl   VARARG;    variable-length argument list; accessible by vv(i) and whati->varcount
* m4_dnl   LINE(num, unused);   this argument has to be converted to its own f_line
* m4_dnl   SYMBOL;    symbol handed from config
* m4_dnl   STATIC_ATTR;    static attribute definition
* m4_dnl   DYNAMIC_ATTR;    dynamic attribute definition
* m4_dnl   RTC;     route table config
* m4_dnl   ACCESS_RTE;    this instruction needs route
* m4_dnl   ACCESS_EATTRS;   this instruction needs extended attributes
*
* m4_dnl   FID_MEMBER(    custom instruction member
* m4_dnl     C type,    for storage in structs
* m4_dnl     name,    how the member is named
* m4_dnl     comparator for same(),  if different, this should be TRUE (CAVEAT)
* m4_dnl     dump format string   debug -> format string for bvsnprintf
* m4_dnl     dump format args   appropriate args
* m4_dnl   )
*
```

```
* m4_dnl   RESULT(type, union-field, value); putting this on value stack
* m4_dnl   RESULT_VAL(value-struct);  pass
 the struct f_val directly
* m4_dnl   RESULT_VOID;    return undef
* m4_dnl }
*
* Also note that the { ... } blocks are not respected by M4 at all.
* If you get weird unmatched-brace-pair errors, check what it generated and why.
* What is really considered as one instruction is not the { ... } block
* after m4_dnl INST() but all the code between them.
*
* Other code is just copied into the interpreter part.
*
* If you are satisfied with this, you don't need to read the following
* detailed description of what is really done with the instruction definitions.
*
* m4_dnl Now let's look under the cover. The code between each INST()
* m4_dnl is copied to several places, namely these (numbered by the M4 diversions
* m4_dnl used in filter/decl.m4):
*
* m4_dnl (102) struct f_inst *f_new_inst(FI_EXAMPLE [[ put it here ]])
* m4_dnl  {
* m4_dnl    ... (common code)
* m4_dnl (103)   [[ put it here ]]
* m4_dnl    ...
* m4_dnl    if (all arguments are
 constant)
* m4_dnl (108)     [[ put it here ]]
* m4_dnl  }
* m4_dnl For writing directly to constructor argument list, use FID_NEW_ARGS.
* m4_dnl For computing something in constructor (103), use FID_NEW_BODY.
* m4_dnl For constant pre-interpretation (108), see below at FID_INTERPRET_BODY.
*
* m4_dnl  struct f_inst {
* m4_dnl    ... (common fields)
* m4_dnl    union {
* m4_dnl      struct {
* m4_dnl (101)       [[ put it here ]]
* m4_dnl      } i_FI_EXAMPLE;
* m4_dnl      ...
* m4_dnl    };
* m4_dnl  };
* m4_dnl This structure is returned from constructor.
* m4_dnl For writing directly to this structure, use FID_STRUCT_IN.
*
* m4_dnl  linearize(struct f_line *dest, const struct f_inst *what, uint pos) {
* m4_dnl    ...
* m4_dnl      switch (what->fi_code) {
```

* m4_dnl   case FI_EXAMPLE:
* m4_dnl (105) [[put it here]]
* m4_dnl   break;
* m4_dnl   }
* m4_dnl }
* m4_dnl This is called when translating from struct f_inst to struct f_line_item.
* m4_dnl For
 accessing your custom instruction data, use following macros:
* m4_dnl   whati -> for accessing (struct f_inst).i_FI_EXAMPLE
* m4_dnl   item -> for accessing (struct f_line)[pos].i_FI_EXAMPLE
* m4_dnl For writing directly here, use FID_LINEARIZE_BODY.
*
* m4_dnl (107) struct f_line_item {
* m4_dnl   ... (common fields)
* m4_dnl   union {
* m4_dnl   struct {
* m4_dnl (101)   [[put it here]]
* m4_dnl   } i_FI_EXAMPLE;
* m4_dnl   ...
* m4_dnl   };
* m4_dnl };
* m4_dnl The same as FID_STRUCT_IN (101) but for the other structure.
* m4_dnl This structure is returned from the linearizer (105).
* m4_dnl For writing directly to this structure, use FID_LINE_IN.
*
* m4_dnl f_dump_line_item_FI_EXAMPLE(const struct f_line_item *item, const int indent)
* m4_dnl {
* m4_dnl (104)   [[put it here]]
* m4_dnl }
* m4_dnl This code dumps the instruction on debug. Note that the argument
* m4_dnl is the linearized instruction; if the instruction has arguments,
 * m4_dnl their code has already been linearized and their value is taken
* m4_dnl from the value stack.
* m4_dnl For writing directly here, use FID_DUMP_BODY.
*
* m4_dnl f_same(...)
* m4_dnl {
* m4_dnl   switch (f1_->fi_code) {
* m4_dnl   case FI_EXAMPLE:
* m4_dnl (106)   [[put it here]]
* m4_dnl   break;
* m4_dnl   }
* m4_dnl }
* m4_dnl This code compares the two given instrucions (f1_ and f2_)
* m4_dnl on reconfigure. For accessing your custom instruction data,
* m4_dnl use macros f1 and f2.
* m4_dnl For writing directly here, use FID_SAME_BODY.
*

```
* m4_dnl  interpret(...)
* m4_dnl  {
* m4_dnl    switch (what->fi_code) {
* m4_dnl      case FI_EXAMPLE:
* m4_dnl (108)       [[ put it here ]]
* m4_dnl        break;
* m4_dnl    }
* m4_dnl  }
* m4_dnl This code executes the instruction. Every pre-defined macro
* m4_dnl resets the output here. For setting it explicitly,
* m4_dnl use FID_INTERPRET_BODY.
* m4_dnl This code is put on two
 places; one is the interpreter, the other
* m4_dnl is instruction constructor. If you need to distinguish between
* m4_dnl these two, use FID_INTERPRET_EXEC or FID_INTERPRET_NEW respectively.
* m4_dnl To address the difference between interpreter and constructor
* m4_dnl environments, there are several convenience macros defined:
* m4_dnl   runtime() -> for spitting out runtime error like division by zero
* m4_dnl   RESULT(...) -> declare result; may overwrite arguments
* m4_dnl   v1, v2, v3 -> positional arguments, may be overwritten by RESULT()
* m4_dnl   falloc(size) -> allocate memory from the appropriate linpool
* m4_dnl   fpool  -> the current linpool
* m4_dnl   NEVER_CONSTANT-> don't generate pre-interpretation code at all
* m4_dnl   ACCESS_RTE -> check that route is available, also NEVER_CONSTANT
* m4_dnl   ACCESS_EATTRS -> pre-cache the eattrs; use only with ACCESS_RTE
* m4_dnl   f_rta_cow(fs) -> function to call before any change to route should be done
*
* m4_dnl If
 you are stymied, see FI_CALL or FI_CONSTANT or just search for
* m4_dnl the mentioned macros in this file to see what is happening there in wild.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/f-inst.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- IP address functions
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/ip.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Route Attribute Cache
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/rt-attr.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF
*
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/lsalib.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Network addresses
*
* (c) 2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/net.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- I/O and event loop
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bfd/io.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bfd/io.c

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Benchmarking Dummy Protocol
*
* (c) 2018 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/perf/perf.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client - Light variant I/O
*
* (c) 1999--2004 Martin Mares <mj@ucw.cz>
*      (c) 2013 Tomas Hlavacek <tomas.hlavacek@nic.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/birdcl.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Core Configuration
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*      (c) 2004       Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Resource Public Key Infrastructure (RPKI) to Router Protocol
*
* (c) 2015 CZ.NIC
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/config.Y
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* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/doc/kernel-doc
No license file was found, but licenses were detected in source scan.

/*
* BIRD Resource Manager
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/resource.c
No license file was found, but licenses were detected in source scan.

/*
* Filters: Trie for prefix sets
*
* Copyright 2009 Ondrej Zajicek <santiago@crfreenet.org>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/trie.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Set/Community-list Operations
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2000 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/a-set.c
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: utility functions
*
* (c) 1998 Pavel Machek <pavel@ucw.cz>
* (c) 2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/data.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Fletcher-16 Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/fletcher16_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Route Display Routines
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
* (c) 2017       Jan Moskyto Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/rt-show.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Routing Information Protocol (RIP)
*
* (c) 1998--1999 Pavel Machek <pavel@ucw.cz>
* (c) 2004--2013 Ondrej Filip <feela@network.cz>
* (c) 2009--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rip/packets.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rip/rip.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rip/rip.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Forwarding Information Base -- Data Structures
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/rt-fib.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Universal Heap Macros Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/heap_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Buffer Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/buffer_test.c
No license file was found, but licenses were detected in source scan.

m4_divert(-1)m4_dnl
#
BIRD -- Generator of CLI Command List
#

```
# (c) 2000 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

m4_define(CF_CLI, `m4_divert(0){ "m4_translit($1,A-Z,a-z)", "$3", "$4", 1 },
m4_divert(-1)')

m4_define(CF_CLI_CMD, `m4_divert(0){ "m4_translit($1,A-Z,a-z)", "$2", "$3", 1 },
m4_divert(-1)')

m4_define(CF_CLI_HELP, `m4_divert(0){ "m4_translit($1,A-Z,a-z)", "$2", "$3", 0 },
m4_divert(-1)')

# As we are processing C source, we must access all M4 primitives via
# m4_* and also set different quoting convention: `[[' and ']]'
m4_changequote([[,]])
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/gen_commands.m4
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- SHA and HMAC-SHA functions tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/mac_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF Configuration
*
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Generic Hash Table
```

*
* (c) 2013 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/hash.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- The Babel protocol
*
* Copyright (c) 2015--2016 Toke Hoiland-Jorgensen
* (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* This file contains the data structures used by Babel.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/babel/babel.h
No license file was found, but licenses were detected in source scan.

% Copyright (c)1992-97 Corel Corporation
% All rights reserved. v8.0 r0.7

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/doc/slides/logo.eps
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- UNIX Kernel Syncer Configuration
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/krt.Y
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- OSPF

```
*
* (c) 2000--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/lsupd.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/rt.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/lsreq.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/lsack.c
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: Utility Functions Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/trie_test.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/tree_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- malloc() With Checking
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/xmalloc.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Resource Manager
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/resource.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- An implementation of the TCP protocol for the RPKI protocol transport
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* This file was a part of RTRlib: http://rpki.realmv6.org/
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/tcp_transport.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Benchmarking Dummy Protocol Configuration
*
* (c) 2018 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/perf/config.Y
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Safe Linked Lists Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/slist_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Client
*
* (c) 1999--2004 Martin Mares <mj@ucw.cz>
* (c) 2013 Tomas Hlavacek <tmshlvck@gmail.com>

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/client.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- The Border Gateway Protocol
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bgp/bgp.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bgp/bgp.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Path Operations
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2000 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/a-path.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Test -- Utils for testing parsing configuration file
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/test/bt-utils.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/test/bt-utils.h

No license file was found, but licenses were detected in source scan.

```
/*
* Filters: utility functions
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/filter.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Kernel Synchronization
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/krt.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Path Operations Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/a-path_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF Topological Database
*
* (c) 1999       Martin Mares <mj@ucw.cz>
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

```
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/topology.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Endianity Conversion
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/endian.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Direct Device Routes
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/rt-dev.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Resource Public Key Infrastructure (RPKI) to Router Protocol
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* This file was a part of RTRlib: http://rpki.realmv6.org/
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/packets.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/transport.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/packets.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/transport.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Generic Buffer Structure
*
* (c) 2013 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/buffer.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- SHA-1 Hash Function (FIPS 180-1, RFC 3174)
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Based on the code from libucw-6.4
* (c) 2008--2009 Martin Mares <mj@ucw.cz>
*
* Based on the code from libgcrypt-1.2.3, which is
* (c) 1998, 2001, 2002, 2003 Free Software Foundation, Inc.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/sha1.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/sha1.h
No license file was found, but licenses were detected in source scan.

distributed under the terms of the GNU General Public License.

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/doc/bird.sgml
No license file was found, but licenses were detected in source scan.

```
/*
*	BIRD -- OSPF
*
*	(c) 2000--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
*	Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/rt.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- CLI Commands Which Don't Fit Anywhere Else
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/cmds.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/cmds.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Border Gateway Protocol Configuration
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bgp/config.Y
No license file was found, but licenses were detected in source scan.

/*
* Configuration for Linux based systems
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/cf/linux.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Random Numbers
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/random.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Resource Manager -- A SLAB-like Memory Allocator
*
* Heavily inspired by the original SLAB paper by Jeff Bonwick.
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/slab.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- IP One-Complement Checksum
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/checksum.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF
*
* (c) 1999--2005 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/ospf.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/packet.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/iface.c
No license file was found, but licenses were detected in source scan.

```
/*
```

```
* BIRD Library -- SHA-256 and SHA-224 Hash Functions
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Based on the code from libgcrypt-1.6.0, which is
* (c) 2003, 2006, 2008, 2009 Free Software Foundation, Inc.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/sha256.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/sha256.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Event Processing
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/event.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/event.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Fletcher-16 checksum
*
* (c) 2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/fletcher16.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Unit Test Framework (BIRD Test)
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/test/birdtest.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/test/birdtest.h
No license file was found, but licenses were detected in source scan.

```
/*
* Unaligned Data Accesses -- Generic Version, Network Order
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/unaligned.h
No license file was found, but licenses were detected in source scan.

```
/*
* Configuration for *BSD based systems (tested on FreeBSD and NetBSD)
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/cf/bsd.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Generic Bit Operations Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/bitops_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Filter instructions
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2018--2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
```

```
* Filter interpreter data structures and internal API.
* See filter/f-inst.c for documentation.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/f-inst.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Babel protocol
*
* Copyright (c) 2015--2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* This file contains the packet and TLV handling code for the protocol.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/babel/packets.c
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: utility functions
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/tree.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BSD Kernel Syncer Configuration
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

CF_HDR

CF_DECLS
```

```
CF_KEYWORDS(KERNEL, TABLE)

CF_GRAMMAR

kern_proto: kern_proto kern_sys_item ';' ;

kern_sys_item:
  KERNEL TABLE expr {
 if ($3 && (krt_max_tables == 1))
   cf_error("Multiple kernel routing tables not supported");
 if ($3 >= krt_max_tables)
   cf_error("Kernel table id must be in range 0-%u", krt_max_tables - 1);

 THIS_KRT->sys.table_id = $3;
  }
;

CF_CODE

CF_END
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/bsd/krt-sock.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Configuration Parser Top
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/confbase.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- BSD Multicasting and Network Includes
*
* (c) 2004       Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/bsd/sysio.h

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Direct Device Routes
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/rt-dev.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Logging Functions
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/log.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Linked Lists Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/lists_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Network Interfaces
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/iface.h

No license file was found, but licenses were detected in source scan.

/*
* BIRD -- RAdv Packet Processing
*
* (c) 2011--2019 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2011--2019 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/radv/packets.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- IP address functions Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/ip_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Pattern Matching Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/patmatch_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Basic Declarations
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):

* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/bird.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client -- Utility Functions
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/util.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Flow specification (RFC 5575) grammar
*
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/flowspec.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client - Readline variant I/O
*
* (c) 1999--2004 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/birdc.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Flow specification (RFC 5575) Tests
*
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/flowspec_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- The Internet Protocol
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/ip.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Generic Bit Operations
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/bitops.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/bitops.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Message Authentication Codes
*
* (c) 2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/mac.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/mac.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Management of Interfaces and Neighbor Cache
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

```
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/iface.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Router Advertisement
*
* (c) 2011--2019 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2011--2019 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/radv/radv.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/radv/radv.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BSD Routing Table Syncing
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/bsd/krt-sock.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Attribute Operations
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/attrs.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BGP Packet Processing
*
* (c) 2000 Martin Mares <mj@ucw.cz>
```

* (c) 2008--2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bgp/packets.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Alloca.h
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/alloca.h
No license file was found, but licenses were detected in source scan.

BIRD Internet Routing Daemon

Home page http://bird.network.cz/
Mailing list bird-users@network.cz

(c) 1998--2008 Martin Mares <mj@ucw.cz>
(c) 1998--2000 Pavel Machek <pavel@ucw.cz>
(c) 1998--2008 Ondrej Filip <feela@network.cz>
(c) 2009--2019 CZ.NIC z.s.p.o.

==========

The BIRD project aims to develop a dynamic IP routing daemon with full support
of all modern routing protocols, easy to use configuration interface and
powerful route filtering language, primarily targeted on (but not limited to)
Linux and other UNIX-like systems and distributed under the GNU General
Public License.

What do we support
==========

- Both IPv4 and IPv6
- Multiple routing tables
- Border Gateway Protocol (BGPv4)
- Routing Information Protocol

(RIPv2, RIPng)
- o Open Shortest Path First protocol (OSPFv2, OSPFv3)
- o Babel Routing Protocol (Babel)
- o Bidirectional Forwarding Detection (BFD)
- o IPv6 router advertisements
- o Static routes
- o Inter-table protocol
- o Command-line interface allowing on-line control and inspection of status of the daemon
- o Soft reconfiguration, no need to use complex online commands to change the configuration, just edit the configuration file and notify BIRD to re-read it and it will smoothly switch itself to the new configuration, not disturbing routing protocols unless they are affected by the configuration changes
- o Powerful language for route filtering, see doc/bird.conf.example
- o Linux, FreeBSD, NetBSD and OpenBSD ports

How to install BIRD
==========

- o From standard distribution package of your OS (recommended)
- o From official binary packages for Debian and Red Hat Linux
  ftp://bird.network.cz/pub/bird/debian/
  ftp://bird.network.cz/pub/bird/redhat/
- o
  From source code of the latest stable release version
  ftp://bird.network.cz/pub/bird/
- o From current development code in Git repository
  https://gitlab.labs.nic.cz/labs/bird/

See the file INSTALL for information about installation from source code.

Documentation
==========

Online documentation is available at http://bird.network.cz/?get_doc or as HTML files in the doc directory, you can install it by `make install-docs' and rebuild it by `make docs', but you'll need SGMLtools and LaTeX to be installed on your machine. You can also download a neatly formatted PDF version as a separate archive (bird-doc-*.tar.gz) from ftp://bird.network.cz/pub/bird/

User support
==========

If you want to help us debugging, enhancing and porting BIRD or just lurk around to see what's going to develop, feel free to subscribe to the BIRD users mailing list bird-users@network.cz, just send `subscribe' to bird-request@network.cz. Bug reports, suggestions, feature requests and

code
are welcome! We don't use gitlab issues for reporting, sorry.

Subscribe: http://bird.network.cz/mailman/listinfo/bird-users/
Archive: http://bird.network.cz/pipermail/bird-users/

Licence
=======

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along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

History
=======

BIRD development started as a student project at the Faculty of Math
and Physics, Charles University, Prague,
Czech Republic under supervision
of RNDr. Libor Forst <forst@cuni.cz>. BIRD has been developed and supported
by CZ.NIC z.s.p.o. http://www.nic.cz/ since 2009.

Good Luck and enjoy the BIRD :)
The BIRD Team

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/README
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Table-to-Table Protocol Configuration
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/pipe/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Token Bucket Filter
*
* (c) 2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/tbf.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- RIP Configuration
*
* (c) 1998--1999 Pavel Machek <pavel@ucw.cz>
* (c) 2004--2013 Ondrej Filip <feela@network.cz>
* (c) 2009--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rip/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Unix I/O
*
* (c) 1998--2004 Martin Mares <mj@ucw.cz>
*      (c) 2004       Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/io.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Hash Tests
*
```

* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/hash_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Static Route Generator
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/static/static.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/static/static.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Table-to-Table Routing Protocol a.k.a Pipe
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/pipe/pipe.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Protocols
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/protocol.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- BGP Attributes

```
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bgp/attrs.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Routing Tables
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/rt-table.c
No license file was found, but licenses were detected in source scan.

```
/*
* UCW Library -- Universal Heap Macros
*
* (c) 2001 Martin Mares <mj@ucw.cz>
* (c) 2005 Tomas Valla <tom@ucw.cz>
*
* This software may be freely distributed and used according to the terms
* of the GNU Lesser General Public License.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/heap.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Linux Netlink Configuration
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

CF_HDR
```

```
CF_DECLS

CF_KEYWORDS(KERNEL, TABLE, METRIC, KRT_PREFSRC, KRT_REALM, KRT_SCOPE, KRT_MTU,
KRT_WINDOW,
    KRT_RTT, KRT_RTTVAR, KRT_SSTRESH, KRT_CWND, KRT_ADVMSS, KRT_REORDERING,
    KRT_HOPLIMIT, KRT_INITCWND, KRT_RTO_MIN, KRT_INITRWND, KRT_QUICKACK,
    KRT_LOCK_MTU, KRT_LOCK_WINDOW, KRT_LOCK_RTT, KRT_LOCK_RTTVAR,
    KRT_LOCK_SSTRESH, KRT_LOCK_CWND, KRT_LOCK_ADVMSS, KRT_LOCK_REORDERING,
    KRT_LOCK_HOPLIMIT, KRT_LOCK_RTO_MIN, KRT_FEATURE_ECN, KRT_FEATURE_ALLFRAG)

CF_GRAMMAR

kern_proto: kern_proto kern_sys_item ';' ;

kern_sys_item:
  KERNEL TABLE expr { THIS_KRT->sys.table_id = $3; }
| METRIC expr { THIS_KRT->sys.metric = $2; }
;

dynamic_attr: KRT_PREFSRC { $$ = f_new_dynamic_attr(EAF_TYPE_IP_ADDRESS, T_IP,
EA_KRT_PREFSRC); } ;
dynamic_attr:
 KRT_REALM { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_REALM); } ;
dynamic_attr: KRT_SCOPE { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_SCOPE); } ;

dynamic_attr: KRT_MTU  { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_MTU); } ;
dynamic_attr: KRT_WINDOW { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_WINDOW); } ;
dynamic_attr: KRT_RTT  { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_RTT); } ;
dynamic_attr: KRT_RTTVAR { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_RTTVAR); } ;
dynamic_attr: KRT_SSTRESH { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_SSTRESH); } ;
dynamic_attr: KRT_CWND  { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_CWND); } ;
dynamic_attr: KRT_ADVMSS { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_ADVMSS); } ;
dynamic_attr: KRT_REORDERING { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT,
EA_KRT_REORDERING); } ;
dynamic_attr: KRT_HOPLIMIT { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_HOPLIMIT);
 } ;
dynamic_attr: KRT_INITCWND { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_INITCWND); }
;
dynamic_attr: KRT_RTO_MIN { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_RTO_MIN); } ;
dynamic_attr: KRT_INITRWND { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_INITRWND); }
;
dynamic_attr: KRT_QUICKACK { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_QUICKACK); }
;

/* Bits of EA_KRT_LOCK, based on RTAX_* constants */

dynamic_attr: KRT_LOCK_MTU { $$ = f_new_dynamic_attr_bit(2, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_WINDOW { $$ = f_new_dynamic_attr_bit(3, T_BOOL, EA_KRT_LOCK); } ;
```

```
dynamic_attr: KRT_LOCK_RTT { $$ = f_new_dynamic_attr_bit(4, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_RTTVAR { $$ = f_new_dynamic_attr_bit(5, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_SSTRESH { $$ = f_new_dynamic_attr_bit(6, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_CWND { $$ = f_new_dynamic_attr_bit(7, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_ADVMSS {
 $$ = f_new_dynamic_attr_bit(8, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_REORDERING { $$ = f_new_dynamic_attr_bit(9, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_HOPLIMIT { $$ = f_new_dynamic_attr_bit(10, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_RTO_MIN { $$ = f_new_dynamic_attr_bit(13, T_BOOL, EA_KRT_LOCK); } ;

dynamic_attr: KRT_FEATURE_ECN { $$ = f_new_dynamic_attr_bit(0, T_BOOL, EA_KRT_FEATURES); } ;
dynamic_attr: KRT_FEATURE_ALLFRAG { $$ = f_new_dynamic_attr(3, T_BOOL, EA_KRT_FEATURES); } ;


CF_CODE

CF_END
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/linux/netlink.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Resource Public Key Infrastructure (RPKI) to Router Protocol
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* Using RTRlib: http://rpki.realmv6.org/
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/rpki.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/rpki.c
No license file was found, but licenses were detected in source scan.

```
m4_divert(-1)m4_dnl
#
# BIRD -- Generator of Configuration Keyword List
#
# (c) 1998--2000 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

# Common aliases
```

```
m4_define(DNL, `m4_dnl')

# Diversions used:
# 1 keywords

# Simple iterator
m4_define(CF_itera, `m4_ifelse($#, 1, [[CF_iter($1)]], [[CF_iter($1)[[]]CF_itera(m4_shift($@))]])')
m4_define(CF_iterate, `m4_define([[CF_iter]], m4_defn([[$1]]))CF_itera($2)')

# We include all the headers
m4_define(CF_HDR, `m4_divert(0)')
m4_define(CF_DECLS, `m4_divert(-1)')
m4_define(CF_DEFINES, `m4_divert(-1)')

# Keywords are translated to C initializers
m4_define(CF_handle_kw, `m4_divert(1){ "m4_translit($1,[[A-Z]],[[a-z]])", $1, NULL },
m4_divert(-1)')
m4_define(CF_keywd, `m4_ifdef([[CF_tok_$1]],,[[m4_define([[CF_tok_$1]],1)CF_handle_kw($1)]])')
m4_define(CF_KEYWORDS, `m4_define([[CF_toks]],[[]])CF_iterate([[CF_keywd]],
 [[$@]])m4_ifelse(CF_toks,,,%token[[]]CF_toks
)DNL')

# CLI commands generate keywords as well
m4_define(CF_CLI, `CF_KEYWORDS(m4_translit($1, [[ ]], [[,]]))
')

# Enums are translated to C initializers: use CF_ENUM(typename, prefix, values)
m4_define(CF_enum, `m4_divert(1){ "CF_enum_prefix[[]]$1", -((CF_enum_type<<16) | CF_enum_prefix[[]]$1),
NULL },
m4_divert(-1)')
m4_define(CF_ENUM,
`m4_define([[CF_enum_type]],$1)m4_define([[CF_enum_prefix]],$2)CF_iterate([[CF_enum]],
[[m4_shift(m4_shift($@))]])DNL')

# After all configuration templates end, we generate the
m4_m4wrap(`
m4_divert(0)
static struct keyword keyword_list[] = {
m4_undivert(1){ NULL, -1, NULL } };
')

# As we are processing C source, we must access all M4 primitives via
# m4_* and also set different quoting convention: `[[' and ']]'
m4_changequote([[,]])
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/gen_keywords.m4

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Timers
*
* (c) 2013--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/timer.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/timer.h
No license file was found, but licenses were detected in source scan.

```
m4_divert(-1)m4_dnl
#
# BIRD -- Generator of Configuration Grammar
#
# (c) 1998--1999 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

# Diversions used:
# 1 includes
# 2 types etc.
# 3 rules
# 4 C code

# Common aliases
m4_define(DNL, `m4_dnl')

# Define macros for defining sections
m4_define(CF_ZONE, `m4_divert($1)/* $2 from m4___file__ */')
m4_define(CF_HDR, `CF_ZONE(1, Headers)')
m4_define(CF_DEFINES, `CF_ZONE(1, Defines)')
m4_define(CF_DECLS, `CF_ZONE(2, Declarations)')
m4_define(CF_GRAMMAR, `CF_ZONE(3, Grammar)')
m4_define(CF_CODE, `CF_ZONE(4, C Code)')
m4_define(CF_END, `m4_divert(-1)')

# Simple iterator
m4_define(CF_itera, `m4_ifelse($#, 1, [[CF_iter($1)]], [[CF_iter($1)[[]]CF_itera(m4_shift($@))]])')
m4_define(CF_iterate, `m4_define([[CF_iter]], m4_defn([[$1]]))CF_itera($2)')

# Keywords act as untyped %token
```

```
m4_define(CF_keywd, `m4_ifdef([[CF_tok_$1]],,[[m4_define([[CF_tok_$1]],1)m4_define([[CF_toks]],CF_toks
 $1)]])')
m4_define(CF_KEYWORDS, `m4_define([[CF_toks]],[[]])CF_iterate([[CF_keywd]],
[[$@]])m4_ifelse(CF_toks,,,%token[[]]CF_toks
)DNL')

# CLI commands
m4_define(CF_CLI, `m4_define([[CF_cmd]], cmd_[[]]m4_translit($1, [[ ]], _))DNL
m4_divert(2)CF_KEYWORDS(m4_translit($1, [[ ]], [[,]]))
m4_divert(3)cli_cmd: CF_cmd
CF_cmd: $1 $2 END')
m4_define(CF_CLI_CMD, `')
m4_define(CF_CLI_HELP, `')

# ENUM declarations are ignored
m4_define(CF_ENUM, `')

# After all configuration templates end, we finally generate the grammar file.
m4_m4wrap(`
m4_divert(0)DNL
%{
m4_undivert(1)DNL
%}

m4_undivert(2)DNL

%%
m4_undivert(3)DNL

%%
m4_undivert(4)DNL
')

# As we are processing C source, we must access all M4 primitives via
# m4_* and also set different quoting convention: `[[' and ']]'
m4_changequote([[,]])
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/gen_parser.m4
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- *BSD Kernel Route Syncer
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/bsd/krt-sys.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Password handling
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/password.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/password.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- IP One-Complement Checksum Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/checksum_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Routing Table
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/route.h
No license file was found, but licenses were detected in source scan.

%Color profile: _DEFAULT.CCM - Generic CMYK
%%BeginResource: procset wCorel6Dict 6.0 0
% Copyright (c)1992-96 Corel Corporation
% All rights reserved. v6.0 r1.1

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/doc/slides/obr2.eps
No license file was found, but licenses were detected in source scan.

```
m4_divert(-1)m4_dnl
#
# BIRD -- Construction of per-instruction structures
#
# (c) 2018 Maria Matejka <mq@jmq.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#
# THIS IS A M4 MACRO FILE GENERATING 3 FILES ALTOGETHER.
# KEEP YOUR HANDS OFF UNLESS YOU KNOW WHAT YOU'RE DOING.
# EDITING AND DEBUGGING THIS FILE MAY DAMAGE YOUR BRAIN SERIOUSLY.
#
# But you're welcome to read and edit and debug if you aren't scared.
#
# Uncomment the following line to get exhaustive debug output.
# m4_debugmode(aceflqtx)
#
# How it works:
# 1) Instruction to code conversion (uses diversions 100..199)
# 2) Code wrapping (uses diversions 1..99)
# 3) Final preparation (uses diversions 200..299)
# 4) Shipout
#
# See below for detailed description.
#
#
# 1) Instruction to code conversion
# The code provided in f-inst.c between consecutive INST() calls
# is interleaved for many different places. It is here processed
# and
 split into separate instances where split-by-instruction
# happens. These parts are stored in temporary diversions listed:
#
# 101 content of per-inst struct
# 102 constructor arguments
# 103 constructor body
# 104 dump line item content
#  (there may be nothing in dump-line content and
#   it must be handled specially in phase 2)
# 105 linearize body
# 106 comparator body
# 107 struct f_line_item content
# 108 interpreter body
#
```

```
# Here are macros to allow you to _divert to the right directions.
m4_define(FID_STRUCT_IN, `m4_divert(101)')
m4_define(FID_NEW_ARGS, `m4_divert(102)')
m4_define(FID_NEW_BODY, `m4_divert(103)')
m4_define(FID_DUMP_BODY, `m4_divert(104)m4_define([[FID_DUMP_BODY_EXISTS]])')
m4_define(FID_LINEARIZE_BODY, `m4_divert(105)')
m4_define(FID_SAME_BODY, `m4_divert(106)')
m4_define(FID_LINE_IN, `m4_divert(107)')
m4_define(FID_INTERPRET_BODY, `m4_divert(108)')

# Sometimes you want slightly different code versions in different
# outputs.
# Use FID_HIC(code for inst-gen.h,
 code for inst-gen.c, code for inst-interpret.c)
# and put it into [[ ]] quotes if it shall contain commas.
m4_define(FID_HIC, `m4_ifelse(TARGET, [[H]], [[$1]], TARGET, [[I]], [[$2]], TARGET, [[C]], [[$3]])')

# In interpreter code, this is quite common.
m4_define(FID_INTERPRET_EXEC, `FID_HIC(,[[FID_INTERPRET_BODY()]],[[m4_divert(-1)]])')
m4_define(FID_INTERPRET_NEW,  `FID_HIC(,[[m4_divert(-1)]],[[FID_INTERPRET_BODY()]])')

# If the instruction is never converted to constant, the interpret
# code is not produced at all for constructor
m4_define(NEVER_CONSTANT, `m4_define([[INST_NEVER_CONSTANT]])')
m4_define(FID_IFCONST, `m4_ifdef([[INST_NEVER_CONSTANT]],[[$2]],[[$1]])')

# If the instruction has some attributes (here called members),
# these are typically carried with the instruction from constructor
# to interpreter. This yields a line of code everywhere on the path.
# FID_MEMBER is a macro to help with this task.
m4_define(FID_MEMBER, `m4_dnl
FID_LINE_IN()m4_dnl
    $1 $2;
FID_STRUCT_IN()m4_dnl
     $1 $2;
FID_NEW_ARGS()m4_dnl
 , $1 $2
FID_NEW_BODY()m4_dnl
whati->$2 = $2;
FID_LINEARIZE_BODY()m4_dnl
item->$2 = whati->$2;
m4_ifelse($3,,,[[
FID_SAME_BODY()m4_dnl
if ($3) return 0;
]])
m4_ifelse($4,,,[[
FID_DUMP_BODY()m4_dnl
debug("%s" $4 "\n", INDENT, $5);
```

```
]])
FID_INTERPRET_EXEC()m4_dnl
const $1 $2 = whati->$2
FID_INTERPRET_BODY')

# Instruction arguments are needed only until linearization is done.
# This puts the arguments into the filter line to be executed before
# the instruction itself.
#
# To achieve this, ARG_ANY must be called before anything writes into
# the instruction line as it moves the instruction pointer forward.
m4_define(ARG_ANY, `
FID_STRUCT_IN()m4_dnl
    struct f_inst * f$1;
FID_NEW_ARGS()m4_dnl
 , struct f_inst * f$1
FID_NEW_BODY
whati->f$1 = f$1;
for (const struct f_inst *child = f$1; child; child = child->next) {
 what->size += child->size;
FID_IFCONST([[
 if (child->fi_code != FI_CONSTANT)
   constargs = 0;
]])
}
FID_LINEARIZE_BODY
pos
 = linearize(dest, whati->f$1, pos);
FID_INTERPRET_BODY()')

# Some instructions accept variable number of arguments.
m4_define(VARARG, `
FID_NEW_ARGS()m4_dnl
 , struct f_inst * fvar
FID_STRUCT_IN()m4_dnl
    struct f_inst * fvar;
    uint varcount;
FID_LINE_IN()m4_dnl
    uint varcount;
FID_NEW_BODY()m4_dnl
whati->varcount = 0;
whati->fvar = fvar;
for (const struct f_inst *child = fvar; child; child = child->next, whati->varcount++) {
 what->size += child->size;
FID_IFCONST([[
 if (child->fi_code != FI_CONSTANT)
   constargs = 0;
]])
```

```
}
FID_IFCONST([[
 const struct f_inst **items = NULL;
 if (constargs) {
   items = alloca(whati->varcount * sizeof(struct f_inst *));
   const struct f_inst *child = fvar;
   for (uint i=0; child; i++)
     child = (items[i] = child)->next;
 }
]])
FID_LINEARIZE_BODY()m4_dnl
 pos = linearize(dest, whati->fvar, pos);
 item->varcount = whati->varcount;
FID_DUMP_BODY()m4_dnl
 debug("%snumber of varargs %u\n", INDENT, item->varcount);
FID_SAME_BODY()m4_dnl
  if (f1->varcount != f2->varcount) return 0;
FID_INTERPRET_BODY()
FID_HIC(,[[
 if (fstk->vcnt < whati->varcount) runtime("Stack underflow");
 fstk->vcnt -= whati->varcount;
]],)
')

# Some arguments need to check their type. After that, ARG_ANY is called.
m4_define(ARG, `ARG_ANY($1)
FID_INTERPRET_EXEC()m4_dnl
if (v$1.type != $2) runtime("Argument $1 of instruction %s must be of type $2, got 0x%02x",
f_instruction_name(what->fi_code), v$1.type)m4_dnl
FID_INTERPRET_BODY()')

# Executing another filter line. This replaces the recursion
# that was needed in the former implementation.
m4_define(LINEX, `FID_INTERPRET_EXEC()LINEX_($1)FID_INTERPRET_NEW()return $1
FID_INTERPRET_BODY()')
m4_define(LINEX_, `do {
 fstk->estk[fstk->ecnt].pos = 0;
 fstk->estk[fstk->ecnt].line = $1;
 fstk->estk[fstk->ecnt].ventry = fstk->vcnt;
 fstk->estk[fstk->ecnt].vbase = fstk->estk[fstk->ecnt-1].vbase;
 fstk->estk[fstk->ecnt].emask = 0;
 fstk->ecnt++;
} while (0)')

m4_define(LINE,
 `
FID_LINE_IN()m4_dnl
    const struct f_line * fl$1;
```

```
FID_STRUCT_IN()m4_dnl
    struct f_inst * f$1;
FID_NEW_ARGS()m4_dnl
 , struct f_inst * f$1
FID_NEW_BODY()m4_dnl
whati->f$1 = f$1;
FID_DUMP_BODY()m4_dnl
f_dump_line(item->fl$1, indent + 1);
FID_LINEARIZE_BODY()m4_dnl
item->fl$1 = f_linearize(whati->f$1);
FID_SAME_BODY()m4_dnl
if (!f_same(f1->fl$1, f2->fl$1)) return 0;
FID_INTERPRET_EXEC()m4_dnl
do { if (whati->fl$1) {
 LINEX_(whati->fl$1);
} } while(0)
FID_INTERPRET_NEW()m4_dnl
return whati->f$1
FID_INTERPRET_BODY()')

# Some of the instructions have a result. These constructions
# state the result and put it to the right place.
m4_define(RESULT, `RESULT_VAL([[ (struct f_val) { .type = $1, .val.$2 = $3 } ]])')
m4_define(RESULT_VAL, `FID_HIC(, [[do { res = $1; fstk->vcnt++; } while (0)]],
[[return fi_constant(what, $1)]])')
m4_define(RESULT_VOID, `RESULT_VAL([[ (struct f_val) { .type = T_VOID } ]])')

# Some common filter instruction members
m4_define(SYMBOL, `FID_MEMBER(struct
 symbol *, sym, [[strcmp(f1->sym->name, f2->sym->name) || (f1->sym->class != f2->sym->class)]], "symbol %s",
item->sym->name)')
m4_define(RTC, `FID_MEMBER(struct rtable_config *, rtc, [[strcmp(f1->rtc->name, f2->rtc->name)]], "route
table %s", item->rtc->name)')
m4_define(STATIC_ATTR, `FID_MEMBER(struct f_static_attr, sa, f1->sa.sa_code != f2->sa.sa_code,,)')
m4_define(DYNAMIC_ATTR, `FID_MEMBER(struct f_dynamic_attr, da, f1->da.ea_code != f2->da.ea_code,,)')
m4_define(ACCESS_RTE, `FID_HIC(,[[do { if (!fs->rte) runtime("No route to access"); } while
(0)]],NEVER_CONSTANT())')

# 2) Code wrapping
# The code produced in 1xx temporary diversions is a raw code without
# any auxiliary commands and syntactical structures around. When the
# instruction is done, INST_FLUSH is called. More precisely, it is called
# at the beginning of INST() call and at the end of file.
#
# INST_FLUSH picks all the temporary diversions, wraps their content
# into appropriate headers and structures and saves them into
 global
# diversions listed:
```

```
#
# 4 enum fi_code
# 5 enum fi_code to string
# 6 dump line item
# 7 dump line item callers
# 8 linearize
# 9 same (filter comparator)
# 1 union in struct f_inst
# 3 constructors + interpreter
#
# These global diversions contain blocks of code that can be directly
# put into the final file, yet it still can't be written out now as
# every instruction writes to all of these diversions.

# Code wrapping diversion names. Here we want an explicit newline
# after the C comment.
m4_define(FID_ZONE, `m4_divert($1) /* $2 for INST_NAME() */
')
m4_define(FID_INST, `FID_ZONE(1, Instruction structure for config)')
m4_define(FID_LINE, `FID_ZONE(2, Instruction structure for interpreter)')
m4_define(FID_NEW, `FID_ZONE(3, Constructor)')
m4_define(FID_ENUM, `FID_ZONE(4, Code enum)')
m4_define(FID_ENUM_STR, `FID_ZONE(5, Code enum to string)')
m4_define(FID_DUMP, `FID_ZONE(6, Dump line)')
m4_define(FID_DUMP_CALLER, `FID_ZONE(7, Dump line caller)')
m4_define(FID_LINEARIZE,
 `FID_ZONE(8, Linearize)')
m4_define(FID_SAME, `FID_ZONE(9, Comparison)')

# This macro does all the code wrapping. See inline comments.
m4_define(INST_FLUSH, `m4_ifdef([[INST_NAME]], [[
FID_ENUM()m4_dnl    Contents of enum fi_code { ... }
 INST_NAME(),
FID_ENUM_STR()m4_dnl    Contents of const char * indexed by enum fi_code
 [INST_NAME()] = "INST_NAME()",
FID_INST()m4_dnl    Anonymous structure inside struct f_inst
   struct {
m4_undivert(101)m4_dnl
   } i_[[]]INST_NAME();
FID_LINE()m4_dnl    Anonymous structure inside struct f_line_item
   struct {
m4_undivert(107)m4_dnl
   } i_[[]]INST_NAME();
FID_NEW()m4_dnl     Constructor and interpreter code together
FID_HIC(
[[m4_dnl     Public declaration of constructor in H file
struct f_inst *f_new_inst_]]INST_NAME()[[(enum f_instruction_code fi_code
m4_undivert(102)m4_dnl
```

```
);]],
[[m4_dnl     The one case in The Big Switch inside interpreter
 case INST_NAME():
 #define whati (&(what->i_]]INST_NAME()[])
 m4_ifelse(m4_eval(INST_INVAL()
 > 0), 1, [[if (fstk->vcnt < INST_INVAL()) runtime("Stack underflow"); fstk->vcnt -= INST_INVAL(); ]])
 m4_undivert(108)m4_dnl
 #undef whati
 break;
]],
[[m4_dnl     Constructor itself
struct f_inst *f_new_inst_]]INST_NAME()[[(enum f_instruction_code fi_code
m4_undivert(102)m4_dnl
)
 {
   /* Allocate the structure */
   struct f_inst *what = fi_new(fi_code);
   FID_IFCONST([[uint constargs = 1;]])

   /* Initialize all the members */
 #define whati (&(what->i_]]INST_NAME()[])
 m4_undivert(103)m4_dnl

   /* If not constant, return the instruction itself */
   FID_IFCONST([[if (!constargs)]])
     return what;

   /* Try to pre-calculate the result */
   FID_IFCONST([[m4_undivert(108)]])m4_dnl
 #undef whati
 }
]])

FID_DUMP_CALLER()m4_dnl    Case in another big switch used in instruction dumping (debug)
case INST_NAME(): f_dump_line_item_]]INST_NAME()[[(item, indent + 1); break;

FID_DUMP()m4_dnl    The dumper itself
m4_ifdef([[FID_DUMP_BODY_EXISTS]],
[[static inline void
 f_dump_line_item_]]INST_NAME()[[(const struct f_line_item *item_, const int indent)]],
[[static inline void f_dump_line_item_]]INST_NAME()[[(const struct f_line_item *item UNUSED, const int indent
UNUSED)]])
m4_undefine([[FID_DUMP_BODY_EXISTS]])
{
#define item (&(item_->i_]]INST_NAME()[])
m4_undivert(104)m4_dnl
#undef item
}
```

```
FID_LINEARIZE()m4_dnl    The linearizer
case INST_NAME(): {
#define whati (&(what->i_]]INST_NAME()[])
#define item (&(dest->items[pos].i_]]INST_NAME()[])
 m4_undivert(105)m4_dnl
#undef whati
#undef item
 dest->items[pos].fi_code = what->fi_code;
 dest->items[pos].lineno = what->lineno;
 break;
}

FID_SAME()m4_dnl    This code compares two f_line"s while reconfiguring
case INST_NAME():
#define f1 (&(f1_->i_]]INST_NAME()[])
#define f2 (&(f2_->i_]]INST_NAME()[])
m4_undivert(106)m4_dnl
#undef f1
#undef f2
break;

m4_divert(-1)FID_FLUSH(101,200)m4_dnl  And finally this flushes all the unused diversions
]])')

m4_define(INST, `m4_dnl    This macro is called
 on beginning of each instruction.
INST_FLUSH()m4_dnl    First, old data is flushed
m4_define([[INST_NAME]], [[$1]])m4_dnl  Then we store instruction name,
m4_define([[INST_INVAL]], [[$2]])m4_dnl  instruction input value count
m4_undefine([[INST_NEVER_CONSTANT]])m4_dnl and reset NEVER_CONSTANT trigger.
FID_INTERPRET_BODY()m4_dnl    By default, every code is interpreter code.
')

# 3) Final preparation
#
# Now we prepare all the code around the global diversions.
# It must be here, not in m4wrap, as we want M4 to mark the code
# by #line directives correctly, not to claim that every single line
# is at the beginning of the m4wrap directive.
#
# This part is split by the final file.
# H for inst-gen.h
# I for inst-interpret.c
# C for inst-gen.c
#
# So we in cycle:
#   A. open a diversion
```

```
#   B. send there some code
#   C. close that diversion
#   D. flush a global diversion
#   E. open another diversion and goto B.
#
# Final diversions
# 200+ completed text before it is flushed to output

# This
 is a list of output diversions
m4_define(FID_WR_PUT_LIST)

# This macro does the steps C to E, see before.
m4_define(FID_WR_PUT_ALSO,
`m4_define([[FID_WR_PUT_LIST]],FID_WR_PUT_LIST()[[FID_WR_DPUT(]]FID_WR_DIDX[[)FID_WR_DP
UT(]]$1[[)]])m4_define([[FID_WR_DIDX]],m4_eval(FID_WR_DIDX+1))m4_divert(FID_WR_DIDX)')

# These macros do the splitting between H/I/C
m4_define(FID_WR_DIRECT, `m4_ifelse(TARGET,[[$1]],[[FID_WR_INIT()]],[[FID_WR_STOP()]])')
m4_define(FID_WR_INIT,
`m4_define([[FID_WR_DIDX]],200)m4_define([[FID_WR_PUT]],[[FID_WR_PUT_ALSO($]][[@)]])m4_divert(2
00)')
m4_define(FID_WR_STOP, `m4_define([[FID_WR_PUT]])m4_divert(-1)')

# Here is the direct code to be put into the output files
# together with the undiversions, being hidden under FID_WR_PUT()

m4_changequote([[,]])
FID_WR_DIRECT(I)
FID_WR_PUT(3)
FID_WR_DIRECT(C)

#if defined(__GNUC__) && __GNUC__ >= 6
#pragma GCC diagnostic push
#pragma GCC diagnostic ignored "-Wmisleading-indentation"
#endif

#include "nest/bird.h"
#include
 "filter/filter.h"
#include "filter/f-inst.h"

/* Instruction codes to string */
static const char * const f_instruction_name_str[] = {
FID_WR_PUT(5)
};

const char *
```

```
f_instruction_name(enum f_instruction_code fi)
{
 if (fi < (sizeof(f_instruction_name_str) / sizeof(f_instruction_name_str[0])))
   return f_instruction_name_str[fi];
 else
   bug("Got unknown instruction code: %d", fi);
}

static inline struct f_inst *
fi_new(enum f_instruction_code fi_code)
{
 struct f_inst *what = cfg_allocz(sizeof(struct f_inst));
 what->lineno = ifs->lino;
 what->size = 1;
 what->fi_code = fi_code;
 return what;
}

static inline struct f_inst *
fi_constant(struct f_inst *what, struct f_val val)
{
 what->fi_code = FI_CONSTANT;
 what->i_FI_CONSTANT.val = val;
 return what;
}

#define v1 whati->f1->i_FI_CONSTANT.val
#define v2 whati->f2->i_FI_CONSTANT.val
#define v3 whati->f3->i_FI_CONSTANT.val
#define vv(i) items[i]->i_FI_CONSTANT.val
#define runtime(fmt, ...) cf_error("filter preevaluation,
 line %d: " fmt, ifs->lino, ##__VA_ARGS__)
#define fpool cfg_mem
#define falloc(size) cfg_alloc(size)
/* Instruction constructors */
FID_WR_PUT(3)
#undef v1
#undef v2
#undef v3
#undef vv

/* Line dumpers */
#define INDENT (((const char *) f_dump_line_indent_str) + sizeof(f_dump_line_indent_str) - (indent) - 1)
static const char f_dump_line_indent_str[] = "                                ";

FID_WR_PUT(6)

void f_dump_line(const struct f_line *dest, uint indent)
```

```
{
 if (!dest) {
   debug("%sNo filter line (NULL)\n", INDENT);
   return;
 }
 debug("%sFilter line %p (len=%u)\n", INDENT, dest, dest->len);
 for (uint i=0; i<dest->len; i++) {
   const struct f_line_item *item = &dest->items[i];
   debug("%sInstruction %s at line %u\n", INDENT, f_instruction_name(item->fi_code), item->lineno);
   switch (item->fi_code) {
FID_WR_PUT(7)
     default: bug("Unknown instruction %x in f_dump_line", item->fi_code);
   }
 }
 debug("%sFilter line %p dump done\n", INDENT, dest);
}

/* Linearize
 */
static uint
linearize(struct f_line *dest, const struct f_inst *what, uint pos)
{
 for ( ; what; what = what->next) {
   switch (what->fi_code) {
FID_WR_PUT(8)
   }
   pos++;
 }
 return pos;
}

struct f_line *
f_linearize_concat(const struct f_inst * const inst[], uint count)
{
 uint len = 0;
 for (uint i=0; i<count; i++)
   for (const struct f_inst *what = inst[i]; what; what = what->next)
     len += what->size;

 struct f_line *out = cfg_allocz(sizeof(struct f_line) + sizeof(struct f_line_item)*len);

 for (uint i=0; i<count; i++)
   out->len = linearize(out, inst[i], out->len);

#if DEBUGGING
 f_dump_line(out, 0);
#endif
 return out;
```

```
}

/* Filter line comparison */
int
f_same(const struct f_line *fl1, const struct f_line *fl2)
{
 if ((!fl1) && (!fl2))
   return 1;
 if ((!fl1) || (!fl2))
   return 0;
 if (fl1->len != fl2->len)
   return 0;
 for (uint i=0; i<fl1->len; i++) {
#define f1_ (&(fl1->items[i]))
#define f2_ (&(fl2->items[i]))
   if (f1_->fi_code
 != f2_->fi_code)
     return 0;
   if (f1_->flags != f2_->flags)
     return 0;

   switch(f1_->fi_code) {
FID_WR_PUT(9)
   }
 }
#undef f1_
#undef f2_
 return 1;
}

#if defined(__GNUC__) && __GNUC__ >= 6
#pragma GCC diagnostic pop
#endif

FID_WR_DIRECT(H)
/* Filter instruction codes */
enum f_instruction_code {
FID_WR_PUT(4)m4_dnl
} PACKED;

/* Filter instruction structure for config */
struct f_inst {
 struct f_inst *next;   /* Next instruction */
 enum f_instruction_code fi_code; /* Instruction code */
 int size;    /* How many instructions are underneath */
 int lineno;    /* Line number */
 union {
FID_WR_PUT(1)m4_dnl
```

```
 };
};

/* Filter line item */
struct f_line_item {
 enum f_instruction_code fi_code; /* What to do */
 enum f_instruction_flags flags; /* Flags, instruction-specific */
 uint lineno;    /* Where */
 union {
FID_WR_PUT(2)m4_dnl
 };
};

/* Instruction constructors */
FID_WR_PUT(3)
m4_divert(-1)

# 4) Shipout
#
# Everything is prepared in FID_WR_PUT_LIST
 now. Let's go!

m4_changequote(`,')

# Flusher auxiliary macro
m4_define(FID_FLUSH, `m4_ifelse($1,$2,,[[m4_undivert($1)FID_FLUSH(m4_eval($1+1),$2)]])')

# Defining the macro used in FID_WR_PUT_LIST
m4_define(FID_WR_DPUT, `m4_undivert($1)')

# After the code is read and parsed, we:
m4_m4wrap(`INST_FLUSH()m4_divert(0)FID_WR_PUT_LIST()m4_divert(-1)FID_FLUSH(1,200)')

m4_changequote([[,]])
# And now M4 is going to parse f-inst.c, fill the diversions
# and after the file is done, the content of m4_m4wrap (see before)
# is executed.
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/decl.m4
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client -- Command Handling
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

```
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/commands.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Macro Tricks
*
* (c) 2018 Jan Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* Contains useful but dirty macro tricks:
*  MACRO_CONCAT(a, b) -> concatenates a##b
*  MACRO_BOOL(x)  -> convert 0 to 0, anything else to 1
*  MACRO_IFELSE(b)(true-branch)(false-branch)
*     -> b shall be 0 or 1; expands to the appropriate branch
*  MACRO_ISEMPTY(...) -> 1 for empty argument list, 0 otherwise
*  MACRO_FOREACH(func, ...)
*     -> calling FOREACH(func, a, b, c, d) expands to
*      func(a) func(b) func(c) func(d)
*  MACRO_RPACK(func, terminator, ...)
*     -> packs the list into recursive calls:
*      func(func(func(func(terminator, a), b), c), d)
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/macro.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Resource Manager -- Memory Pools
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/mempool.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Configuration File Handling
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
```

* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/conf.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/conf.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Configuration Lexer
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/conf/cf-lex.l
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Linux Netlink Interface
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/linux/netlink.c
No license file was found, but licenses were detected in source scan.

/*
* Filters: Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/filter_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- ID Map
*
* (c) 2013--2015 Ondrej Zajicek <santiago@crfreenet.org>

* (c) 2013--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/idm.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/idm.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Neighbor Cache
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2018 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2018 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/neighbor.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Linked Lists
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/lists.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/lists.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Router Advertisement Configuration
*
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/bfd/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Linux Multicasting and Network Includes
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/linux/sysio.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- An implementation of the SSH protocol for the RPKI transport
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* This file was a part of RTRlib: http://rpki.realmv6.org/
* This transport implementation uses libssh (http://www.libssh.org/)
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/rpki/ssh_transport.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Babel protocol
*
* Copyright (c) 2015--2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* This file contains the main routines for handling and sending TLVs, as
* well as timers and interaction with the nest.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/babel/babel.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library
*
```

* (c) 1998--2004 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/birdlib.h
No license file was found, but licenses were detected in source scan.

%Color profile: Disabled
%%BeginResource: procset wCorel6Dict 6.0 0
% Copyright (c)1992-96 Corel Corporation
% All rights reserved. v6.0 r1.1

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/doc/slides/obr1.eps
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/doc/slides/obr5.eps
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Command-Line Interface
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/cli.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/cli.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- SHA-512 and SHA-384 Hash Functions
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Based on the code from libgcrypt-1.6.0, which is
* (c) 2003, 2006, 2008, 2009 Free Software Foundation, Inc.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/sha512.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/sha512.c
No license file was found, but licenses were detected in source scan.

```
#
# BIRD -- Internal Commands Of The Client
#
# (c) 2000 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

CF_CLI(QUIT,,, [[Quit the client]])
CF_CLI(EXIT,,, [[Exit the client]])
CF_CLI(HELP,,, [[Description of the help system]])
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/client/cmds.Y
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: utility functions
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
*    2017 Jan Maria Matejka <mq@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/f-util.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Table-to-Table Routing Protocol a.k.a Pipe
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/pipe/pipe.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/perf/perf.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Static Protocol Configuration
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

```
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/static/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- String Functions Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/printf_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Unix Entry Point
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/main.c
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```
/*
* BIRD Internet Routing Daemon -- Dynamic data structures
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2018--2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/filter/data.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Babel Configuration
*
* Copyright (c) 2015-2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
```

```
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/babel/config.Y
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```
/*
* BIRD -- Router Advertisement Configuration
*
* (c) 2011--2019 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2011--2019 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
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```
/*
* BIRD -- Declarations Common to Unix Port
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/sysdep/unix/unix.h
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```
/*
* BIRD Library -- IP One-Complement Checksum
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/lib/checksum.c
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```
/*
*      BIRD -- OSPF
```

```
*
*      (c) 1999--2000 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
*      Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/lsalib.h
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```
/*
* BIRD Library -- MD5 Hash Function and HMAC-MD5 Function
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* The code was written by Colin Plumb in 1993, no copyright is claimed.
*
* Adapted for BIRD by Martin Mares <mj@ucw.cz>
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*/
```

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```
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* BIRD -- Linux Kernel Netlink Route Syncer
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
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*/
```

Found in path(s):
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```
/*
* BIRD - filters
*
* Copyright 1998--2000 Pavel Machek
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
 FIXME: priority of ! should be lower
```

```
*/
```

Found in path(s):
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```
/*
* BIRD Library -- Event Processing Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
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*/
```

Found in path(s):
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```
/*
* BIRD -- Set/Community-list Operations Tests
*
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*
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*/
```

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/a-set_test.c
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```
/*
* BIRD Object Locks
*
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*
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*/
```

Found in path(s):
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* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/nest/locks.h
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```
/*
* BIRD -- Documentation for Protocol Hooks (dummy source file)
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
```

* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
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/*
* BIRD -- Multi-Threaded Routing Toolkit (MRT) Protocol
*
* (c) 2017--2018 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2017--2018 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/mrt/mrt.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/mrt/mrt.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/mrt/config.Y
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/*
* BIRD -- OSPF
*
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*/

Found in path(s):
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/hello.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/ospf.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/topology.h
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/dbdes.c
* /cz-nic-bird-v2-0-7-0-gb000a94-tar-gz/CZ-NIC-bird-3d61677/proto/ospf/neighbor.c

1.35 libgcrypt 1.9.3

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any
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1.41 dtc 1.6.0

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1.44 nghttp2 1.47.0

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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
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1.45 ldns 1.8.1

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1.46 lua 5.4.4

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##
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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
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Abstract

The de facto standard application program interface (API) for TCP/IP applications is the "sockets" interface. Although this API was developed for Unix in the early 1980s it has also been implemented on a wide variety of non-Unix systems. TCP/IP applications written using the sockets API have in
the past enjoyed a high degree of portability and we
would like the same portability with IPv6 applications. But changes are required to the sockets API to support IPv6 and this memo describes these changes. These include a new socket address structure to carry IPv6 addresses, new address conversion functions, and some new socket options. These extensions are designed to provide access to the basic IPv6 features required by TCP and UDP applications, including multicasting, while introducing a minimum of change into the system and providing complete compatibility for existing IPv4 applications. Additional extensions for advanced IPv6 features (raw sockets and access to the IPv6 extension headers) are defined in another document [4].

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1. Introduction

While IPv4 addresses are 32 bits long, IPv6 interfaces are identified by 128-bit addresses. The socket interface makes the size of an IP address quite visible to an application; virtually all TCP/IP applications for BSD-based systems have knowledge of the size of an IP address. Those parts of the API that expose the addresses must be changed to accommodate the larger IPv6 address size. IPv6 also introduces new features (e.g., traffic class and flowlabel), some of which must be made visible to applications via the API. This memo defines a set of extensions to the socket interface to support the larger address size and new features of IPv6.

2. Design Considerations

There are a number of important considerations in designing changes to this well-worn API:

- The API changes should provide both source and binary compatibility for programs written to the original API. That is, existing program binaries should continue to operate when run on a system supporting the new API. In addition, existing applications that are re-compiled and run on a system supporting the new API should continue to operate. Simply put, the API changes for IPv6 should not break existing programs. An additonal mechanism

for implementations to verify this is to verify the new
symbols are protected by Feature Test Macros as described in IEEE Std 1003.1. (Such Feature Test Macros are not defined by this RFC.)

- The changes to the API should be as small as possible in order to simplify the task of converting existing IPv4 applications to IPv6.

- Where possible, applications should be able to use this API to interoperate with both IPv6 and IPv4 hosts. Applications should not need to know which type of host they are communicating with.

- IPv6 addresses carried in data structures should be 64-bit aligned. This is necessary in order to obtain optimum performance on 64-bit machine architectures.

Because of the importance of providing IPv4 compatibility in the API, these extensions are explicitly designed to operate on machines that provide complete support for both IPv4 and IPv6. A subset of this API could probably be designed for operation on systems
that support only
IPv6. However, this is not addressed in this memo.

2.1 What Needs to be Changed

The socket interface API consists of a few distinct components:

- Core socket functions.

- Address data structures.

- Name-to-address translation functions.

- Address conversion functions.

The core socket functions -- those functions that deal with such things as setting up and tearing down TCP connections, and sending and

receiving UDP packets -- were designed to be transport independent. Where protocol addresses are passed as function arguments, they are carried via opaque pointers. A protocol-specific address data structure is defined for each protocol that the socket functions support. Applications must cast pointers to these protocol-specific address structures into pointers to the generic "sockaddr" address structure when using the socket functions. These functions need not change for IPv6, but a new IPv6-specific address data structure is needed.

The "sockaddr_in" structure is the protocol-specific data structure for IPv4. This data structure actually includes 8-octets of unused space, and it is tempting to try to use this space to adapt the sockaddr_in structure to IPv6. Unfortunately, the sockaddr_in structure is not large enough to hold the 16-octet IPv6 address as well as the other information (address family and port number) that is needed. So a new address data structure must be defined for IPv6.

IPv6 addresses are scoped [2] so they could be link-local, site, organization, global, or other scopes at this time undefined. To support applications that want to be able to identify a set of interfaces for a specific scope, the IPv6 sockaddr_in structure must support a field that can be used by an implementation to identify a set of interfaces identifying the scope for an IPv6 address.

The name-to-address translation functions in the socket interface are gethostbyname() and gethostbyaddr(). These are left as is and new functions are defined to support IPv4 and IPv6. Additionally, the POSIX 1003.g draft [3] specifies a new nodename-to-address translation function which is protocol independent. This function can also be used with IPv4 and IPv6.

The address conversion functions -- inet_ntoa() and inet_addr() -- convert IPv4 addresses between binary and printable form. These functions are quite specific to 32-bit IPv4 addresses. We have designed two analogous functions that convert both IPv4 and IPv6 addresses, and carry an address type parameter so that they can be extended to other protocol families as well.

Finally, a few miscellaneous features are needed to support IPv6. New interfaces are needed to support the IPv6 traffic class, flow label, and hop limit header fields. New socket options are needed to control the sending and receiving of IPv6 multicast packets.

The socket interface will be enhanced in the future to provide access to other IPv6 features. These extensions are described in [4].

2.2 Data Types

The data types of the structure elements given in this memo are intended to be examples, not absolute requirements. Whenever possible, data types from Draft 6.6 (March 1997) of POSIX 1003.1g are used: uintN_t means an unsigned integer of exactly N bits (e.g., uint16_t). We also assume the argument data types from 1003.1g when possible (e.g., the final argument to setsockopt() is a size_t value). Whenever buffer sizes are specified, the POSIX 1003.1 size_t data type is used (e.g., the two length arguments to getnameinfo()).

2.3 Headers

When function prototypes and structures are shown we show the headers that must be #included to cause that item to be defined.

2.4
Structures

When structures are described the members shown are the ones that must appear in an implementation. Additional, nonstandard members may also be defined by an implementation. As an additional precaution nonstandard members could be verified by Feature Test Macros as described in IEEE Std 1003.1. (Such Feature Test Macros are not defined by this RFC.)

The ordering shown for the members of a structure is the recommended ordering, given alignment considerations of multibyte members, but an implementation may order the members differently.

3. Socket Interface

This section specifies the socket interface changes for IPv6.

3.1 IPv6 Address Family and Protocol Family

A new address family name, AF_INET6, is defined in <sys/socket.h>. The AF_INET6 definition distinguishes between the original sockaddr_in address data structure, and the new sockaddr_in6 data structure.

A new protocol family name, PF_INET6, is defined in <sys/socket.h>. Like most of the other protocol family names, this will usually be defined to have the same value as the corresponding address family name:

```
#define PF_INET6        AF_INET6
```

The PF_INET6 is used in the first argument to the socket() function to indicate that an IPv6 socket is being created.

3.2 IPv6 Address Structure

A new in6_addr structure holds a single IPv6 address and is defined as a result of including <netinet/in.h>:

```
struct in6_addr {
    uint8_t  s6_addr[16];      /* IPv6 address */
};
```

This data structure contains an array of sixteen 8-bit elements, which make up one 128-bit IPv6 address. The IPv6 address is stored in network byte order.

The structure in6_addr above is usually implemented with an embedded union with extra fields that force the desired alignment level in a

manner similar to BSD implementations of "struct in_addr". Those additional
implementation details are omitted here for simplicity.

An example is as follows:

```
struct in6_addr {
   union {
      uint8_t  _S6_u8[16];
      uint32_t _S6_u32[4];
      uint64_t _S6_u64[2];
   } _S6_un;
};
#define s6_addr _S6_un._S6_u8
```

3.3 Socket Address Structure for 4.3BSD-Based Systems

In the socket interface, a different protocol-specific data structure is defined to carry the addresses for each protocol suite. Each protocol-specific data structure is designed so it can be cast into a protocol-independent data structure -- the "sockaddr" structure. Each has a "family" field that overlays the "sa_family" of the sockaddr data structure. This field identifies the type of the data structure.

The sockaddr_in structure is the protocol-specific address data structure for IPv4. It is used to pass addresses between applications and the system in the socket functions. The following sockaddr_in6 structure holds IPv6 addresses and is defined as a result of including
the <netinet/in.h> header:

```
 struct sockaddr_in6 {
    sa_family_t     sin6_family;    /* AF_INET6 */
    in_port_t       sin6_port;      /* transport layer port # */
    uint32_t        sin6_flowinfo;  /* IPv6 traffic class & flow info */
    struct in6_addr sin6_addr;      /* IPv6 address */
    uint32_t        sin6_scope_id;  /* set of interfaces for a scope */
 };
```

This structure is designed to be compatible with the sockaddr data structure used in the 4.3BSD release.

The sin6_family field identifies this as a sockaddr_in6 structure. This

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field overlays the sa_family field when the buffer is cast to a sockaddr data structure. The value of this field must be AF_INET6.

The sin6_port field contains the 16-bit UDP or TCP port number. This field is used in the same way as the sin_port field of the sockaddr_in structure.
The port number is stored in network byte order.

The sin6_flowinfo field is a 32-bit field that contains two pieces of information: the traffic class and the flow label. The contents and interpretation of this member is specified in [1]. The sin6_flowinfo field SHOULD be set to zero by an implementation prior to using the sockaddr_in6 structure by an application on receive operations.

The sin6_addr field is a single in6_addr structure (defined in the previous section). This field holds one 128-bit IPv6 address. The address is stored in network byte order.

The ordering of elements in this structure is specifically designed so that when sin6_addr field is aligned on a 64-bit boundary, the start of the structure will also be aligned on a 64-bit boundary. This is done for optimum performance on 64-bit architectures.

The sin6_scope_id field is a 32-bit integer that identifies a set of interfaces as appropriate for the scope of the address carried in the sin6_addr
field. For a link scope sin6_addr sin6_scope_id would be an interface index. For a site scope sin6_addr, sin6_scope_id would be a site identifier. The mapping of sin6_scope_id to an interface or set of interfaces is left to implementation and future specifications on the subject of site identifiers.

Notice that the sockaddr_in6 structure will normally be larger than the generic sockaddr structure. On many existing implementations the sizeof(struct sockaddr_in) equals sizeof(struct sockaddr), with both being 16 bytes. Any existing code that makes this assumption needs to be examined carefully when converting to IPv6.

3.4 Socket Address Structure for 4.4BSD-Based Systems

The 4.4BSD release includes a small, but incompatible change to the

socket interface. The "sa_family" field of the sockaddr data structure was changed from a 16-bit value to an 8-bit value, and the space saved used to hold a length field, named "sa_len". The sockaddr_in6 data structure given in the previous
section cannot be correctly cast into
the newer sockaddr data structure. For this reason, the following alternative IPv6 address data structure is provided to be used on systems based on 4.4BSD. It is defined as a result of including the <netinet/in.h> header.

```
struct sockaddr_in6 {
    uint8_t        sin6_len;      /* length of this struct */
    sa_family_t    sin6_family;   /* AF_INET6 */
    in_port_t      sin6_port;     /* transport layer port # */
    uint32_t       sin6_flowinfo; /* IPv6 flow information */
    struct in6_addr sin6_addr;    /* IPv6 address */
    uint32_t       sin6_scope_id; /* set of interfaces for a scope */
};
```


The only differences between this data structure and the 4.3BSD variant are the inclusion of the length field, and the change of the family field to a 8-bit data type.
The definitions of all the other fields are
identical to the structure defined in the previous section.

Systems that provide this version of the sockaddr_in6 data structure must also declare SIN6_LEN as a result of including the <netinet/in.h> header. This macro allows applications to determine whether they are being built on a system that supports the 4.3BSD or 4.4BSD variants of the data structure.

3.5 The Socket Functions

Applications call the socket() function to create a socket descriptor that represents a communication endpoint. The arguments to the socket() function tell the system which protocol to use, and what format address structure will be used in subsequent functions. For example, to create an IPv4/TCP socket, applications make the call:

```
  s = socket(PF_INET, SOCK_STREAM, 0);
```

To create an IPv4/UDP socket, applications make the call:

```
  s = socket(PF_INET, SOCK_DGRAM, 0);
```

Applications may create IPv6/TCP and IPv6/UDP sockets by simply using the constant PF_INET6 instead of PF_INET in the first argument. For example, to create an IPv6/TCP socket, applications make the call:

```
  s = socket(PF_INET6, SOCK_STREAM, 0);
```

To create an IPv6/UDP socket, applications make the call:

```
  s = socket(PF_INET6, SOCK_DGRAM, 0);
```

Once the application has created a PF_INET6 socket, it must use the sockaddr_in6 address structure when passing addresses in to the system. The functions that the application uses to pass addresses into the system are:

- bind()
- connect()
- sendmsg()
- sendto()

The system will use the sockaddr_in6 address structure to return addresses to applications that are using PF_INET6 sockets. The functions that return an address from the system to an application are:

- accept()
- recvfrom()
- recvmsg()
- getpeername()
- getsockname()

No changes to the syntax of the socket functions are needed to support

IPv6, since all of the "address carrying" functions use an opaque

address pointer, and carry an address length as a function argument.

3.6 Compatibility with IPv4 Applications

In order to support the large base of applications using the original API, system implementations must provide complete source and binary compatibility with the original API. This means that systems must continue to support PF_INET sockets and the sockaddr_in address structure. Applications must be able to create IPv4/TCP and IPv4/UDP sockets using the PF_INET constant in the socket() function, as described in the previous section. Applications should be able to hold a combination of IPv4/TCP, IPv4/UDP, IPv6/TCP and IPv6/UDP sockets simultaneously within the same process.

Applications using the original API should continue to operate as they did on systems supporting only IPv4. That is, they should continue to interoperate with IPv4 nodes.

3.7 Compatibility with IPv4 Nodes

The
API also provides a different type of compatibility: the ability for IPv6 applications to interoperate with IPv4 applications. This feature uses the IPv4-mapped IPv6 address format defined in the IPv6 addressing architecture specification [2]. This address format allows the IPv4 address of an IPv4 node to be represented as an IPv6 address. The IPv4 address is encoded into the low-order 32 bits of the IPv6 address, and the high-order 96 bits hold the fixed prefix 0:0:0:0:0:FFFF. IPv4-mapped addresses are written as follows:

::FFFF:<IPv4-address>

These addresses can be generated automatically by the getipnodebyname() function when the specified host has only IPv4 addresses (as described in Section 6.1).

Applications may use PF_INET6 sockets to open TCP connections to IPv4 nodes, or send UDP packets to IPv4 nodes, by simply encoding the destination's IPv4 address as an IPv4-mapped IPv6 address, and passing that address, within a sockaddr_in6 structure, in the connect()
or
sendto() call. When applications use PF_INET6 sockets to accept TCP connections from IPv4 nodes, or receive UDP packets from IPv4 nodes, the system returns the peer's address to the application in the accept(),

recvfrom(), or getpeername() call using a sockaddr_in6 structure encoded this way.

Few applications will likely need to know which type of node they are interoperating with. However, for those applications that do need to know, the IN6_IS_ADDR_V4MAPPED() macro, defined in Section 6.7, is provided.

3.8 IPv6 Wildcard Address

While the bind() function allows applications to select the source IP address of UDP packets and TCP connections, applications often want the system to select the source address for them. With IPv4, one specifies the address as the symbolic constant INADDR_ANY (called the "wildcard" address) in the
bind() call, or simply omits the bind() entirely.

Since the IPv6 address type is a structure (struct in6_addr), a symbolic constant can be used to initialize an IPv6 address variable, but cannot be used in an assignment. Therefore systems provide the IPv6 wildcard address in two forms.

The first version is a global variable named "in6addr_any" that is an in6_addr structure. The extern declaration for this variable is defined in <netinet/in.h>:

```
extern const struct in6_addr in6addr_any;
```

Applications use in6addr_any similarly to the way they use INADDR_ANY in IPv4. For example, to bind a socket to port number 23, but let the system select the source address, an application could use the following code:

```
struct sockaddr_in6 sin6;
. . .
sin6.sin6_family = AF_INET6;
sin6.sin6_flowinfo = 0;
```

```
 sin6.sin6_port = htons(23);
 sin6.sin6_addr = in6addr_any;  /* structure assignment */
  . . .
 if (bind(s, (struct sockaddr *) &sin6, sizeof(sin6)) == -1)
        . .
.
```

The other version is a symbolic constant named IN6ADDR_ANY_INIT and is defined in <netinet/in.h>. This constant can be used to initialize an in6_addr structure:

```
 struct in6_addr anyaddr = IN6ADDR_ANY_INIT;
```

Note that this constant can be used ONLY at declaration time. It can not be used to assign a previously declared in6_addr structure. For example, the following code will not work:

```
 /* This is the WRONG way to assign an unspecified address */
 struct sockaddr_in6 sin6;
  . . .
 sin6.sin6_addr = IN6ADDR_ANY_INIT; /* will NOT compile */
```

Be aware that the IPv4 INADDR_xxx constants are all defined in host byte order but the IPv6 IN6ADDR_xxx constants and the IPv6 in6addr_xxx externals are defined in network byte order.

3.9 IPv6 Loopback Address

Applications may need to send UDP packets to, or originate TCP connections
to, services residing on the local node. In IPv4, they can do this by using the constant IPv4 address INADDR_LOOPBACK in their connect(), sendto(), or sendmsg() call.

IPv6 also provides a loopback address to contact local TCP and UDP

services. Like the unspecified address, the IPv6 loopback address is
provided in two forms -- a global variable and a symbolic constant.

The global variable is an in6_addr structure named "in6addr_loopback."
The extern declaration for this variable is defined in <netinet/in.h>:

```
 extern const struct in6_addr in6addr_loopback;
```

Applications use in6addr_loopback as they would use INADDR_LOOPBACK in
IPv4 applications (but beware of the byte ordering difference mentioned
at the end of the previous section). For example, to open a TCP
connection to the local telnet server, an application could use the
following code:

```
 struct sockaddr_in6 sin6;
  . . .
 sin6.sin6_family = AF_INET6;
 sin6.sin6_flowinfo = 0;
 sin6.sin6_port = htons(23);

sin6.sin6_addr = in6addr_loopback;  /* structure assignment */
  . . .
 if (connect(s, (struct sockaddr *) &sin6, sizeof(sin6)) == -1)
        . . .
```

The symbolic constant is named IN6ADDR_LOOPBACK_INIT and is defined in
<netinet/in.h>. It can be used at declaration time ONLY; for example:

```
 struct in6_addr loopbackaddr = IN6ADDR_LOOPBACK_INIT;
```

Like IN6ADDR_ANY_INIT, this constant cannot be used in an assignment to
a previously declared IPv6 address variable.

3.10 Portability Additions

One simple addition to the sockets API that can help application writers
is the "struct sockaddr_storage". This data structure can simplify
writing code portable across multiple address families and platforms.
This data structure is designed with the following goals.

- It has a large enough implementation specific maximum size to store
  the desired set of protocol specific socket address data structures.
  Specifically, it is at least large enough to accommodate sockaddr_in

and sockaddr_in6 and possibly other protocol specific socket
  addresses too.

- It is aligned at an appropriate boundary so protocol specific socket
  address data structure pointers can be cast to it and access their
  fields without alignment problems. (e.g. pointers to sockaddr_in6
  and/or sockaddr_in can be cast to it and access fields without alignment

  problems).
- It has the initial field(s) isomorphic to the fields of the
  "struct sockaddr" data structure on that implementation which
  can be used as a discriminants for deriving the protocol in use.
  These initial field(s) would on most implementations either be a
  single field of type "sa_family_t" (isomorphic to sa_family field,
  16 bits) or two fields of type uint8_t and sa_family_t respectively,
  (isomorphic to sa_len and sa_family_t,
8 bits each).

An example implementation design of such a data structure would be as
follows.

```
/*
* Desired design of maximum size and alignment
*/
#define _SS_MAXSIZE    128  /* Implementation specific max size */
#define _SS_ALIGNSIZE  (sizeof (int64_t))
                    /* Implementation specific desired alignment */
/*
* Definitions used for sockaddr_storage structure paddings design.
*/
#define _SS_PAD1SIZE   (_SS_ALIGNSIZE - sizeof (sa_family_t))
#define _SS_PAD2SIZE   (_SS_MAXSIZE - (sizeof (sa_family_t)+
                        _SS_PAD1SIZE + _SS_ALIGNSIZE))
struct sockaddr_storage {
  sa_family_t  __ss_family;     /* address family */
  /* Following fields are implementation specific */
  char      __ss_pad1[_SS_PAD1SIZE];
          /* 6 byte pad, this is to make implementation
          /* specific pad up to alignment field that */
          /* follows explicit in the data structure */
  int64_t   __ss_align;     /* field to force
 desired structure */
           /* storage alignment */
  char      __ss_pad2[_SS_PAD2SIZE];
```

```
        /* 112 byte pad to achieve desired size, */
        /* _SS_MAXSIZE value minus size of ss_family */
        /* __ss_pad1, __ss_align fields is 112 */
};
```

On implementations where sockaddr data structure includes a "sa_len", field this data structure would look like this:

```
/*
* Definitions used for sockaddr_storage structure paddings design.
*/
#define _SS_PAD1SIZE (_SS_ALIGNSIZE -
                    (sizeof (uint8_t) + sizeof (sa_family_t))
#define _SS_PAD2SIZE (_SS_MAXSIZE - (sizeof (sa_family_t)+
                      _SS_PAD1SIZE + _SS_ALIGNSIZE))
struct sockaddr_storage {
  uint8_t      __ss_len;       /* address length */
  sa_family_t  __ss_family;    /* address family */
  /* Following fields are implementation specific */
  char         __ss_pad1[_SS_PAD1SIZE];
            /* 6 byte pad, this is to make implementation
             /* specific pad up to alignment field that */
            /* follows explicit in the data structure */
  int64_t      __ss_align;  /* field to force desired structure */
```



```
            /* storage alignment */
  char         __ss_pad2[_SS_PAD2SIZE];
            /* 112 byte pad to achieve desired size, */
            /* _SS_MAXSIZE value minus size of ss_len, */
            /* __ss_family, __ss_pad1, __ss_align fields is 112 */
};
```

The above example implementation illustrates a data structure which will align on a 64 bit boundary. An implementation specific field "__ss_align" along "__ss_pad1" is used to force a 64-bit alignment which covers proper alignment good enough for needs of sockaddr_in6 (IPv6), sockaddr_in (IPv4) address data structures. The size of padding fields __ss_pad1 depends
on the chosen alignment boundary. The size of padding field __ss_pad2 depends on the value of overall size chosen for the total size of the structure. This size and alignment are represented in

the above example by implementation specific (not required) constants _SS_MAXSIZE (chosen value 128) and _SS_ALIGNMENT (with chosen value 8). Constants _SS_PAD1SIZE (derived value 6) and _SS_PAD2SIZE (derived value 112) are also for illustration and not required. The implementation specific definitions and structure field names above start with an underscore to denote implementation private namespace. Portable code is not expected to access or reference those fields or constants.

The sockaddr_storage structure solves the problem of declaring storage for automatic variables which is large enough and aligned enough for storing socket address data structure of any family. For example, code with a file descriptor and without the context of the address family can pass a pointer to a variable of
this type where a pointer to a socket
address structure is expected in calls such as getpeername() and determine the address family by accessing the received content after the call.

The sockaddr_storage structure may also be useful and applied to certain other interfaces where a generic socket address large enough and aligned for use with multiple address families may be needed. A discussion of those interfaces is outside the scope of this document.

Also, much existing code assumes that any socket address structure can fit in a generic sockaddr structure. While this has been true for IPv4 socket address structures, it has always been false for Unix domain socket address structures (but in practice this has not been a problem) and it is also false for IPv6 socket address structures (which can be a problem).

So now an application can do the following:

```
struct sockaddr_storage __ss;
struct sockaddr_in6 *sin6;
sin6 = (struct sockaddr_in6 *) &__ss;
```

4. Interface Identification

This
API uses an interface index (a small positive integer) to identify the local interface on which a multicast group is joined (Section 5.3). Additionally, the advanced API [4] uses these same interface indexes to identify the interface on which a datagram is received, or to specify

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the interface on which a datagram is to be sent.

Interfaces are normally known by names such as "le0", "sl1", "ppp2", and the like. On Berkeley-derived implementations, when an interface is made known to the system, the kernel assigns a unique positive integer value (called the interface index) to that interface. These are small positive integers that start at 1. (Note that 0 is never used for an interface index.) There may be gaps so that there is no current interface for a particular positive interface index.

This API defines two functions that
map between an interface name and
index, a third function that returns all the interface names and indexes, and a fourth function to return the dynamic memory allocated by the previous function. How these functions are implemented is left up to the implementation. 4.4BSD implementations can implement these functions using the existing sysctl() function with the NET_RT_IFLIST command. Other implementations may wish to use ioctl() for this purpose.

4.1 Name-to-Index

The first function maps an interface name into its corresponding index.

```
#include <net/if.h>

unsigned int  if_nametoindex(const char *ifname);
```

If the specified interface name does not exist, the return value is 0, and errno is set to ENXIO. If there was a system error (such as running out of memory), the return value is 0 and errno is set to the proper value (e.g., ENOMEM).

4.2 Index-to-Name

The second function maps an interface index into its corresponding name.

```
#include <net/if.h>
```

```
 char  *if_indextoname(unsigned
int ifindex, char *ifname);
```

The ifname argument must point to a buffer of at least IF_NAMESIZE bytes into which the interface name corresponding to the specified index is returned. (IF_NAMESIZE is also defined in <net/if.h> and its value includes a terminating null byte at the end of the interface name.) This pointer is also the return value of the function. If there is no interface corresponding to the specified index, NULL is returned, and errno is set to ENXIO, if there was a system error (such as running out of memory), if_indextoname returns NULL and errno would be set to the proper value (e.g., ENOMEM).

4.3 Return All Interface Names and Indexes

The if_nameindex structure holds the information about a single interface and is defined as a result of including the <net/if.h> header.

```
struct if_nameindex {
   unsigned int   if_index;  /* 1, 2, ... */
  char         *if_name;   /* null terminated name: "le0", ... */
};
```

The final function returns an array of if_nameindex structures, one structure per interface.

```
 struct if_nameindex  *if_nameindex(void);
```

The end of the array of structures is indicated by a structure with an if_index of 0 and an if_name of NULL. The function returns a NULL pointer upon an error, and would set errno to the appropriate value.

The memory used for this array of structures along with the interface names pointed to by the if_name members is obtained dynamically. This memory is freed by the next function.

4.4 Free Memory

The following function frees the dynamic memory that was allocated by if_nameindex().

```
#include <net/if.h>

void  if_freenameindex(struct if_nameindex *ptr);
```

The argument to this function must be a pointer that was returned by if_nameindex().

Currently net/if.h doesn't have prototype definitions for functions and it is
recommended that these definitions be defined in net/if.h as well and the struct if_nameindex{}.

5. Socket Options

A number of new socket options are defined for IPv6. All of these new options are at the IPPROTO_IPV6 level. That is, the "level" parameter in the getsockopt() and setsockopt() calls is IPPROTO_IPV6 when using these options. The constant name prefix IPV6_ is used in all of the new socket options. This serves to clearly identify these options as applying to IPv6.

The declaration for IPPROTO_IPV6, the new IPv6 socket options, and related constants defined in this section are obtained by including the header <netinet/in.h>.

5.1 Unicast Hop Limit

A new setsockopt() option controls the hop limit used in outgoing unicast IPv6 packets. The name of this option is IPV6_UNICAST_HOPS, and

it is used at the IPPROTO_IPV6
layer. The following example illustrates
how it is used:

```
int  hoplimit = 10;

if (setsockopt(s, IPPROTO_IPV6, IPV6_UNICAST_HOPS,
            (char *) &hoplimit, sizeof(hoplimit)) == -1)
    perror("setsockopt IPV6_UNICAST_HOPS");
```

When the IPV6_UNICAST_HOPS option is set with setsockopt(), the option value given is used as the hop limit for all subsequent unicast packets sent via that socket. If the option is not set, the system selects a default value. The integer hop limit value (called x) is interpreted as follows:

```
x < -1:        return an error of EINVAL
x == -1:       use kernel default
0 <= x <= 255: use x
x >= 256:      return an error of EINVAL
```

The IPV6_UNICAST_HOPS option may be used with getsockopt() to determine the hop limit value that the system will use for subsequent unicast packets sent via that socket. For example:

```
int  hoplimit;
size_t  len = sizeof(hoplimit);

if (getsockopt(s, IPPROTO_IPV6, IPV6_UNICAST_HOPS,

    (char *) &hoplimit, &len) == -1)
    perror("getsockopt IPV6_UNICAST_HOPS");
else
    printf("Using %d for hop limit.\n", hoplimit);
```

5.2 Sending and Receiving Multicast Packets

IPv6 applications may send UDP multicast packets by simply specifying an IPv6 multicast address in the address argument of the sendto() function.

Three socket options at the IPPROTO_IPV6 layer control some of the parameters for sending multicast packets. Setting these options is not required: applications may send multicast packets without using these options. The setsockopt() options for controlling the sending of multicast packets are summarized below. These three options can also be used with getsockopt().

IPV6_MULTICAST_IF

Set the interface to use for outgoing multicast packets.
The argument is the index of the interface to use.

Argument type: unsigned int

IPV6_MULTICAST_HOPS

Set the hop limit to use for outgoing multicast packets.
(Note a separate option - IPV6_UNICAST_HOPS - is
provided to set the hop limit to use for outgoing
unicast packets.)

The interpretation of the argument is the same
as for the IPV6_UNICAST_HOPS option:

x < -1: return an error of EINVAL
x == -1: use kernel default
0 <= x <= 255: use x
x >= 256: return an error of EINVAL

If IPV6_MULTICAST_HOPS is not set, the default is 1
(same as IPv4 today)

Argument type: int

IPV6_MULTICAST_LOOP

If a multicast datagram is sent to a group to which the sending host
itself belongs (on the outgoing interface), a copy of the datagram is
looped back by the IP layer for local delivery if this option is set to
1. If this option is set to 0 a copy is not looped back. Other option
values
return an error of EINVAL.

If IPV6_MULTICAST_LOOP is not set, the default is 1 (loopback; same as
IPv4 today).

Argument type: unsigned int

The reception of multicast packets is controlled by the two setsockopt() options summarized below. An error of EOPNOTSUPP is returned if these two options are used with getsockopt().

IPV6_JOIN_GROUP

Join a multicast group on a specified local interface.
If the interface index is specified as 0,
the kernel chooses the local interface.
For example, some kernels look up the multicast group
in the normal IPv6 routing table and using the resulting interface.

Argument type: struct ipv6_mreq

IPV6_LEAVE_GROUP

Leave a multicast group on a specified interface.

Argument type: struct ipv6_mreq

The argument type of both of these options is the ipv6_mreq structure, defined as a result of including the <netinet/in.h> header;

```
struct ipv6_mreq {
    struct in6_addr ipv6mr_multiaddr;
/* IPv6 multicast addr */
```



```
    unsigned int    ipv6mr_interface; /* interface index */
};
```

Note that to receive multicast datagrams a process must join the multicast group and bind the UDP port to which datagrams will be sent. Some processes also bind the multicast group address to the socket, in addition to the port, to prevent other datagrams destined to that same port from being delivered to the socket.

6. Library Functions

New library functions are needed to perform a variety of operations with IPv6 addresses. Functions are needed to lookup IPv6 addresses in the Domain Name System (DNS). Both forward lookup (nodename-to-address translation) and reverse lookup (address-to-nodename translation) need to be supported. Functions are also needed to convert IPv6 addresses between their binary and textual form.

We note that
the two existing functions, gethostbyname() and gethostbyaddr(), are left as-is. New functions are defined to handle both IPv4 and IPv6 addresses.

6.1 Nodename-to-Address Translation

The commonly used function gethostbyname() is inadequate for many applications, first because it provides no way for the caller to specify anything about the types of addresses desired (IPv4 only, IPv6 only, IPv4-mapped IPv6 are OK, etc.), and second because many implementations of this function are not thread safe. RFC 2133 defined a function named gethostbyname2() but this function was also inadequate, first because its use required setting a global option (RES_USE_INET6) when IPv6 addresses were required, and second because a flag argument is needed to provide the caller with additional control over the types of addresses required.

The following function is new and must be thread safe:

```
#include <sys/socket.h>
#include <netdb.h>

struct hostent *getipnodebyname(const char *name, int
af, int flags
                        int *error_num);
```

The name argument can be either a node name or a numeric address string (i.e., a dotted-decimal IPv4 address or an IPv6 hex address). The af argument specifies the address family, either AF_INET or AF_INET6. The error_num value is returned to the caller, via a pointer, with the appropriate error code in error_num, to support thread safe error code returns. error_num will be set to one of the following values:

HOST_NOT_FOUND

No such host is known.

NO_ADDRESS

The server recognised the request and the name but no address is available. Another type of request to the name server for the domain might return an answer.

NO_RECOVERY

An unexpected server failure occurred which cannot be recovered.

TRY_AGAIN

A temporary and possibly transient error occurred, such as a failure of a server to respond.

The flags argument specifies the types of addresses that are searched for, and the types of addresses that are returned. We note that a special flags value of AI_DEFAULT (defined below) should handle most applications.

That is, porting simple applications to use IPv6 replaces the call

```
hptr = gethostbyname(name);
```

with

```
hptr = getipnodebyname(name, AF_INET6, AI_DEFAULT, &error_num);
```

and changes any subsequent error diagnosis code to use error_num instead of externally declared variables, such as h_errno.

Applications desiring finer control over the types of addresses searched for and returned, can specify other combinations of the flags argument.

A flags of 0 implies a strict interpretation of the af argument:

- If flags is 0 and af is AF_INET, then the caller wants only IPv4

addresses. A query is made for A records. If successful, the IPv4 addresses are returned and the h_length
member of the hostent
structure will be 4, else the function returns a NULL pointer.

- If flags is 0 and if af is AF_INET6, then the caller wants only IPv6 addresses. A query is made for AAAA records. If successful, the IPv6 addresses are returned and the h_length member of the hostent structure will be 16, else the function returns a NULL pointer.

Other constants can be logically-ORed into the flags argument, to modify the behavior of the function.

- If the AI_V4MAPPED flag is specified along with an af of AF_INET6, then the caller will accept IPv4-mapped IPv6 addresses. That is, if no AAAA records are found then a query is made for A records and any found are returned as IPv4-mapped IPv6 addresses (h_length will be 16). The AI_V4MAPPED flag is ignored unless af equals AF_INET6.

- The AI_ALL flag is used in conjunction with the AI_V4MAPPED flag, and is only used with the IPv6 address family. When AI_ALL is logically or'd with AI_V4MAPPED flag then the caller wants all addresses: IPv6 and IPv4-mapped IPv6. A query is first made for AAAA records and if successful, the IPv6 addresses are returned. Another query is then made for A records and any found are returned as IPv4-mapped IPv6 addresses. h_length will be 16. Only if both queries fail does the function return a NULL pointer. This flag is ignored unless af equals AF_INET6.

- The AI_ADDRCONFIG flag specifies that a query for AAAA records should occur only if the node has at least one IPv6 source address configured and a query for A records should occur only if the node has at least one IPv4 source address configured.

  For example, if the node has no IPv6 source addresses configured, and af equals

AF_INET6, and the node name being looked up has both
AAAA and A records, then:

(a) if only AI_ADDRCONFIG is specified, the function returns a
NULL pointer;
(b) if AI_ADDRCONFIG | AI_V4MAPPED is specified, the A records
are returned as IPv4-mapped IPv6 addresses;

The special flags value of AI_DEFAULT is defined as

```
#define  AI_DEFAULT  (AI_V4MAPPED | AI_ADDRCONFIG)
```

We noted that the getipnodebyname() function must allow the name argument to be either a node name or a literal address string (i.e., a dotted-decimal IPv4 address or an IPv6 hex address). This saves applications from having to call inet_pton() to handle literal address strings.

There are four scenarios based on the type of literal address string and the value of the af argument.

The two simple cases are:

When name is a dotted-decimal IPv4 address and af equals AF_INET, or when name is an IPv6 hex address and af equals AF_INET6. The members of the returned hostent
structure are: h_name points to a copy of the name argument, h_aliases is a NULL pointer, h_addrtype is a copy of the af argument, h_length is either 4 (for AF_INET) or 16 (for AF_INET6), h_addr_list[0] is a pointer to the 4-byte or 16-byte binary address, and h_addr_list[1] is a NULL pointer.

When name is a dotted-decimal IPv4 address and af equals AF_INET6, and flags equals AI_V4MAPPED, an IPv4-mapped IPv6 address is returned: h_name points to an IPv6 hex address containing the IPv4-mapped IPv6 address, h_aliases is a NULL pointer, h_addrtype is AF_INET6, h_length is 16, h_addr_list[0] is a pointer to the 16-byte binary address, and h_addr_list[1] is a NULL pointer. If AI_V4MAPPED is set (with or without AI_ALL) return IPv4-mapped otherwise return NULL.

It is an error when name is an IPv6 hex address and af equals AF_INET. The function's return value is a NULL pointer and error_num equals HOST_NOT_FOUND.

6.2 Address-To-Nodename Translation

The following function has the same arguments as the existing gethostbyaddr() function, but adds an error number.

```
#include <sys/socket.h>
#include <netdb.h>

struct hostent *getipnodebyaddr(const void *src, size_t len, int af,
                                int *error_num);
```

As with getipnodebyname(), getipnodebyaddr() must be thread safe. The error_num value is returned to the caller with the appropriate error code, to support thread safe error code returns. The following error conditions may be returned for error_num:

HOST_NOT_FOUND

No such host is known.

NO_ADDRESS

The server recognized the request and the name but no address is available. Another type of request to the name server for the domain might return an answer.

NO_RECOVERY

An unexpected server failure occurred which cannot be recovered.

TRY_AGAIN

A temporary and possibly transient error occurred, such as a failure of a server to respond.

One possible source of confusion is the handling of IPv4-mapped IPv6 addresses and IPv4-compatible IPv6 addresses, but the following logic should apply.

1. If af is AF_INET6, and if len equals 16, and if the IPv6 address is an IPv4-mapped IPv6 address or an IPv4-compatible IPv6 address, then skip over the first 12 bytes of the IPv6 address, set af to AF_INET, and set len to 4.

2. If af is AF_INET, lookup the name for the given IPv4 address
   (e.g., query for a PTR record in the in-addr.arpa domain).

3. If af is AF_INET6, lookup the name for the given IPv6 address
   (e.g., query for a PTR record in the ip6.int domain).

4. If the function is returning success, then the single address that
   is returned in the hostent structure is a copy of the first argument
   to the function with the same address family that was passed as

   an argument to this function.

All four steps listed are performed, in order. Also note that the IPv6
hex addresses "::" and "::1" MUST NOT be treated as IPv4-compatible

addresses, and if the address is "::", HOST_NOT_FOUND MUST be returned
and a query of the address not performed.

Also for the macro in section 6.7 IN6_IS_ADDR_V4COMPAT MUST return false
for "::" and "::1".

6.3 Freeing memory for getipnodebyname and getipnodebyaddr

The hostent structure does not change from its existing definition.
This structure, and the information pointed to by this structure, are
dynamically allocated by getipnodebyname and getipnodebyaddr. The
following function frees this memory:

```
#include <netdb.h>

void freehostent(struct hostent *ptr);
```

6.4 Protocol-Independent Nodename and Service Name Translation

Nodename-to-address translation

is done in a protocol-independent
fashion using the getaddrinfo() function that is taken from the
Institute of Electrical and Electronic Engineers (IEEE) POSIX 1003.1g
(Protocol Independent Interfaces) draft specification [3].

The official specification for this function will be the final POSIX
standard, with the following additional requirements:

- getaddrinfo() (along with the getnameinfo() function described in
  the next section) must be thread safe.

- The AI_NUMERICHOST is new with this document.

- All fields in socket address structures returned by getaddrinfo()
  that are not filled in through an explicit argument (e.g.,
  sin6_flowinfo and sin_zero) must be set to 0. (This makes it easier
  to compare socket address structures.)

- getaddrinfo() must fill in the length field of a socket address structure
  (e.g., sin6_len) on systems that support this field.

We are providing this independent description of the function because
POSIX
standards are not freely available (as are IETF documents).

```
#include <sys/socket.h>
#include <netdb.h>

int getaddrinfo(const char *nodename, const char *servname,
                const struct addrinfo *hints,
                struct addrinfo **res);
```

The addrinfo structure is defined as a result of including the <netdb.h>
header.

```
struct addrinfo {
```



```
    int     ai_flags;     /* AI_PASSIVE, AI_CANONNAME, AI_NUMERICHOST */
    int     ai_family;    /* PF_xxx */
    int     ai_socktype;  /* SOCK_xxx */
    int     ai_protocol;  /* 0 or IPPROTO_xxx for IPv4 and IPv6 */
```

```
  size_t  ai_addrlen;   /* length of ai_addr */
  char   *ai_canonname; /* canonical name for nodename */
  struct sockaddr  *ai_addr; /* binary address */
  struct addrinfo  *ai_next; /* next structure in linked list */
};
```

The return
value from the function is 0 upon success or a nonzero error
code. The following names are the nonzero error codes from
getaddrinfo(), and are defined in <netdb.h>:

```
EAI_ADDRFAMILY  address family for nodename not supported
EAI_AGAIN       temporary failure in name resolution
EAI_BADFLAGS    invalid value for ai_flags
EAI_FAIL        non-recoverable failure in name resolution
EAI_FAMILY      ai_family not supported
EAI_MEMORY      memory allocation failure
EAI_NODATA      no address associated with nodename
EAI_NONAME      nodename nor servname provided, or not known
EAI_SERVICE     servname not supported for ai_socktype
EAI_SOCKTYPE    ai_socktype not supported
EAI_SYSTEM      system error returned in errno
```

The nodename and servname arguments are pointers to null-terminated
strings or NULL. One or both of these two arguments must be a non-NULL
pointer. In the normal client scenario, both the nodename and servname
are specified. In the normal server
scenario, only the servname is
specified. A non-NULL nodename string can be either a node name or a
numeric host address string (i.e., a dotted-decimal IPv4 address or an
IPv6 hex address). A non-NULL servname string can be either a service
name or a decimal port number.

The caller can optionally pass an addrinfo structure, pointed to by the
third argument, to provide hints concerning the type of socket that the
caller supports. In this hints structure all members other than
ai_flags, ai_family, ai_socktype, and ai_protocol must be zero or a NULL
pointer. A value of PF_UNSPEC for ai_family means the caller will
accept any protocol family. A value of 0 for ai_socktype means the
caller will accept any socket type. A value of 0 for ai_protocol means
the caller will accept any protocol. For example, if the caller handles
only TCP and not UDP, then the ai_socktype member of the hints structure
should be set to SOCK_STREAM when getaddrinfo() is called. If the
caller handles only
IPv4 and not IPv6, then the ai_family member of the
hints structure should be set to PF_INET when getaddrinfo() is called.
If the third argument to getaddrinfo() is a NULL pointer, this is the
same as if the caller had filled in an addrinfo structure initialized to

zero with ai_family set to PF_UNSPEC.

Upon successful return a pointer to a linked list of one or more addrinfo structures is returned through the final argument. The caller can process each addrinfo structure in this list by following the ai_next pointer, until a NULL pointer is encountered. In each returned addrinfo structure the three members ai_family, ai_socktype, and ai_protocol are the corresponding arguments for a call to the socket() function. In each addrinfo structure the ai_addr member points to a

filled-in socket address structure whose length is specified by the
ai_addrlen member.

If the AI_PASSIVE bit is set in the ai_flags member of the hints structure, then the caller plans to use the returned socket address structure in a call to bind(). In this case, if the nodename argument is a NULL pointer, then the IP address portion of the socket address structure will be set to INADDR_ANY for an IPv4 address or IN6ADDR_ANY_INIT for an IPv6 address.

If the AI_PASSIVE bit is not set in the ai_flags member of the hints structure, then the returned socket address structure will be ready for a call to connect() (for a connection-oriented protocol) or either connect(), sendto(), or sendmsg() (for a connectionless protocol). In this case, if the nodename argument is a NULL pointer, then the IP address portion of the socket address structure will be set to the loopback address.

If the AI_CANONNAME bit is set in the ai_flags member of the hints structure, then upon successful return the ai_canonname member of the first addrinfo structure in the linked list will point to a null-terminated string containing the canonical name of the specified nodename.

If the AI_NUMERICHOST bit is set in the ai_flags member of the hints structure, then a non-NULL nodename string must be a numeric host address string. Otherwise an error of EAI_NONAME is returned. This flag prevents any type of name resolution service (e.g., the DNS) from being called.

All of the information returned by getaddrinfo() is dynamically allocated: the addrinfo structures, and the socket address structures and canonical node name strings pointed to by the addrinfo structures. To return this information to the system the function freeaddrinfo() is called:

```
#include <sys/socket.h>
#include <netdb.h>

void freeaddrinfo(struct addrinfo *ai);
```

The addrinfo structure pointed to by the ai argument is freed, along with any dynamic storage pointed to by the structure. This operation is repeated until a NULL ai_next pointer is encountered.

To aid applications in printing error messages based on the EAI_xxx codes returned by getaddrinfo(), the following function is defined.

```
#include <sys/socket.h>
#include <netdb.h>

char *gai_strerror(int ecode);
```

The argument is one of the EAI_xxx values defined earlier and the return value points to a string describing the error. If the argument is not one of the EAI_xxx values, the function still returns a pointer to a string whose contents indicate an unknown error.

6.5 Socket Address Structure to Nodename and Service Name

The POSIX 1003.1g specification includes no function to perform the reverse conversion from getaddrinfo(): to look up a nodename and service name, given the binary address and port. Therefore, we define the following function:

```
#include <sys/socket.h>
#include <netdb.h>
```

```
 int getnameinfo(const struct sockaddr *sa, socklen_t
salen,
                char *host, size_t hostlen,
                char *serv, size_t servlen,
                int flags);
```

This function looks up an IP address and port number provided by the caller in the DNS and system-specific database, and returns text strings for both in buffers provided by the caller. The function indicates successful completion by a zero return value; a non-zero return value indicates failure.

The first argument, sa, points to either a sockaddr_in structure (for IPv4) or a sockaddr_in6 structure (for IPv6) that holds the IP address and port number. The salen argument gives the length of the sockaddr_in or sockaddr_in6 structure.

The function returns the nodename associated with the IP address in the buffer pointed to by the host argument. The caller provides the size of this buffer via the hostlen argument. The service name associated with the port number is returned in the buffer pointed to by serv, and the servlen argument gives the length
of this buffer. The caller specifies
not to return either string by providing a zero value for the hostlen or servlen arguments. Otherwise, the caller must provide buffers large enough to hold the nodename and the service name, including the terminating null characters.

Unfortunately most systems do not provide constants that specify the maximum size of either a fully-qualified domain name or a service name. Therefore to aid the application in allocating buffers for these two returned strings the following constants are defined in <netdb.h>:

```
 #define NI_MAXHOST  1025
 #define NI_MAXSERV    32
```

The first value is actually defined as the constant MAXDNAME in recent versions of BIND's <arpa/nameser.h> header (older versions of BIND define this constant to be 256) and the second is a guess based on the services listed in the current Assigned Numbers RFC.

The final argument is a flag that changes the default actions of this function. By default the fully-qualified domain name (FQDN)
for the
host is looked up in the DNS and returned. If the flag bit NI_NOFQDN is set, only the nodename portion of the FQDN is returned for local hosts.

If the flag bit NI_NUMERICHOST is set, or if the host's name cannot be

located in the DNS, the numeric form of the host's address is returned instead of its name (e.g., by calling inet_ntop() instead of getipnodebyaddr()). If the flag bit NI_NAMEREQD is set, an error is

returned if the host's name cannot be located in the DNS.

If the flag bit NI_NUMERICSERV is set, the numeric form of the service address is returned (e.g., its port number) instead of its name. The two NI_NUMERICxxx flags are required to support the "-n" flag that many commands provide.

A fifth flag bit, NI_DGRAM, specifies that the service is a datagram service, and causes getservbyport() to be called with a second argument
of "udp" instead of its default of "tcp". This is required for the few ports (e.g. 512-514) that have different services for UDP and TCP.

These NI_xxx flags are defined in <netdb.h> along with the AI_xxx flags already defined for getaddrinfo().

6.6 Address Conversion Functions

The two functions inet_addr() and inet_ntoa() convert an IPv4 address between binary and text form. IPv6 applications need similar functions. The following two functions convert both IPv6 and IPv4 addresses:

```
#include <sys/socket.h>
#include <arpa/inet.h>

int inet_pton(int af, const char *src, void *dst);

const char *inet_ntop(int af, const void *src,
                      char *dst, size_t size);
```

The inet_pton() function converts an address in its standard text presentation form into its numeric binary form. The af argument specifies the family of the address. Currently the AF_INET and AF_INET6 address families are supported. The src argument points to the string being passed

in. The dst argument points to a buffer into which the function stores the numeric address. The address is returned in network byte order. Inet_pton() returns 1 if the conversion succeeds, 0 if the input is not a valid IPv4 dotted-decimal string or a valid IPv6 address string, or -1 with errno set to EAFNOSUPPORT if the af argument is unknown. The calling application must ensure that the buffer referred to by dst is large enough to hold the numeric address (e.g., 4 bytes for AF_INET or 16 bytes for AF_INET6).

If the af argument is AF_INET, the function accepts a string in the standard IPv4 dotted-decimal form:

ddd.ddd.ddd.ddd

where ddd is a one to three digit decimal number between 0 and 255. Note that many implementations of the existing inet_addr() and inet_aton() functions accept nonstandard input: octal numbers, hexadecimal numbers, and fewer than four numbers. inet_pton() does not accept these formats.

If the af argument is AF_INET6, then the function accepts a string in one of the standard IPv6 text forms defined in Section 2.2 of the addressing architecture specification [2].

The inet_ntop() function converts a numeric address into a text string suitable for presentation. The af argument specifies the family of the address. This can be AF_INET or AF_INET6. The src argument points to a buffer holding an IPv4 address if the af argument is AF_INET, or an IPv6 address if the af argument is AF_INET6, the address must be in network byte order. The dst argument points to a buffer where the function will store the resulting text string. The size argument specifies the size of this buffer. The application must specify a non-NULL dst argument. For IPv6 addresses, the buffer must be at least 46-octets. For IPv4 addresses, the buffer must be at least 16-octets. In order to allow applications to easily declare buffers of the proper size to store IPv4 and IPv6 addresses in string form, the following two constants are defined in <netinet/in.h>:

#define INET_ADDRSTRLEN 16

```
#define INET6_ADDRSTRLEN   46
```

The inet_ntop() function returns a pointer to the buffer containing the text string if the conversion succeeds, and NULL otherwise. Upon failure, errno is set to EAFNOSUPPORT if the af argument is invalid or ENOSPC if the size of the result buffer is inadequate.

6.7 Address Testing Macros

The following macros can be used to test for special IPv6 addresses.

```
#include <netinet/in.h>

int  IN6_IS_ADDR_UNSPECIFIED (const struct in6_addr *);
int  IN6_IS_ADDR_LOOPBACK    (const struct in6_addr *);
int  IN6_IS_ADDR_MULTICAST   (const struct in6_addr *);
int  IN6_IS_ADDR_LINKLOCAL   (const struct in6_addr *);
int  IN6_IS_ADDR_SITELOCAL   (const struct in6_addr *);
int  IN6_IS_ADDR_V4MAPPED    (const struct in6_addr *);
int  IN6_IS_ADDR_V4COMPAT    (const
struct in6_addr *);

int  IN6_IS_ADDR_MC_NODELOCAL(const struct in6_addr *);
int  IN6_IS_ADDR_MC_LINKLOCAL(const struct in6_addr *);
int  IN6_IS_ADDR_MC_SITELOCAL(const struct in6_addr *);
int  IN6_IS_ADDR_MC_ORGLOCAL (const struct in6_addr *);
int  IN6_IS_ADDR_MC_GLOBAL   (const struct in6_addr *);
```

The first seven macros return true if the address is of the specified type, or false otherwise. The last five test the scope of a multicast address and return true if the address is a multicast address of the specified scope or false if the address is either not a multicast address or not of the specified scope. Note that IN6_IS_ADDR_LINKLOCAL and IN6_IS_ADDR_SITELOCAL return true only for the two local-use IPv6 unicast addresses. These two macros do not return true for IPv6 multicast addresses of either link-local scope or site-local scope.

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7. Summary of New Definitions

The following list summarizes the constants, structure, and extern definitions discussed in this memo, sorted by header.

<net/if.h> IF_NAMESIZE
<net/if.h> struct if_nameindex{};

<netdb.h> AI_ADDRCONFIG
<netdb.h> AI_DEFAULT
<netdb.h> AI_ALL
<netdb.h> AI_CANONNAME
<netdb.h> AI_NUMERICHOST
<netdb.h> AI_PASSIVE
<netdb.h> AI_V4MAPPED
<netdb.h> EAI_ADDRFAMILY
<netdb.h> EAI_AGAIN
<netdb.h> EAI_BADFLAGS
<netdb.h> EAI_FAIL
<netdb.h> EAI_FAMILY
<netdb.h> EAI_MEMORY
<netdb.h> EAI_NODATA
<netdb.h> EAI_NONAME
<netdb.h> EAI_SERVICE
<netdb.h> EAI_SOCKTYPE
<netdb.h> EAI_SYSTEM
<netdb.h> NI_DGRAM
<netdb.h> NI_MAXHOST
<netdb.h> NI_MAXSERV
<netdb.h> NI_NAMEREQD
<netdb.h> NI_NOFQDN
<netdb.h> NI_NUMERICHOST
<netdb.h>
NI_NUMERICSERV
<netdb.h> struct addrinfo{};

<netinet/in.h> IN6ADDR_ANY_INIT
<netinet/in.h> IN6ADDR_LOOPBACK_INIT
<netinet/in.h> INET6_ADDRSTRLEN
<netinet/in.h> INET_ADDRSTRLEN
<netinet/in.h> IPPROTO_IPV6
<netinet/in.h> IPV6_JOIN_GROUP
<netinet/in.h> IPV6_LEAVE_GROUP

```
 <netinet/in.h>  IPV6_MULTICAST_HOPS
 <netinet/in.h>  IPV6_MULTICAST_IF
 <netinet/in.h>  IPV6_MULTICAST_LOOP
 <netinet/in.h>  IPV6_UNICAST_HOPS
 <netinet/in.h>  SIN6_LEN
 <netinet/in.h>  extern const struct in6_addr in6addr_any;
 <netinet/in.h>  extern const struct in6_addr in6addr_loopback;
 <netinet/in.h>  struct in6_addr{};
 <netinet/in.h>  struct ipv6_mreq{};
 <netinet/in.h>  struct sockaddr_in6{};

 <sys/socket.h>  AF_INET6
 <sys/socket.h>  PF_INET6
 <sys/socket.h>  struct sockaddr_storage;
```

The following list summarizes the function and macro prototypes

discussed in this memo, sorted by header.

```
 <arpa/inet.h>   int inet_pton(int, const char *, void *);
 <arpa/inet.h>   const char *inet_ntop(int, const void *,
                          char *, size_t);

 <net/if.h>      char *if_indextoname(unsigned int, char *);
 <net/if.h>      unsigned int if_nametoindex(const char *);
 <net/if.h>      void if_freenameindex(struct if_nameindex *);
 <net/if.h>      struct if_nameindex *if_nameindex(void);

 <netdb.h>       int getaddrinfo(const char *, const char *,
                         const struct addrinfo *,
                         struct addrinfo **);
 <netdb.h>       int getnameinfo(const struct sockaddr *, socklen_t,
                         char *, size_t, char *, size_t, int);
 <netdb.h>       void freeaddrinfo(struct addrinfo *);
 <netdb.h>       char *gai_strerror(int);
 <netdb.h>       struct hostent *getipnodebyname(const
char *, int, int,
                          int *);
 <netdb.h>       struct hostent *getipnodebyaddr(const void *, size_t, int,
                          int *);
```

<netdb.h> void freehostent(struct hostent *);

<netinet/in.h> int IN6_IS_ADDR_LINKLOCAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_LOOPBACK(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_MC_GLOBAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_MC_LINKLOCAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_MC_NODELOCAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_MC_ORGLOCAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_MC_SITELOCAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_MULTICAST(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_SITELOCAL(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_UNSPECIFIED(const struct in6_addr *);
<netinet/in.h>
int IN6_IS_ADDR_V4COMPAT(const struct in6_addr *);
<netinet/in.h> int IN6_IS_ADDR_V4MAPPED(const struct in6_addr *);

8. Security Considerations

IPv6 provides a number of new security mechanisms, many of which need to be accessible to applications. Companion memos detailing the extensions to the socket interfaces to support IPv6 security are being written.

9. Year 2000 Considerations

There are no issues for this draft concerning the Year 2000 issue regarding the use of dates.

Changes From RFC 2133

Changes made in the March 1998 Edition (-01 draft):

Changed all "hostname" to "nodename" for consistency with other IPv6 documents.

Section 3.3: changed comment for sin6_flowinfo to be "traffic class & flow info" and updated corresponding text description to current definition of these two fields.

Section 3.10 ("Portability Additions") is new.

Section 6: a new paragraph was added reiterating that the existing gethostbyname() and gethostbyaddr() are not changed.

Section 6.1: change gethostbyname3() to getnodebyname(). Add AI_DEFAULT to handle majority of applications. Renamed AI_V6ADDRCONFIG to AI_ADDRCONFIG and define it for A records and IPv4 addresses too. Defined exactly what getnodebyname() must return if the name argument is a numeric address string.

Section 6.2: change gethostbyaddr() to getnodebyaddr(). Reword items 2 and 3 in the description of how to handle IPv4-mapped and IPv4-compatible addresses to "lookup a name" for a given address, instead of specifying what type of DNS query to issue.

Section 6.3: added two more requirements to getaddrinfo().

Section 7: added the following constants to the list for <netdb.h>: AI_ADDRCONFIG, AI_ALL, and AI_V4MAPPED. Add union sockaddr_union and SA_LEN to the lists for <sys/socket.h>.

Updated references.

Changes made in the November 1997 Edition (-00 draft):

The data types have been changed to conform with Draft 6.6 of the Posix 1003.1g standard.

Section 3.2: data type of s6_addr changed to "uint8_t".

Section 3.3: data type of sin6_family changed to "sa_family_t". data type of sin6_port changed to "in_port_t", data type of sin6_flowinfo changed to "uint32_t".

Section 3.4: same as Section 3.3, plus data type of sin6_len changed to "uint8_t".

Section 6.2: first argument of gethostbyaddr() changed from "const

char *" to "const void *" and second argument changed from "int" to "size_t".

Section 6.4: second argument of getnameinfo() changed from "size_t" to "socklen_t".

The wording was changed when new structures were defined, to be more explicit as to which header must be included to define the structure:

Section 3.2 (in6_addr{}), Section 3.3 (sockaddr_in6{}), Section 3.4 (sockaddr_in6{}), Section 4.3 (if_nameindex{}), Section 5.3 (ipv6_mreq{}), and Section 6.3 (addrinfo{}).

Section 4: NET_RT_LIST changed to NET_RT_IFLIST.

Section 5.1: The IPV6_ADDRFORM socket option was removed.

Section 5.3: Added a note that an option value other than 0 or 1 for IPV6_MULTICAST_LOOP returns an error. Added a note that IPV6_MULTICAST_IF, IPV6_MULTICAST_HOPS, and IPV6_MULTICAST_LOOP can also be used with getsockopt(), but IPV6_ADD_MEMBERSHIP and IPV6_DROP_MEMBERSHIP cannot be used with getsockopt().

Section 6.1: Removed the description of gethostbyname2() and its associated RES_USE_INET6 option, replacing it with gethostbyname3().

Section 6.2: Added requirement that gethostbyaddr() be thread safe. Reworded step 4 to avoid using the RES_USE_INET6 option.

Section 6.3: Added the requirement that getaddrinfo()
and
getnameinfo() be thread safe. Added the AI_NUMERICHOST flag.

Section 6.6: Added clarification about IN6_IS_ADDR_LINKLOCAL and IN6_IS_ADDR_SITELOCAL macros.

Changes made to the draft -01 specification Sept 98

Changed priority to traffic class in the spec.

Added the need for scope identification in section 2.1.

Added sin6_scope_id to struct sockaddr_in6 in sections 3.3 and 3.4.

Changed 3.10 to use generic storage structure to support holding IPv6
addresses and removed the SA_LEN macro.

Distinguished between invalid input parameters and system failures
for Interface Identification in Section 4.1 and 4.2.

Added defaults for multicast operations in section 5.2 and changed
the names from ADD to JOIN and DROP to LEAVE to be consistent with
IPv6 multicast terminology.

Changed getnodebyname to getipnodebyname, getnodebyaddr to
getipnodebyaddr, and added MT safe error code to function parameters
in section 6.

Moved freehostent
to its own sub-section after getipnodebyaddr now
6.3 (so this bumps all remaining sections in section 6.

Clarified the use of AI_ALL and AI_V4MAPPED that these are dependent
on the AF parameter and must be used as a conjunction in section 6.1.

Removed the restriction that literal addresses cannot be used with a
flags argument in section 6.1.

Added Year 2000 Section to the draft

Deleted Reference to the following because the attached is deleted from
the ID directory and has expired. But the logic from the aforementioned
draft still applies, so that was kept in Section 6.2 bullets after 3rd
paragraph.

[7] P. Vixie, "Reverse Name Lookups of Encapsulated IPv4 Addresses
in IPv6", Internet-Draft, <draft-vixie-ipng-ipv4ptr-00.txt>,
May 1996.

Deleted the following reference as it is no
longer referenced.
And the draft has expired.

[3] D. McDonald, "A Simple IP Security API Extension to BSD Sockets",
Internet-Draft, <draft-mcdonald-simple-ipsec-api-01.txt>,
March 1997.

Deleted the following reference as it is no longer referenced.

[4] C. Metz, "Network Security API for Sockets",
Internet-Draft, <draft-metz-net-security-api-01.txt>,
January 1998.

Update current references to current status.

Added alignment notes for in6_addr and sin6_addr.

Clarified further that AI_V4MAPPED must be used with a dotted IPv4 literal address for getipnodebyname(), when address family is AF_INET6.

Added text to clarify "::" and "::1" when used by getipnodebyaddr().

Acknowledgments

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The getaddrinfo() and getnameinfo() functions are taken from an earlier Internet Draft by Keith Sklower. As noted in that draft, William Durst, Steven Wise, Michael Karels, and Eric Allman provided many useful discussions on the subject of protocol-independent name-to-address translation, and reviewed early versions of Keith Sklower's original proposal. Eric Allman implemented the first prototype of getaddrinfo(). The observation that specifying the pair of name and service would suffice for connecting to a service independent of protocol details was made by Marshall Rose in a proposal to X/Open for a "Uniform Network Interface".

Craig Metz, Jack McCann, Erik Nordmark, Tim Hartrick, and Mukesh Kacker made many contributions to this document. Ramesh Govindan made a number

of contributions and co-authored an earlier version of this memo.

References

[1] S. Deering, R. Hinden, "Internet Protocol, Version 6 (IPv6) Specification", RFC 2460 Draft Standard.

[2] R. Hinden, S. Deering, "IP Version 6 Addressing Architecture", RFC 2373, July 1998 Draft Standard.

[3] IEEE, "Protocol Independent Interfaces", IEEE Std 1003.1g, DRAFT 6.6, March 1997.

[4] W. Stevens, M. Thomas, "Advanced Sockets API for IPv6", RFC 2292, February 1998.

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./CHANGES X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./CONTRIBUTING X 2018,2019,2020,2021,2022
./CONTRIBUTING.md MKD 2018,2019,2020,2021,2022
./COPYRIGHT TXT.TOP
1996,1997,1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./EXCLUDED X 2017,2018,2019,2020,2021,2022
./HISTORY X 2010,2013,2016,2017,2018,2019,2020,2021,2022
./HISTORY.md MKD 2017,2018,2019,2020,2021,2022
./Kyuafile X 2017,2018,2019,2020,2021,2022
./LICENSE X 2016,2018,2019,2020,2021,2022
./Makefile.in MAKE
1998,1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./OPTIONS X 2017,2018,2019,2020,2021,2022
./OPTIONS.md MKD 2017,2018,2019,2020,2021,2022
./README X
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./README.md MKD 2017,2018,2019,2020,2021,2022
./acconfig.h C 1999,2000,2001,2002,2003,2004,2005,2007,2008,2012,2014,2016,2018,2019,2020,2021,2022
./aclocal.m4 X 1999,2000,2001,2012,2014,2018,2019,2020,2021,2022

./autogen.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/Makefile.in MAKE 1998,1999,2000,2001,2004,2007,2009,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/Makefile.in MAKE
2000,2001,2002,2003,2004,2005,2006,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/check/check-tool.c C
2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/check/check-tool.h C 2000,2001,2002,2004,2005,2007,2010,2011,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/named-checkconf.8 MAN DOCBOOK
./bin/check/named-checkconf.c C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/check/named-checkconf.docbook SGML
2000,2001,2002,2004,2005,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/check/named-checkconf.html HTML DOCBOOK
./bin/check/named-checkzone.8 MAN DOCBOOK
./bin/check/named-checkzone.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/check/named-checkzone.docbook SGML
2000,2001,2002,2004,2005,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/check/named-checkzone.html HTML DOCBOOK
./bin/check/win32/checkconf.dsp.in X 2001,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/win32/checkconf.dsw X 2001,2013,2018,2019,2020,2021,2022
./bin/check/win32/checkconf.mak.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/win32/checkconf.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/check/win32/checkconf.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/check/win32/checkconf.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/check/win32/checktool.dsp.in X 2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/win32/checktool.dsw X 2006,2018,2019,2020,2021,2022
./bin/check/win32/checktool.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/check/win32/checktool.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/check/win32/checktool.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/check/win32/checkzone.dsp.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/win32/checkzone.dsw X 2001,2013,2018,2019,2020,2021,2022
./bin/check/win32/checkzone.mak.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/check/win32/checkzone.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/check/win32/checkzone.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/check/win32/checkzone.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/confgen/Makefile.in MAKE 2009,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/confgen/ddns-confgen.8 MAN DOCBOOK
./bin/confgen/ddns-confgen.c C 2009,2011,2014,2016,2018,2019,2020,2021,2022
./bin/confgen/ddns-confgen.docbook SGML 2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/confgen/ddns-confgen.html HTML DOCBOOK
./bin/confgen/include/confgen/os.h C 2009,2016,2018,2019,2020,2021,2022
./bin/confgen/keygen.c C 2009,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/confgen/keygen.h C 2009,2016,2018,2019,2020,2021,2022
./bin/confgen/rndc-confgen.8 MAN DOCBOOK

./bin/confgen/rndc-confgen.c C
2001,2003,2004,2005,2007,2008,2009,2011,2013,2014,2016,2018,2019,2020,2021,2022
./bin/confgen/rndc-confgen.docbook SGML
2001,2003,2004,2005,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/confgen/rndc-confgen.html HTML DOCBOOK
./bin/confgen/unix/Makefile.in MAKE 2009,2012,2016,2018,2019,2020,2021,2022
./bin/confgen/unix/os.c C 2009,2016,2018,2019,2020,2021,2022
./bin/confgen/util.c C 2009,2015,2016,2018,2019,2020,2021,2022
./bin/confgen/util.h C 2009,2016,2018,2019,2020,2021,2022
./bin/confgen/win32/confgentool.dsp.in X 2009,2013,2018,2019,2020,2021,2022
./bin/confgen/win32/confgentool.dsw X 2009,2018,2019,2020,2021,2022
./bin/confgen/win32/confgentool.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/confgen/win32/confgentool.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/confgen/win32/confgentool.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/confgen/win32/ddnsconfgen.dsp.in X 2009,2013,2018,2019,2020,2021,2022
./bin/confgen/win32/ddnsconfgen.dsw X 2009,2018,2019,2020,2021,2022
./bin/confgen/win32/ddnsconfgen.mak.in X 2009,2013,2018,2019,2020,2021,2022
./bin/confgen/win32/ddnsconfgen.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/confgen/win32/ddnsconfgen.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/confgen/win32/ddnsconfgen.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/confgen/win32/os.c C 2009,2016,2018,2019,2020,2021,2022
./bin/confgen/win32/rndcconfgen.dsp.in X 2001,2009,2013,2018,2019,2020,2021,2022
./bin/confgen/win32/rndcconfgen.dsw X 2001,2004,2005,2006,2009,2018,2019,2020,2021,2022
./bin/confgen/win32/rndcconfgen.mak.in X 2001,2004,2005,2006,2009,2013,2018,2019,2020,2021,2022
./bin/confgen/win32/rndcconfgen.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/confgen/win32/rndcconfgen.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/confgen/win32/rndcconfgen.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/delv/Makefile.in MAKE 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/delv/delv.1 MAN DOCBOOK
./bin/delv/delv.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/delv/delv.docbook SGML 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/delv/delv.html HTML DOCBOOK
./bin/delv/win32/delv.dsp.in X 2014,2016,2018,2019,2020,2021,2022
./bin/delv/win32/delv.dsw X 2014,2018,2019,2020,2021,2022
./bin/delv/win32/delv.mak.in X 2014,2016,2018,2019,2020,2021,2022
./bin/delv/win32/delv.vcxproj.filters.in X 2014,2015,2018,2019,2020,2021,2022
./bin/delv/win32/delv.vcxproj.in X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/delv/win32/delv.vcxproj.user X 2014,2018,2019,2020,2021,2022
./bin/dig/Makefile.in MAKE
2000,2001,2002,2004,2005,2007,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/dig.1 MAN DOCBOOK
./bin/dig/dig.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/dig.docbook SGML
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/dig.html HTML DOCBOOK

./bin/dig/dighost.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
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2000,2001,2002,2003,2004,2005,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/host.docbook SGML
2000,2001,2002,2004,2005,2007,2008,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/host.html HTML DOCBOOK
./bin/dig/include/dig/dig.h C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/nslookup.1 MAN DOCBOOK
./bin/dig/nslookup.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/nslookup.docbook SGML
2004,2005,2006,2007,2010,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/nslookup.html HTML DOCBOOK
./bin/dig/win32/dig.dsp.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/dig.dsw X 2001,2018,2019,2020,2021,2022
./bin/dig/win32/dig.mak.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/dig.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dig/win32/dig.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/win32/dig.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dig/win32/dighost.dsp.in X 2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/dighost.dsw X 2006,2018,2019,2020,2021,2022
./bin/dig/win32/dighost.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dig/win32/dighost.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/win32/dighost.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dig/win32/host.dsp.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/host.dsw X 2001,2018,2019,2020,2021,2022
./bin/dig/win32/host.mak.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/host.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dig/win32/host.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/win32/host.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dig/win32/nslookup.dsp.in X 2001,2002,2004,2005,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/nslookup.dsw X 2001,2018,2019,2020,2021,2022
./bin/dig/win32/nslookup.mak.in X 2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dig/win32/nslookup.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dig/win32/nslookup.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dig/win32/nslookup.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/Makefile.in MAKE
2000,2001,2002,2004,2005,2007,2008,2009,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-dsfromkey.8 MAN DOCBOOK
./bin/dnssec/dnssec-dsfromkey.c C 2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-dsfromkey.docbook SGML

2008,2009,2010,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-dsfromkey.html HTML DOCBOOK
./bin/dnssec/dnssec-importkey.8 MAN DOCBOOK
./bin/dnssec/dnssec-importkey.c C 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-importkey.docbook SGML 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-importkey.html HTML DOCBOOK
./bin/dnssec/dnssec-keyfromlabel.8 MAN DOCBOOK
./bin/dnssec/dnssec-keyfromlabel.c C
2007,2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-keyfromlabel.docbook SGML
2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-keyfromlabel.html HTML DOCBOOK
./bin/dnssec/dnssec-keygen.8 MAN DOCBOOK
./bin/dnssec/dnssec-keygen.c C.NAI
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./bin/dnssec/dnssec-keygen.docbook SGML
2000,2001,2002,2003,2004,2005,2007,2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./bin/dnssec/dnssec-keygen.html HTML DOCBOOK
./bin/dnssec/dnssec-revoke.8 MAN DOCBOOK
./bin/dnssec/dnssec-revoke.c C 2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-revoke.docbook SGML 2009,2011,2014,2015,2016,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-revoke.html HTML DOCBOOK
./bin/dnssec/dnssec-settime.8 MAN DOCBOOK
./bin/dnssec/dnssec-settime.c C 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-settime.docbook SGML 2009,2010,2011,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-settime.html HTML DOCBOOK
./bin/dnssec/dnssec-signzone.8 MAN DOCBOOK
./bin/dnssec/dnssec-signzone.c C.NAI
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./bin/dnssec/dnssec-signzone.docbook SGML
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./bin/dnssec/dnssec-signzone.html HTML DOCBOOK
./bin/dnssec/dnssec-verify.8 MAN DOCBOOK
./bin/dnssec/dnssec-verify.c C 2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-verify.docbook SGML 2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/dnssec/dnssec-verify.html HTML DOCBOOK
./bin/dnssec/dnssectool.c C
2000,2001,2003,2004,2005,2007,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/dnssectool.h C
2000,2001,2003,2004,2007,2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/dnssectool.dsp.in X 2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/dnssectool.dsw X 2006,2009,2018,2019,2020,2021,2022
./bin/dnssec/win32/dnssectool.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/dnssectool.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022

./bin/dnssec/win32/dnssectool.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/dsfromkey.dsp.in X 2008,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/dsfromkey.dsw X 2008,2018,2019,2020,2021,2022
./bin/dnssec/win32/dsfromkey.mak.in X 2008,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/dsfromkey.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/dsfromkey.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/dsfromkey.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/importkey.dsp.in X 2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/importkey.dsw X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/importkey.mak.in X 2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/importkey.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/importkey.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/importkey.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/keyfromlabel.dsp.in X 2008,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/keyfromlabel.dsw X 2008,2018,2019,2020,2021,2022
./bin/dnssec/win32/keyfromlabel.mak.in X 2008,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/keyfromlabel.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/keyfromlabel.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/keyfromlabel.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/keygen.dsp.in X 2001,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/keygen.dsw X 2001,2018,2019,2020,2021,2022
./bin/dnssec/win32/keygen.mak.in X 2001,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/keygen.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/keygen.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/keygen.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/revoke.dsp.in X 2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/revoke.dsw X 2009,2018,2019,2020,2021,2022
./bin/dnssec/win32/revoke.mak.in X 2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/revoke.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/revoke.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/revoke.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/settime.dsp.in X 2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/settime.dsw X 2009,2018,2019,2020,2021,2022
./bin/dnssec/win32/settime.mak.in X 2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/settime.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/settime.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/settime.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/signzone.dsp.in X 2001,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/signzone.dsw X 2001,2018,2019,2020,2021,2022
./bin/dnssec/win32/signzone.mak.in X 2001,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/signzone.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/signzone.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/dnssec/win32/signzone.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/verify.dsp.in X 2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/verify.dsw X 2013,2018,2019,2020,2021,2022
./bin/dnssec/win32/verify.mak.in X 2013,2014,2016,2018,2019,2020,2021,2022
./bin/dnssec/win32/verify.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/dnssec/win32/verify.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022

./bin/dnssec/win32/verify.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/named/Makefile.in MAKE
1998,1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/bind9.xsl SGML 2006,2007,2008,2009,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/bind9.xsl.h X 2007,2008,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/builtin.c C
2001,2002,2003,2004,2005,2007,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/client.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/config.c C
2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/control.c C
2001,2002,2003,2004,2005,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/controlconf.c C
2001,2002,2003,2004,2005,2006,2007,2008,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/convertxsl.pl PERL 2006,2007,2008,2012,2014,2016,2018,2019,2020,2021,2022
./bin/named/fuzz.c C 2016,2018,2019,2020,2021,2022
./bin/named/geoip.c C 2013,2014,2016,2018,2019,2020,2021,2022
./bin/named/include/dlz/dlz_dlopen_driver.h C 2011,2016,2018,2019,2020,2021,2022
./bin/named/include/named/builtin.h C 2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/client.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/include/named/config.h C 2001,2002,2004,2005,2006,2007,2009,2013,2016,2018,2019,2020,2021,2022
./bin/named/include/named/control.h C
2001,2002,2003,2004,2005,2006,2007,2009,2010,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/include/named/fuzz.h C 2016,2018,2019,2020,2021,2022
./bin/named/include/named/geoip.h C 2013,2016,2018,2019,2020,2021,2022
./bin/named/include/named/globals.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/include/named/interfacemgr.h C
1999,2000,2001,2002,2004,2005,2007,2011,2013,2014,2016,2018,2019,2020,2021,2022
./bin/named/include/named/listenlist.h C 2000,2001,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./bin/named/include/named/log.h C
1999,2000,2001,2002,2004,2005,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/include/named/logconf.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/lwaddr.h C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/lwdclient.h C 2000,2001,2004,2005,2007,2009,2015,2016,2018,2019,2020,2021,2022
./bin/named/include/named/lwresd.h C 2000,2001,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./bin/named/include/named/lwsearch.h C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/main.h C
1999,2000,2001,2002,2004,2005,2007,2009,2013,2015,2016,2018,2019,2020,2021,2022
./bin/named/include/named/notify.h C 1999,2000,2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./bin/named/include/named/ns_smf_globals.h C 2005,2007,2014,2016,2018,2019,2020,2021,2022

./bin/named/include/named/query.h C
1999,2000,2001,2002,2004,2005,2007,2010,2011,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/include/named/seccomp.h C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/named/include/named/server.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/include/named/sortlist.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/statschannel.h C 2008,2016,2018,2019,2020,2021,2022
./bin/named/include/named/tkeyconf.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/tsigconf.h C
1999,2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./bin/named/include/named/types.h C
1999,2000,2001,2004,2005,2006,2007,2008,2009,2015,2016,2018,2019,2020,2021,2022
./bin/named/include/named/update.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/xfrout.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/include/named/zoneconf.h C
1999,2000,2001,2002,2004,2005,2006,2007,2010,2011,2015,2016,2018,2019,2020,2021,2022
./bin/named/interfacemgr.c C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/listenlist.c C 2000,2001,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./bin/named/log.c C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/named/logconf.c C
1999,2000,2001,2004,2005,2006,2007,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/lwaddr.c C 2000,2001,2004,2005,2007,2008,2014,2016,2018,2019,2020,2021,2022
./bin/named/lwdclient.c C 2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./bin/named/lwderror.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/lwdgabn.c C 2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./bin/named/lwdgnba.c C 2000,2001,2002,2004,2005,2007,2008,2014,2016,2018,2019,2020,2021,2022
./bin/named/lwdgrbn.c C
2000,2001,2003,2004,2005,2006,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/lwdnoop.c C 2000,2001,2004,2005,2007,2008,2016,2018,2019,2020,2021,2022
./bin/named/lwresd.8 MAN DOCBOOK
./bin/named/lwresd.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/lwresd.docbook SGML
2000,2001,2004,2005,2007,2008,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/lwresd.html HTML DOCBOOK
./bin/named/lwsearch.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./bin/named/main.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/named.8 MAN DOCBOOK
./bin/named/named.conf.5 MAN DOCBOOK
./bin/named/named.conf.docbook SGML
2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/named.conf.html HTML DOCBOOK

./bin/named/named.docbook SGML
2000,2001,2003,2004,2005,2006,2007,2008,2009,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/named.html HTML DOCBOOK
./bin/named/notify.c C 1999,2000,2001,2002,2003,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./bin/named/query.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/server.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/sortlist.c C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./bin/named/statschannel.c C 2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/tkeyconf.c C
1999,2000,2001,2004,2005,2006,2007,2009,2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/named/tsigconf.c C
1999,2000,2001,2004,2005,2006,2007,2009,2011,2012,2016,2017,2018,2019,2020,2021,2022
./bin/named/unix/Makefile.in MAKE 1999,2000,2001,2004,2007,2009,2011,2012,2016,2018,2019,2020,2021,2022
./bin/named/unix/dlz_dlopen_driver.c C 2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/named/unix/include/named/os.h C
1999,2000,2001,2002,2004,2005,2007,2008,2009,2014,2016,2017,2018,2019,2020,2021,2022
./bin/named/unix/os.c C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/update.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/win32/dlz_dlopen_driver.c C 2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/named/win32/include/named/ntservice.h C
1999,2000,2001,2002,2003,2004,2007,2016,2018,2019,2020,2021,2022
./bin/named/win32/include/named/os.h C
1999,2000,2001,2002,2004,2007,2008,2009,2014,2016,2017,2018,2019,2020,2021,2022
./bin/named/win32/named.dsp.in X
2001,2004,2005,2008,2009,2010,2011,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/win32/named.dsw X 2001,2018,2019,2020,2021,2022
./bin/named/win32/named.mak.in X
2001,2002,2004,2005,2006,2008,2009,2010,2011,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/named/win32/named.vcxproj.filters.in X 2013,2015,2016,2018,2019,2020,2021,2022
./bin/named/win32/named.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/win32/named.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/named/win32/ntservice.c C
1999,2000,2001,2002,2004,2006,2007,2009,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/win32/os.c C
1999,2000,2001,2002,2004,2005,2007,2008,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/xfrout.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/named/zoneconf.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201

9,2020,2021,2022
./bin/nsupdate/Makefile.in MAKE
2000,2001,2002,2004,2006,2007,2008,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/nsupdate/nsupdate.1 MAN DOCBOOK
./bin/nsupdate/nsupdate.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/nsupdate/nsupdate.docbook SGML
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/nsupdate/nsupdate.html HTML DOCBOOK
./bin/nsupdate/win32/nsupdate.dsp.in X 2001,2004,2005,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/nsupdate/win32/nsupdate.dsw X 2001,2018,2019,2020,2021,2022
./bin/nsupdate/win32/nsupdate.mak.in X
2001,2002,2004,2005,2006,2009,2013,2014,2016,2018,2019,2020,2021,2022
./bin/nsupdate/win32/nsupdate.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/nsupdate/win32/nsupdate.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/nsupdate/win32/nsupdate.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/pkcs11/Makefile.in MAKE 2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/pkcs11/OLD-PKCS11-NOTES X 2009,2018,2019,2020,2021,2022
./bin/pkcs11/openssl-0.9.8zh-patch X 2015,2018,2019,2020,2021,2022
./bin/pkcs11/openssl-1.0.0t-patch X 2015,2018,2019,2020,2021,2022
./bin/pkcs11/openssl-1.0.1t-patch X 2016,2018,2019,2020,2021,2022
./bin/pkcs11/openssl-1.0.2h-patch X 2016,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-destroy.8 MAN DOCBOOK
./bin/pkcs11/pkcs11-destroy.c X 2009,2010,2014,2015,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-destroy.docbook SGML 2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-destroy.html HTML DOCBOOK
./bin/pkcs11/pkcs11-keygen.8 MAN DOCBOOK
./bin/pkcs11/pkcs11-keygen.c X 2009,2014,2015,2017,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-keygen.docbook SGML 2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-keygen.html HTML DOCBOOK
./bin/pkcs11/pkcs11-list.8 MAN DOCBOOK
./bin/pkcs11/pkcs11-list.c C 2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-list.docbook SGML 2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-list.html HTML DOCBOOK
./bin/pkcs11/pkcs11-tokens.8 MAN DOCBOOK
./bin/pkcs11/pkcs11-tokens.c C 2014,2015,2016,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-tokens.docbook SGML 2014,2015,2016,2018,2019,2020,2021,2022
./bin/pkcs11/pkcs11-tokens.html HTML DOCBOOK
./bin/pkcs11/win32/pk11destroy.dsp.in X 2009,2013,2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11destroy.dsw X 2009,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11destroy.mak.in X 2009,2013,2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11destroy.vcxproj.filters.in X 2013,2014,2015,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11destroy.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11destroy.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11keygen.dsp.in X 2009,2013,2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11keygen.dsw X 2009,2018,2019,2020,2021,2022

./bin/pkcs11/win32/pk11keygen.mak.in X 2009,2013,2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11keygen.vcxproj.filters.in X 2013,2014,2015,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11keygen.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11keygen.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11list.dsp.in X 2009,2013,2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11list.dsw X 2009,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11list.mak.in X 2009,2013,2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11list.vcxproj.filters.in X 2013,2014,2015,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11list.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11list.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11tokens.dsp.in X 2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11tokens.dsw X 2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11tokens.mak.in X 2014,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11tokens.vcxproj.filters.in X 2014,2015,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11tokens.vcxproj.in X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/pkcs11/win32/pk11tokens.vcxproj.user X 2014,2018,2019,2020,2021,2022
./bin/python/Makefile.in MAKE 2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/python/dnssec-checkds.8 MAN DOCBOOK
./bin/python/dnssec-checkds.docbook SGML 2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/python/dnssec-checkds.html HTML DOCBOOK
./bin/python/dnssec-checkds.py.in PYTHON-BIN 2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/python/dnssec-coverage.8 MAN DOCBOOK
./bin/python/dnssec-coverage.docbook SGML 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/python/dnssec-coverage.html HTML DOCBOOK
./bin/python/dnssec-coverage.py.in PYTHON-BIN 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/python/dnssec-keymgr.8 MAN DOCBOOK
./bin/python/dnssec-keymgr.docbook SGML 2016,2017,2018,2019,2020,2021,2022
./bin/python/dnssec-keymgr.html HTML DOCBOOK
./bin/python/dnssec-keymgr.py.in PYTHON-BIN 2016,2017,2018,2019,2020,2021,2022
./bin/python/isc/Makefile.in MAKE 2016,2018,2019,2020,2021,2022
./bin/python/isc/__init__.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/isc/checkds.py.in PYTHON 2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/python/isc/coverage.py.in PYTHON 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/python/isc/dnskey.py.in PYTHON 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/python/isc/eventlist.py.in PYTHON 2015,2016,2018,2019,2020,2021,2022
./bin/python/isc/keydict.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/isc/keyevent.py.in PYTHON 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/python/isc/keymgr.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/isc/keyseries.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/isc/keyzone.py.in PYTHON 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/python/isc/policy.py.in PYTHON 2016,2017,2018,2019,2020,2021,2022
./bin/python/isc/rndc.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/Makefile.in MAKE 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/dnskey_test.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/policy_test.py.in PYTHON 2016,2017,2018,2019,2020,2021,2022
./bin/python/isc/tests/test-policies/01-keysize.pol CONF-C 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/test-policies/02-prepublish.pol CONF-C 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/test-policies/03-postpublish.pol CONF-C 2016,2018,2019,2020,2021,2022

./bin/python/isc/tests/test-policies/04-combined-pre-post.pol CONF-C 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/test-policies/05-numeric-zone.pol CONF-C 2017,2018,2019,2020,2021,2022
./bin/python/isc/tests/testdata/Kexample.com.+007+35529.key X 2016,2018,2019,2020,2021,2022
./bin/python/isc/tests/testdata/Kexample.com.+007+35529.private X 2016,2018,2019,2020,2021,2022
./bin/python/isc/utils.py.in PYTHON 2016,2018,2019,2020,2021,2022
./bin/python/setup.py PYTHON 2016,2018,2019,2020,2021,2022
./bin/rndc/Makefile.in MAKE 2000,2001,2002,2004,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/rndc/include/rndc/os.h C 2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./bin/rndc/rndc.8 MAN DOCBOOK
./bin/rndc/rndc.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/rndc/rndc.conf CONF-C 2000,2001,2004,2007,2013,2014,2016,2018,2019,2020,2021,2022
./bin/rndc/rndc.conf.5 MAN DOCBOOK
./bin/rndc/rndc.conf.docbook SGML 2000,2001,2004,2005,2007,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/rndc/rndc.conf.html HTML DOCBOOK
./bin/rndc/rndc.docbook SGML 2000,2001,2004,2005,2007,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/rndc/rndc.html HTML DOCBOOK
./bin/rndc/util.c C 2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./bin/rndc/util.h C 2000,2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./bin/rndc/win32/rndc.dsp.in X 2001,2004,2005,2006,2009,2013,2018,2019,2020,2021,2022
./bin/rndc/win32/rndc.dsw X 2001,2018,2019,2020,2021,2022
./bin/rndc/win32/rndc.mak.in X 2001,2002,2004,2005,2006,2009,2013,2018,2019,2020,2021,2022
./bin/rndc/win32/rndc.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/rndc/win32/rndc.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/rndc/win32/rndc.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/rndc/win32/rndcutil.dsp.in X 2006,2013,2018,2019,2020,2021,2022
./bin/rndc/win32/rndcutil.dsw X 2006,2018,2019,2020,2021,2022
./bin/rndc/win32/rndcutil.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/rndc/win32/rndcutil.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/rndc/win32/rndcutil.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tests/Makefile.in MAKE
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/bigtest/README TXT.BRIEF 2013,2016,2018,2019,2020,2021,2022
./bin/tests/bigtest/buildzones.sh SH 2013,2016,2018,2019,2020,2021,2022
./bin/tests/bigtest/rndc.key X 2013,2018,2019,2020,2021,2022
./bin/tests/bigtest/tests.sh SH 2013,2016,2018,2019,2020,2021,2022
./bin/tests/bigtest/zones X 2013,2018,2019,2020,2021,2022
./bin/tests/cfg_test.c C 2018,2019,2020,2021,2022
./bin/tests/fromhex.pl PERL 2015,2016,2018,2019,2020,2021,2022
./bin/tests/headerdep_test.sh.in SH 2018,2019,2020,2021,2022
./bin/tests/makejournal.c C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/named.conf CONF-C 1999,2000,2001,2004,2007,2011,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/Kchild.example.+003+04017.key X 2018,2019,2020,2021,2022
./bin/tests/optional/Kchild.example.+003+04017.private X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/optional/Makefile.in MAKE 2018,2019,2020,2021,2022
./bin/tests/optional/adb_test.c C

1999,2000,2001,2004,2005,2007,2009,2011,2012,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/backtrace_test.c C 2009,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/byaddr_test.c C 2000,2001,2002,2004,2005,2007,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/byname_test.c C
2000,2001,2004,2005,2007,2009,2012,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/optional/db_test.c C
1999,2000,2001,2004,2005,2007,2008,2009,2011,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/optional/dst_test.c C 2018,2019,2020,2021,2022
./bin/tests/optional/entropy2_test.c C 2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/entropy_test.c C 2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/fsaccess_test.c C 2000,2001,2004,2005,2007,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/optional/gsstest.c C 2018,2019,2020,2021,2022
./bin/tests/optional/gxba_test.c C 2018,2019,2020,2021,2022
./bin/tests/optional/gxbn_test.c C 2018,2019,2020,2021,2022
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./bin/tests/startperf/setup.sh SH 2011,2012,2016,2018,2019,2020,2021,2022
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./bin/tests/system/acl/clean.sh SH 2008,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
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./bin/tests/system/auth/clean.sh SH 2018,2019,2020,2021,2022
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./bin/tests/system/builtin/clean.sh SH 2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/cacheclean/knowngood.dig.out X 2001,2018,2019,2020,2021,2022
./bin/tests/system/cacheclean/ns1/example.db ZONE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
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./bin/tests/system/cacheclean/ns1/flushtest.db ZONE 2011,2016,2018,2019,2020,2021,2022
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./bin/tests/system/case/postupdate.good X 2015,2018,2019,2020,2021,2022
./bin/tests/system/case/setup.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/case/tests.sh SH 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/catz/clean.sh SH 2016,2018,2019,2020,2021,2022
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./bin/tests/system/checkds/dig.pl PERL 2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/checkds/missing.example.dlv.example.dlv.db X 2012,2018,2019,2020,2021,2022
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./bin/tests/system/checkds/missing.example.ds.db X 2012,2018,2019,2020,2021,2022
./bin/tests/system/checkds/none.example.dlv.example.dlv.db X 2012,2018,2019,2020,2021,2022
./bin/tests/system/checkds/none.example.dnskey.db X 2012,2018,2019,2020,2021,2022
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./bin/tests/system/checkds/ok.example.dlv.example.dlv.db X 2012,2018,2019,2020,2021,2022
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./bin/tests/system/checkds/ok.example.ds.db X 2012,2018,2019,2020,2021,2022
./bin/tests/system/checkds/tests.sh SH 2012,2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/checkds/wrong.example.dnskey.db X 2012,2018,2019,2020,2021,2022
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./bin/tests/system/checkzone/zones/bad-nsap-empty.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad-nsap-odd-nibble.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad-nsec3-padded.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad-nsec3owner-padded.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad-tkey.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad-tsig.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad-unspec.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad1.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad2.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad3.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/bad4.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/badttl.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/crashzone.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/delegating-ns-address-below-dname.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-cdnskey.db ZONE 2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-cds.db ZONE 2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-dns-sd-reverse.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-gc-msdcs.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-nsap.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-nsec3-nopadhash.db ZONE 2014,2016,2018,2019,2020,2021,2022

./bin/tests/system/checkzone/zones/good-occulted-ns-by-dname.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good-occulted-ns-by-ns.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/good1.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/inherit.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/nowarn.inherited.owner.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/ns-address-below-dname.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/spf.db ZONE 2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/checkzone/zones/test2.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/warn.inherit.origin.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/checkzone/zones/warn.inherited.owner.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/cleanall.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cleanpkcs11.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/common/controls.conf CONF-C 2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/common/rndc.conf CONF-C 2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/common/root.hint ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
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2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
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./bin/tests/system/conf.sh.win32 SH 2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/cookie/ans9/ans.py PYTHON 2020,2021,2022
./bin/tests/system/cookie/bad-cookie-badaes.conf.in X 2019,2020,2021,2022
./bin/tests/system/cookie/bad-cookie-badhex.conf CONF-C 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cookie/bad-cookie-badsha1.conf CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/cookie/bad-cookie-badsha256.conf CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/cookie/bad-cookie-badsiphash24.conf X 2019,2020,2021,2022
./bin/tests/system/cookie/bad-cookie-toolong.conf CONF-C 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cookie/clean.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cookie/good-cookie-aes.conf.in X 2019,2020,2021,2022
./bin/tests/system/cookie/good-cookie-sha1.conf CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/cookie/good-cookie-sha256.conf CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/cookie/good-cookie-siphash24.conf X 2019,2020,2021,2022
./bin/tests/system/cookie/ns1/example.db ZONE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns1/root.hint ZONE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns2/root.db ZONE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/cookie/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns4/root.hint ZONE 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns5/root.hint ZONE 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns6/root.hint ZONE 2018,2019,2020,2021,2022
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./bin/tests/system/cookie/ns7/root.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/cookie/ns8/example.db ZONE 2018,2019,2020,2021,2022
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./bin/tests/system/cookie/prereq.sh SH 2020,2021,2022
./bin/tests/system/cookie/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/cookie/tests.sh SH 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/coverage/01-ksk-inactive/README X 2013,2018,2019,2020,2021,2022
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./bin/tests/system/coverage/02-zsk-inactive/README X 2013,2018,2019,2020,2021,2022
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./bin/tests/system/coverage/06-zsk-unpub-active/expect X 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/coverage/07-ksk-ttl/README X 2013,2018,2019,2020,2021,2022
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./bin/tests/system/coverage/08-zsk-ttl/expect X 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/coverage/09-check-zsk/README X 2014,2018,2019,2020,2021,2022
./bin/tests/system/coverage/09-check-zsk/expect X 2014,2018,2019,2020,2021,2022
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./bin/tests/system/coverage/10-check-ksk/expect X 2014,2018,2019,2020,2021,2022
./bin/tests/system/coverage/11-cutoff/README X 2014,2018,2019,2020,2021,2022
./bin/tests/system/coverage/11-cutoff/expect X 2014,2018,2019,2020,2021,2022
./bin/tests/system/coverage/12-ksk-deletion/expect X 2018,2019,2020,2021,2022
./bin/tests/system/coverage/13-dotted-dotless/expect X 2019,2020,2021,2022
./bin/tests/system/coverage/clean.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/coverage/setup.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/coverage/tests.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/database/clean.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/database/ns1/named1.conf.in CONF-C 2011,2013,2018,2019,2020,2021,2022
./bin/tests/system/database/ns1/named2.conf.in CONF-C 2011,2013,2018,2019,2020,2021,2022
./bin/tests/system/database/setup.sh SH 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/database/tests.sh SH 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/delzone/clean.sh SH 2016,2018,2019,2020,2021,2022
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./bin/tests/system/delzone/ns2/added.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/delzone/ns2/named.args X 2016,2018,2019,2020,2021,2022
./bin/tests/system/delzone/ns2/named.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/delzone/ns2/normal.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/delzone/tests.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/clean.sh SH 2019,2020,2021,2022

./bin/tests/system/dialup/ns1/example.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/ns1/named.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/ns2/hint.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/ns2/named.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/ns3/hint.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/ns3/named.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dialup/tests.sh SH 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/digcomp.pl PERL 2000,2001,2004,2007,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ans4/startme X 2017,2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ans7/ans.pl PERL 2020,2021,2022
./bin/tests/system/digdelv/clean.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ns1/root.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ns2/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/digdelv/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/digdelv/prereq.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/digdelv/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/digdelv/tests.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/ditch.pl PERL 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/clean.sh SH 2004,2007,2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns1/root.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns1/rootservers.utld.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns1/sign.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns2/druz.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns2/hints ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns2/sign.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns2/utld.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns3/child.db.in ZONE 2004,2007,2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns3/dlv.db.in ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns3/hints ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns3/sign.sh SH 2004,2007,2009,2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns4/child.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns4/hints ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns5/hints ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns5/rndc.conf CONF-C 2004,2007,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns6/child.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns6/hints ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns6/sign.sh SH 2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/ns7/hints ZONE 2019,2020,2021,2022
./bin/tests/system/dlv/ns7/named.conf.in CONF-C 2019,2020,2021,2022

./bin/tests/system/dlv/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/setup.sh SH 2004,2007,2009,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlv/tests.sh SH 2004,2007,2010,2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/clean.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/broken/dns.d/@/DNAME=10=example.net.= TXT.BRIEF 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/broken/dns.d/@/NS=10=example.com.= TXT.BRIEF 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/broken/dns.d/@/SOA=10=ns.example.com.=root.example.com.=None=None=None=None=None= TXT.BRIEF 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/example/dns.d/@/DNAME=10=example.net.= TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/example/dns.d/@/NS=10=example.com.= TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/example/dns.d/@/SOA=10=ns.example.com.=root.example.com.=2010062900=0=0=0=10= TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/dns-root/com/example/xfr.d/10.53.0.1 TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlz/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dlz/prereq.sh SH 2011,2012,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dlz/tests.sh SH 2010,2011,2012,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/Makefile.in MAKE 2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/clean.sh SH 2010,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/driver.c C 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/driver.h C 2011,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dlzexternal/ns1/named.conf.in CONF-C 2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/ns1/root.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/prereq.sh SH 2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/setup.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dlzexternal/tests.sh SH 2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/clean.sh SH 2010,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad1.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad18.conf CONF-C 2019,2020,2021,2022
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./bin/tests/system/dns64/conf/bad3.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad4.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad5.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad6.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad7.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad8.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/bad9.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/good1.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dns64/conf/good4.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/good5.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/conf/warn1.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/dns64/conf/warn2.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/dns64/conf/warn3.conf CONF-C 2019,2020,2021,2022
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./bin/tests/system/dns64/conf/warn6.conf CONF-C 2019,2020,2021,2022
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./bin/tests/system/dns64/ns1/example.db ZONE 2010,2011,2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dns64/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/setup.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dns64/tests.sh SH 2010,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/README TXT.BRIEF 2000,2001,2002,2004,2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ans10/ans.py PYTHON 2020,2021,2022
./bin/tests/system/dnssec/clean.sh SH
2000,2001,2002,2004,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/dnssec_update_test.pl PERL 2002,2004,2007,2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns1/root.db.in ZONE
2000,2001,2004,2007,2010,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns1/sign.sh SH
2000,2001,2002,2003,2004,2006,2007,2008,2009,2010,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/algroll.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/badparam.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/cdnskey-auto.secure.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/cdnskey-update.secure.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/cdnskey.secure.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/cds-auto.secure.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/cds-update.secure.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/cds.secure.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/child.nsec3.example.db ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/child.optout.example.db ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/dlv.db.in ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/dst.example.db.in ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/example.db.in ZONE
2000,2001,2002,2004,2007,2008,2009,2010,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/in-addr.arpa.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/insecure.secure.example.db ZONE
2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/key.db.in ZONE 2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022

./bin/tests/system/dnssec/ns2/private.secure.example.db.in ZONE
2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/rfc2335.example.db X 2004,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/sign.sh SH
2000,2001,2002,2003,2004,2006,2007,2008,2009,2010,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/single-nsec3.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/template.secure.db.in ZONE 2019,2020,2021,2022
./bin/tests/system/dnssec/ns2/too-many-iterations.db.in ZONE 2021,2022
./bin/tests/system/dnssec/ns3/auto-nsec.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/auto-nsec3.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/bogus.example.db.in ZONE
2000,2001,2004,2007,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/dname-at-apex-nsec3.example.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/dnskey-nsec3-unknown.example.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/dnskey-unknown.example.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/dnskey-unsupported-2.example.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/dnskey-unsupported.example.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/dynamic.example.db.in ZONE 2002,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/expired.example.db.in ZONE 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/expiring.example.db.in ZONE 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/future.example.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/generic.example.db.in ZONE 2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/inline.example.db ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/insecure.below-cname.example.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/insecure.example.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/insecure.nsec3.example.db ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/insecure.optout.example.db ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/key.db.in ZONE 2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/kskonly.example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/lower.example.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/managed-future.example.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/multiple.example.db.in ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/nosign.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/nsec3-unknown.example.db.in ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/nsec3.example.db.in ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/nsec3.nsec3.example.db.in ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/nsec3.optout.example.db.in ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/occluded.example.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/optout-unknown.example.db.in ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/optout.example.db.in ZONE 2006,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/optout.nsec3.example.db.in ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/optout.optout.example.db.in ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/publish-inactive.example.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dnssec/ns3/rsasha512.example.db.in ZONE 2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/secure.below-cname.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/secure.example.db.in ZONE

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./bin/tests/system/dnssec/ns3/secure.nsec3.example.db.in ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/secure.optout.example.db.in ZONE 2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/siginterval.example.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/siginterval1.conf CONF-C 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/siginterval2.conf CONF-C 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/sign.sh SH
2000,2001,2002,2004,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/split-dnssec.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/split-smart.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/ttlpatch.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/unsupported-algorithm.key X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/update-nsec3.example.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns3/upper.example.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns4/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns4/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns4/named3.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns4/named4.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns4/named5.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns5/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns5/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns5/sign.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns5/trusted.conf.bad CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns6/named.args X 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns6/optout-tld.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns6/sign.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns7/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns7/named.nosoa TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns7/nosoa.secure.example.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns7/sign.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns7/split-rrsig.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/ns8/named.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/dnssec/ns9/named.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/dnssec/ntadiff.pl PERL 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/prereq.sh SH
2000,2001,2002,2004,2006,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/setup.sh SH
2000,2001,2004,2007,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+005+07065.key X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+005+07065.private X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+005+23362.key X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+005+23362.private X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+008+15002.key X 2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+008+15002.private X 2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+008+63613.key X 2021,2022
./bin/tests/system/dnssec/signer/general/Kexample.com.+008+63613.private X 2021,2022

./bin/tests/system/dnssec/signer/general/bogus-ksk.key X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/bogus-zsk.key X 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test1.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test2.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test3.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test4.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test5.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test6.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test7.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test8.zone ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/general/test9.zone ZONE 2021,2022
./bin/tests/system/dnssec/signer/remove.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/signer/remove2.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnssec/tests.sh SH
2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./bin/tests/system/dnstap/README TXT.BRIEF 2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-buffer-hint-max.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-buffer-hint-min.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-flush-timeout-max.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-flush-timeout-min.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-input-queue-size-max.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-input-queue-size-min.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-input-queue-size-po2.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-output-notify-threshold.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-output-queue-size-max.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-output-queue-size-min.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-reopen-interval-max.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-fstrm-set-reopen-interval-min.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/bad-missing-dnstap-output-view.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/dnstap/bad-missing-dnstap-output.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/dnstap/clean.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-dnstap-in-options.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/dnstap/good-dnstap-in-view.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-buffer-hint.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-flush-timeout.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-input-queue-size.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-output-notify-threshold.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-output-queue-model-mpsc.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-output-queue-model-spsc.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-output-queue-size.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/good-fstrm-set-reopen-interval.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/large-answer.fstrm X 2019,2020,2021,2022
./bin/tests/system/dnstap/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnstap/ns1/root.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/ns2/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnstap/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022

./bin/tests/system/dnstap/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dnstap/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dnstap/tests.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dnstap/ydump.py PYTHON 2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dscp/clean.sh SH 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns1/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns1/root.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns2/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns3/hint.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns3/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns4/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns4/root.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns5/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns6/hint.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns6/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns7/named.args X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/dscp/ns7/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dscp/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dscp/tests.sh SH 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/clean.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dsdigest/ns1/root.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/ns1/sign.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/ns2/bad.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/ns2/good.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/ns2/sign.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/dsdigest/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/prereq.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/setup.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/dsdigest/tests.sh SH 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/check_journal.pl PERL 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/clean.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/ns1/named.args X 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/ns1/reset_keys.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/ns1/signing.test.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/prereq.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dupsigs/tests.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dyndb/Makefile.in MAKE 2015,2016,2018,2019,2020,2021,2022

./bin/tests/system/dyndb/clean.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/AUTHORS X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/COPYING X 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/Makefile.in MAKE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/README X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/db.c X 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/db.h X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/driver.c X 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/instance.c X 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/instance.h X 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/lock.c X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/lock.h X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/log.c X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/log.h X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/syncptr.c X 2015,2017,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/syncptr.h X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/util.h X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/zone.c X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/driver/zone.h X 2015,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/dyndb/prereq.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/dyndb/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/dyndb/tests.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/clean.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/ns1/named.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/ns1/root.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/ns1/sign.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/ns2/named.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/prereq.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/setup.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ecdsa/tests.sh SH 2012,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/clean.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns1/named.conf CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns1/root.db.in ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns1/sign.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+015+03613.key X 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+015+03613.private X 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+015+35217.key X 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+015+35217.private X 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+016+09713.key X 2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+016+09713.private X 2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+016+38353.key X 2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/Xexample.com.+016+38353.private X 2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/example.com.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/named.conf CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/ns2/sign.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/prereq.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/eddsa/setup.sh SH 2017,2018,2019,2020,2021,2022

./bin/tests/system/eddsa/tests.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/ednscompliance/clean.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/ednscompliance/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/ednscompliance/ns1/root.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ednscompliance/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/ednscompliance/tests.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/emptyzones/clean.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/emptyzones/ns1/empty.db ZONE 2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/emptyzones/ns1/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/emptyzones/ns1/rfc1918.zones CONF-C 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/emptyzones/ns1/root.hint ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/emptyzones/setup.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/emptyzones/tests.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/feature-test.c C 2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ans4/ans.pl PERL 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/clean.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns1/root.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns2/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns3/named.args X 2015,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns3/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns3/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns3/named3.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/ns3/root.hint ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/prereq.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/setup.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/fetchlimit/tests.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/clean.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/bad1.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/bad2.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/bad3.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/bad4.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/bad5.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/bad6.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/good1.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/good2.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
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./bin/tests/system/filter-aaaa/conf/good5.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
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./bin/tests/system/filter-aaaa/conf/good7.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/conf/good8.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns1/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns1/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns1/root.db ZONE 2010,2012,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns1/sign.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022

./bin/tests/system/filter-aaaa/ns1/signed.db.in ZONE 2010,2012,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns1/signed.db.presigned X 2014,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns1/unsigned.db ZONE 2010,2012,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns2/hints ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns2/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns2/named2.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/filter-aaaa/ns3/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns3/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/root.db ZONE 2010,2012,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/sign.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/signed.db.in ZONE 2010,2012,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/signed.db.presigned X 2014,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns4/unsigned.db ZONE 2010,2012,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns5/hints ZONE 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/prereq.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/setup.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/filter-aaaa/tests.sh SH 2010,2012,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/formerr/clean.sh SH 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/formerr/formerr.pl PERL 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/formerr/nametoolong X 2013,2018,2019,2020,2021,2022
./bin/tests/system/formerr/noquestions X 2013,2018,2019,2020,2021,2022
./bin/tests/system/formerr/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/formerr/ns1/root.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/formerr/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/formerr/tests.sh SH 2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/formerr/twoquestions X 2013,2018,2019,2020,2021,2022
./bin/tests/system/forward/ans6/startme X 2019,2020,2021,2022
./bin/tests/system/forward/clean.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns1/example.db X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/forward/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns2/example.db X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/forward/ns2/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/forward/ns3/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns4/malicious.db ZONE 2020,2021,2022
./bin/tests/system/forward/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/forward/ns4/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/forward/ns5/rebind.db ZONE 2020,2021,2022
./bin/tests/system/forward/ns5/root.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/ns7/named.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/forward/ns7/root.db ZONE 2019,2020,2021,2022

./bin/tests/system/forward/prereq.sh SH 2019,2020,2021,2022
./bin/tests/system/forward/rfc1918-inherited.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/rfc1918-notinherited.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/forward/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/forward/tests.sh SH 2000,2001,2004,2007,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/forward/ula-notinherited.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/genzone.sh SH
2001,2002,2003,2004,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/geoip/clean.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIP.csv X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIP.dat X 2013,2014,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPASNum.csv X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPASNum.dat X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPASNumv6.csv X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPASNumv6.dat X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPCity.csv X 2013,2018,2019,2020,2021,2022
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./bin/tests/system/geoip/data/GeoIPDomain.csv X 2013,2018,2019,2020,2021,2022
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./bin/tests/system/geoip/data/GeoIPISP.csv X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPISP.dat X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPNetSpeed.csv X 2013,2018,2019,2020,2021,2022
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./bin/tests/system/geoip/data/GeoIPOrg.csv X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPOrg.dat X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPRegion.csv X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPRegion.dat X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPv6.csv X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/GeoIPv6.dat X 2013,2018,2019,2020,2021,2022
./bin/tests/system/geoip/data/README TXT.BRIEF 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/example.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named10.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named11.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named12.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named13.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named14.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named15.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named16.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named3.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named4.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named5.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named6.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named7.conf.in CONF-C 2018,2019,2020,2021,2022

./bin/tests/system/geoip/ns2/named8.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/ns2/named9.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/geoip/options.conf CONF-C 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip/prereq.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip/setup.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip/tests.sh SH 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/geoip2/clean.sh SH 2019,2020,2021,2022
./bin/tests/system/geoip2/conf/bad-areacode.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/conf/bad-dbname.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/conf/bad-netspeed.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/conf/bad-regiondb.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/conf/bad-threeletter.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/conf/good-options.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoIP2-City.json X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoIP2-City.mmdb X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoIP2-Country.json X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoIP2-Country.mmdb X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoIP2-Domain.json X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoIP2-Domain.mmdb X 2019,2020,2021,2022
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./bin/tests/system/geoip2/data/GeoIP2-ISP.mmdb X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoLite2-ASN.json X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/GeoLite2-ASN.mmdb X 2019,2020,2021,2022
./bin/tests/system/geoip2/data/README.md MKD 2019,2020,2021,2022
./bin/tests/system/geoip2/data/write-test-data.pl PERL 2019,2020,2021,2022
./bin/tests/system/geoip2/ns2/example.db.in ZONE 2019,2020,2021,2022
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./bin/tests/system/geoip2/ns2/named10.conf.in CONF-C 2019,2020,2021,2022
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./bin/tests/system/geoip2/ns2/named5.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/ns2/named6.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/ns2/named7.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/ns2/named8.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/ns2/named9.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/geoip2/prereq.sh SH 2019,2020,2021,2022
./bin/tests/system/geoip2/setup.sh SH 2019,2020,2021,2022
./bin/tests/system/geoip2/tests.sh SH 2019,2020,2021,2022
./bin/tests/system/glue/clean.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/fi.good X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/glue/noglue.good X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/glue/ns1/cache.in ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/ns1/mil.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022

./bin/tests/system/glue/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/glue/ns1/net.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/ns1/root-servers.nil.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/setup.sh SH 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/tests.sh SH 2000,2001,2003,2004,2007,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/glue/xx.good X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/glue/yy.good X 2000,2001,2003,2018,2019,2020,2021,2022
./bin/tests/system/gost/clean.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/ns1/named.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/ns1/root.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/ns1/sign.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/ns2/named.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/prereq.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/setup.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/gost/tests.sh SH 2010,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/idna/clean.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/idna/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/idna/ns1/root.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/idna/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/idna/tests.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/ifconfig.bat BAT 2016,2018,2019,2020,2021,2022
./bin/tests/system/ifconfig.sh SH
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./bin/tests/system/inline/checkdsa.sh.in SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/clean.sh SH 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/inline/ns1/root.db.in ZONE 2011,2012,2013,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns1/sign.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns2/bits.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/inline/ns2/nsec3-loop.db.in ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns3/master.db.in ZONE 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns3/master2.db.in ZONE 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns3/master3.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns3/master4.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
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./bin/tests/system/inline/ns3/master6.db.in ZONE 2019,2020,2021,2022
./bin/tests/system/inline/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/inline/ns3/sign.sh SH 2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/inline/ns4/noixfr.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns5/named.conf.post CONF-C 2011,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns5/named.conf.pre CONF-C 2011,2016,2018,2019,2020,2021,2022
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./bin/tests/system/inline/ns7/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/inline/ns7/sign.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/inline/ns8/example.com.db.in ZONE 2020,2021,2022

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./bin/tests/system/inline/ns8/sign.sh SH 2020,2021,2022
./bin/tests/system/inline/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/inline/setup.sh SH 2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/inline/tests.sh SH 2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/integrity/clean.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/integrity/ns1/mx-cname.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/integrity/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/integrity/ns1/srv-cname.db ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/integrity/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/integrity/tests.sh SH 2017,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/ans2/startme X 2011,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/clean.sh SH 2001,2004,2007,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/ns1/startme X 2012,2013,2018,2019,2020,2021,2022
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./bin/tests/system/ixfr/ns3/mytest1.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/ns3/mytest2.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/ixfr/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/ixfr/ns5/named.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/ixfr/prereq.sh SH 2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/setup.sh SH 2001,2004,2007,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/ixfr/tests.sh SH 2001,2004,2007,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/01-ksk-inactive/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/01-ksk-inactive/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/02-zsk-inactive/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/02-zsk-inactive/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/03-ksk-unpublished/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/03-ksk-unpublished/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/04-zsk-unpublished/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/04-zsk-unpublished/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/05-ksk-unpub-active/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/05-ksk-unpub-active/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/06-zsk-unpub-active/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/06-zsk-unpub-active/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/07-ksk-ttl/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/07-ksk-ttl/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/08-zsk-ttl/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/08-zsk-ttl/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/09-no-keys/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/09-no-keys/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/10-change-roll/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/10-change-roll/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/11-many-simul/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/11-many-simul/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/12-many-active/README TXT.BRIEF 2016,2018,2019,2020,2021,2022

./bin/tests/system/keymgr/12-many-active/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/13-noroll/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/13-noroll/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/14-wrongalg/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/14-wrongalg/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/15-unspec/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/15-unspec/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/16-wrongalg-unspec/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/16-wrongalg-unspec/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/17-noforce/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/17-noforce/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/18-nonstd-prepub/README TXT.BRIEF 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/18-nonstd-prepub/expect X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/18-nonstd-prepub/policy.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/19-old-keys/README TXT.BRIEF 2019,2020,2021,2022
./bin/tests/system/keymgr/19-old-keys/expect X 2019,2020,2021,2022
./bin/tests/system/keymgr/19-old-keys/extra.sh SH 2019,2020,2021,2022
./bin/tests/system/keymgr/19-old-keys/policy.conf CONF-C 2019,2020,2021,2022
./bin/tests/system/keymgr/clean.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/policy.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/policy.good X 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/policy.sample CONF-C 2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/prereq.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/setup.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/testpolicy.py PYTHON 2016,2018,2019,2020,2021,2022
./bin/tests/system/keymgr/tests.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/build.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/clean.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns1/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns1/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns1/root.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns1/trusted.conf X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns10/ednsrefused.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns10/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns10/named.ednsrefused X 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns2/dropedns.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns2/named.dropedns X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns3/dropedns-notcp.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns3/named.dropedns X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns3/named.notcp X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns4/named.args X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns4/plain.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns5/named.args X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns5/named.notcp X 2014,2018,2019,2020,2021,2022

./bin/tests/system/legacy/ns5/plain-notcp.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns6/edns512.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns6/edns512.db.signed X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns6/named.args X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns6/sign.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns7/edns512-notcp.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns7/edns512-notcp.db.signed X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns7/named.args X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns7/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns7/named.notcp X 2014,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns7/sign.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns8/ednsformerr.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns8/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns8/named.ednsformerr X 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns9/ednsnotimp.db ZONE 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns9/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/legacy/ns9/named.ednsnotimp X 2018,2019,2020,2021,2022
./bin/tests/system/legacy/setup.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/legacy/tests.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/limits/clean.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/limits/knowngood.dig.out.1000 X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/limits/knowngood.dig.out.2000 X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/limits/knowngood.dig.out.3000 X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/limits/knowngood.dig.out.4000 X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/limits/knowngood.dig.out.a-maximum-rrset X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/limits/ns1/example.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/limits/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/limits/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/limits/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/limits/tests.sh SH 2000,2001,2004,2007,2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/clean.sh SH 2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/controls.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/logfileconfig/ns1/named.pipeconf CONF-C 2011,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/named.plain CONF-C 2011,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/named.plainconf CONF-C 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/named.symconf CONF-C 2011,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/named.unlimited CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/named.versconf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/rndc.conf.in CONF-C 2011,2013,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/ns1/root.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/setup.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/logfileconfig/tests.sh SH 2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/Makefile.in MAKE
2000,2001,2002,2004,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/clean.sh SH 2008,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/lwresd1/lwresd.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022

./bin/tests/system/lwresd/lwresd1/nosearch.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/lwresd1/resolv.conf CONF-SH
2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/lwtest.c C
2000,2001,2002,2004,2007,2008,2012,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/10.10.10.in-addr.arpa.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/e.example1.db X 2008,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/example1.db ZONE
2000,2001,2002,2003,2004,2007,2008,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/example2.db ZONE 2000,2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/ip6.arpa.db ZONE 2000,2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/ip6.int.db ZONE 2000,2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/lwresd/ns1/named.conf CONF-C
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./bin/tests/system/lwresd/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
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./bin/tests/system/masterfile/clean.sh SH 2001,2004,2007,2010,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/knowngood.dig.out X 2001,2004,2012,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns1/include.db ZONE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns1/sub.db ZONE 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns1/ttl1.db ZONE 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns1/ttl2.db ZONE 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns2/example.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/masterfile/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/masterfile/tests.sh SH 2001,2004,2007,2010,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/zone/inheritownerafterinclude.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/zone/inheritownerafterinclude.good X 2015,2018,2019,2020,2021,2022
./bin/tests/system/masterfile/zone/nameservers.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/clean.sh SH 2005,2007,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns1/compile.sh SH
2005,2006,2007,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns1/example.db ZONE 2005,2007,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns1/large.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns1/signed.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns2/formerly-text.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/masterformat/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/masterformat/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/setup.sh SH 2005,2006,2007,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/masterformat/tests.sh SH 2005,2007,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/metadata/child.db ZONE 2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/metadata/clean.sh SH 2009,2011,2012,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/metadata/parent.db ZONE 2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/metadata/prereq.sh SH 2009,2012,2014,2016,2018,2019,2020,2021,2022

./bin/tests/system/metadata/setup.sh SH 2009,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/metadata/tests.sh SH 2009,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/README TXT.BRIEF 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/clean.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns1/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns1/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns1/named3.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns1/root.db ZONE 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns1/sign.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns1/unsupported.key X 2019,2020,2021,2022
./bin/tests/system/mkeys/ns2/named.args X 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns3/named.args X 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns5/named1.args X 2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns5/named2.args X 2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/ns6/named.args X 2019,2020,2021,2022
./bin/tests/system/mkeys/ns6/named.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/mkeys/ns6/setup.sh SH 2019,2020,2021,2022
./bin/tests/system/mkeys/ns6/unsupported-managed.key X 2019,2020,2021,2022
./bin/tests/system/mkeys/ns7/named.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/mkeys/prereq.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/setup.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/mkeys/tests.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/names/clean.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/names/ns1/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/names/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/names/setup.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/names/tests.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/clean.sh SH 2000,2001,2004,2007,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/notify/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns2/example1.db ZONE 2000,2001,2002,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns2/example2.db ZONE 2000,2001,2002,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns2/example3.db ZONE 2000,2001,2002,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns2/example4.db ZONE 2000,2001,2002,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns2/generic.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/notify/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/notify/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/notify/ns4/named.port.in X 2018,2019,2020,2021,2022
./bin/tests/system/notify/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/notify/ns5/x21.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/setup.sh SH 2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/notify/tests.sh SH
2000,2001,2004,2007,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/nslookup/clean.sh SH 2014,2015,2016,2018,2019,2020,2021,2022

./bin/tests/system/nslookup/ns1/example.net.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/nslookup/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nslookup/setup.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/nslookup/tests.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ans4/ans.pl PERL 2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/clean.sh SH
2000,2001,2004,2007,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/commandlist X 2012,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/knowngood.ns1.after X 2000,2001,2003,2004,2009,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/knowngood.ns1.afterstop X 2001,2004,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/knowngood.ns1.before X 2000,2001,2003,2004,2009,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/krb/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns1/example1.db ZONE
2000,2001,2002,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns1/many.test.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns1/max-ttl.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns1/sample.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns10/dns.keytab X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns10/example.com.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns10/in-addr.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns10/machine.ccache X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns10/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns2/sample.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/delegation.test.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/dnskey.test.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/nsec3param.test.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/sign.sh SH 2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns3/too-big.test.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns5/local.db.in ZONE 2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns5/named.args X 2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns5/named.conf.in CONF-C 2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns6/in-addr.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns6/named.args X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns7/dns.keytab X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns7/example.com.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns7/in-addr.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns7/machine.ccache X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns7/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns8/dns-other-than-KRB5_KTNAME.keytab X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns8/example.com.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns8/in-addr.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns8/machine.ccache X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns8/named.conf.in CONF-C 2018,2019,2020,2021,2022

./bin/tests/system/nsupdate/ns9/dns.keytab X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns9/example.com.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns9/in-addr.db.in ZONE 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns9/machine.ccache X 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/ns9/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/prereq.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/setup.sh SH
2000,2001,2004,2007,2009,2010,2011,2012,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/tests.sh SH
2000,2001,2004,2007,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/update_test.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/nsupdate/verylarge.in X 2013,2018,2019,2020,2021,2022
./bin/tests/system/nzd2nzf/clean.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/nzd2nzf/ns1/added.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/nzd2nzf/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/nzd2nzf/prereq.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/nzd2nzf/setup.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/nzd2nzf/tests.sh SH 2016,2018,2019,2020,2021,2022
./bin/tests/system/org.isc.bind.system SH 2010,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/org.isc.bind.system.plist X 2010,2018,2019,2020,2021,2022
./bin/tests/system/packet.pl PERL 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/parallel.sh SH 2019,2020,2021,2022
./bin/tests/system/pending/clean.sh SH 2009,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pending/ns1/root.db.in ZONE 2009,2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns1/sign.sh SH 2009,2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns2/example.com.db.in ZONE 2009,2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns2/example.db.in ZONE 2009,2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns2/forgery.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pending/ns2/sign.sh SH 2009,2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns3/hostile.db ZONE 2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns3/mail.example.db ZONE 2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pending/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pending/prereq.sh SH 2009,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/setup.sh SH 2009,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pending/tests.sh SH 2009,2010,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/Makefile.in MAKE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/clean.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/input X 2014,2015,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/inputb X 2014,2015,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns1/root.db ZONE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns2/examplea.db ZONE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns3/exampleb.db ZONE 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns3/named.args X 2014,2015,2018,2019,2020,2021,2022

./bin/tests/system/pipelined/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pipelined/pipequeries.c C 2014,2015,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/ref X 2014,2015,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/refb X 2014,2015,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/setup.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/pipelined/tests.sh SH 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11/2037-pk11_numbits-crash-test.pkt X 2020,2021,2022
./bin/tests/system/pkcs11/clean.sh SH 2010,2012,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11/ns1/example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11/ns1/named.conf CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pkcs11/setup.sh SH 2010,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11/tests.sh SH 2010,2012,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11/usepkcs11 X 2010,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/clean.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/ns1/example.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/ns1/named.conf CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/setup.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/tests.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/pkcs11ssl/usepkcs11 X 2014,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/README TXT.BRIEF 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ans2/ans.pl PERL 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ans4/ans.pl PERL 2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ans7/ans.pl PERL 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/clean.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns1/root.db ZONE 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns3/hints.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns3/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns3/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns3/named3.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/reclimit/ns3/named4.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/reclimit/prereq.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/setup.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/reclimit/tests.sh SH 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/redirect/clean.sh SH 2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/bad1.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/bad2.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/bad3.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/good1.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/good2.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/good3.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/conf/good4.conf CONF-C 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns1/example.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns1/redirect.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns1/root.db ZONE 2011,2016,2018,2019,2020,2021,2022

./bin/tests/system/redirect/ns1/sign.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns2/example.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns2/redirect.db.in ZONE 2011.2013,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns3/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns3/redirect.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns3/root.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns3/sign.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns4/example.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/redirect/ns4/root.hint ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/setup.sh SH 2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/redirect/tests.sh SH 2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ans8/ans.pl PERL 2017,2018,2019,2020,2021,2022
./bin/tests/system/resolver/clean.sh SH 2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ns1/root.hint ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/broken.db ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/child.server.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/moves.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/named.noaa TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/root.db ZONE 2010,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns4/sourcens.db ZONE 2020,2021,2022
./bin/tests/system/resolver/ns4/tld1.db ZONE 2012,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ns5/child.server.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns5/moves.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ns6/ds.example.net.db.in ZONE 2016,2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns6/no-edns-version.tld.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns6/root.db ZONE 2010,2011,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ns6/to-be-removed.tld.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
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./bin/tests/system/resolver/ns7/edns-version.tld.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/resolver/ns7/named.args X 2011,2012,2014,2018,2019,2020,2021,2022

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./bin/tests/system/rpz/ns3/broken.db.in ZONE 2019,2020,2021,2022

./bin/tests/system/rpz/ns3/crash1 X 2011,2013,2018,2019,2020,2021,2022
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./bin/tests/system/rpz/ns5/empty.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpz/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpz/setup.sh SH 2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpz/test4a ZONE 2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpz/tests.sh SH 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/README TXT.BRIEF 2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpzrecurse/ns1/db.l0 ZONE 2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpzrecurse/ns1/example.com.db ZONE 2020,2021,2022
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./bin/tests/system/rpzrecurse/ns1/root.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns1/test1.example.net.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns1/test2.example.net.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/db.clientip1 ZONE 2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpzrecurse/ns2/db.wildcard2b ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/db.wildcard3 ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/named.clientip.conf CONF-C 2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpzrecurse/ns2/named.wildcard1.conf CONF-C 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/named.wildcard2.conf CONF-C 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/named.wildcard3.conf CONF-C 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/named.wildcard4.conf CONF-C 2020,2021,2022
./bin/tests/system/rpzrecurse/ns2/root.hint ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns3/example.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns3/named1.conf.in CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns3/named2.conf.in CONF-C 2016,2018,2019,2020,2021,2022
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./bin/tests/system/rpzrecurse/ns3/root.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns4/child.example.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/ns4/named.conf.in CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/prereq.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/setup.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/testgen.pl PERL 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rpzrecurse/tests.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/rrchecker/classlist.good X 2013,2018,2019,2020,2021,2022
./bin/tests/system/rrchecker/clean.sh SH 2013,2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/rrchecker/privatelist.good X 2013,2018,2019,2020,2021,2022
./bin/tests/system/rrchecker/tests.sh SH 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/rrchecker/typelist.good X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/rrl/broken.conf CONF-C 2016,2018,2019,2020,2021,2022
./bin/tests/system/rrl/clean.sh SH 2012,2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/rrsetorder/dig.out.random.good13 X 2006,2018,2019,2020,2021,2022
./bin/tests/system/rrsetorder/dig.out.random.good14 X 2006,2018,2019,2020,2021,2022
./bin/tests/system/rrsetorder/dig.out.random.good15 X 2006,2018,2019,2020,2021,2022
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./bin/tests/system/rrsetorder/dig.out.random.good6 X 2006,2018,2019,2020,2021,2022
./bin/tests/system/rrsetorder/dig.out.random.good7 X 2006,2018,2019,2020,2021,2022
./bin/tests/system/rrsetorder/dig.out.random.good8 X 2006,2018,2019,2020,2021,2022
./bin/tests/system/rrsetorder/dig.out.random.good9 X 2006,2018,2019,2020,2021,2022
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./bin/tests/system/rsabigexponent/clean.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/conf/bad01.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/conf/bad02.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/conf/bad03.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/conf/good01.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/conf/good02.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/conf/good03.conf CONF-C 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns1/root.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns1/sign.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/Xexample.+005+05896.key X 2012,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/Xexample.+005+05896.private X 2012,2018,2019,2020,2021,2022

./bin/tests/system/rsabigexponent/ns2/Xexample.+005+51829.key X 2012,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/Xexample.+005+51829.private X 2012,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/dsset-example.in X 2012,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/example.db.bad ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/example.db.in ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns2/sign.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/prereq.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/setup.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/rsabigexponent/tests.sh SH 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/run.gdb X 2019,2020,2021,2022
./bin/tests/system/run.sh SH 2000,2001,2004,2007,2010,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runall.sh SH 2000,2001,2004,2007,2010,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/runsequential.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/runtime/README TXT.BRIEF 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/runtime/clean.sh SH 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt1.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt2.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt3.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt4.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt5.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt6.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named-alt9.conf.in CONF-C 2019,2020,2021,2022
./bin/tests/system/runtime/ns2/named1.conf.in CONF-C 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/setup.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/runtime/tests.sh SH 2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/send.pl PERL 2001,2004,2007,2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/setup.sh SH 2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/README TXT.BRIEF 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/clean.sh SH 2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/sfcache/ns1/root.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/ns1/sign.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/ns2/example.db.in ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/sfcache/ns2/sign.sh SH 2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/sfcache/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/setup.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/sfcache/tests.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/smartsign/child.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/smartsign/clean.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/smartsign/parent.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/smartsign/prereq.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/smartsign/setup.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/smartsign/tests.sh SH 2010,2011,2012,2014,2016,2017,2018,2019,2020,2021,2022

./bin/tests/system/sortlist/clean.sh SH 2000,2001,2004,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/spf/clean.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/spf/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/spf/tests.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/start.pl SH
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./bin/tests/system/staticstub/conf/good05.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/knowngood.dig.out.rec X 2010,2013,2018,2019,2020,2021,2022
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./bin/tests/system/staticstub/ns3/named.conf.in CONF-C 2010,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns3/sign.sh SH 2010,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns3/undelegated.db.in ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns4/example.com.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns4/example.info.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns4/example.org.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns4/sign.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/ns4/sub.example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/staticstub/setup.sh SH 2010,2012,2014,2016,2018,2019,2020,2021,2022

./bin/tests/system/staticstub/tests.sh SH 2010,2011,2012,2013,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/ans4/ans.pl PERL 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/clean.sh SH 2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/statistics/ns2/example.db ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/ns2/internal.db ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/statistics/ns3/internal.db ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/statistics/ns3/root.hint ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/prereq.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/statistics/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/statistics/tests.sh SH 2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/clean.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/fetch.pl PERL 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/ns2/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/statschannel/prereq.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/server-json.pl PERL 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/server-xml.pl PERL 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/statschannel/tests.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic-json.pl PERL 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic-xml.pl PERL 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic.expect.1 X 2015,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic.expect.2 X 2015,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic.expect.4 X 2015,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic.expect.5 X 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/statschannel/traffic.expect.6 X 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/stop.pl SH 2001,2004,2005,2006,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/stop.sh SH 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/stopall.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/stress/clean.sh SH 2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/ns1/named.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/ns2/named.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/ns3/named.conf CONF-C 2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/ns4/named.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/prereq.sh SH 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/setup.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/setup.sh SH 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/tests.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/stress/update.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/stub/clean.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/stub/knowngood.dig.out.norec X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/stub/knowngood.dig.out.rec X 2000,2001,2013,2018,2019,2020,2021,2022
./bin/tests/system/stub/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022

./bin/tests/system/stub/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/stub/ns2/child.example.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
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./bin/tests/system/stub/ns5/named.conf.in CONF-C 2020,2021,2022
./bin/tests/system/stub/setup.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/stub/tests.sh SH 2000,2001,2004,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/tcp/ans6/ans.py PYTHON 2019,2020,2021,2022
./bin/tests/system/tcp/clean.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/tcp/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/tcp/setup.sh SH 2018,2019,2020,2021,2022
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./bin/tests/system/testcrypto.sh SH 2014,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/testsock.pl PERL 2000,2001,2004,2007,2010,2011,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/testsock6.pl PERL 2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/testsummary.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/tkey/Makefile.in MAKE
2001,2002,2004,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/tkey/clean.sh SH 2001,2004,2007,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/tkey/keycreate.c C
2001,2004,2005,2007,2009,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/tkey/keydelete.c C
2001,2004,2005,2007,2009,2010,2011,2014,2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/tkey/ns1/setup.sh SH 2001,2004,2007,2009,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/tkey/prereq.sh SH 2001,2004,2006,2007,2009,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/tkey/setup.sh SH 2001,2004,2007,2009,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/tkey/tests.sh SH 2001,2004,2007,2009,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tests/system/tsig/badlocation X 2020,2021,2022
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./bin/tests/system/tsig/clean.sh SH 2005,2006,2007,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/tsig/ns1/example.db ZONE 2005,2006,2007,2009,2012,2016,2018,2019,2020,2021,2022
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./bin/tests/system/tsig/prereq.sh SH 2020,2021,2022
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./bin/tests/system/tsiggss/authsock.pl PERL 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/tsiggss/clean.sh SH 2010,2011,2014,2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/unknown/clean.sh SH
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./bin/tests/system/unknown/large.out X 2012,2018,2019,2020,2021,2022
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./bin/tests/system/unknown/ns3/sign.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/unknown/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/unknown/setup.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/unknown/tests.sh SH 2000,2001,2004,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/unknown/zones/nan.bad ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/ans4/ans.pl PERL 2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/clean.sh SH 2000,2001,2004,2007,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/knowngood.after1 X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/knowngood.after2 X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/knowngood.before X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/knowngood.ns2.before X 2000,2001,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/ns1/example1.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/upforwd/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/upforwd/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/upforwd/ns3/nomaster.db ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/prereq.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/setup.sh SH 2000,2001,2004,2007,2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/upforwd/tests.sh SH 2000,2001,2004,2007,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/verify/clean.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/verify/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022

./bin/tests/system/verify/setup.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/verify/tests.sh SH 2012,2013,2016,2017,2018,2019,2020,2021,2022
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./bin/tests/system/verify/zones/unsigned.db ZONE 2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/clean.sh SH
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./bin/tests/system/views/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/views/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/1.10.in-addr.arpa.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/clone.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/example1.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/example2.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/external/inline.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/internal.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/internal/inline.db ZONE 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/named1.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/views/ns2/named2.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/views/ns3/child.clone.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns3/internal.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns3/named1.conf.in CONF-C 2018,2019,2020,2021,2022
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./bin/tests/system/views/ns5/child.clone.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/views/setup.sh SH 2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/views/tests.sh SH 2000,2001,2004,2007,2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/clean.sh SH 2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns1/dlv.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns1/named.conf.in CONF-C 2012,2013,2016,2018,2019,2020,2021,2022
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./bin/tests/system/wildcard/ns1/nsec3.db.in ZONE 2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns1/private.nsec.db.in ZONE 2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns1/private.nsec3.db.in ZONE 2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns1/root.db.in ZONE 2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns1/sign.sh SH 2012,2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/wildcard/ns5/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/wildcard/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/setup.sh SH 2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/wildcard/tests.sh SH 2012,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/bigkey.dsp.in X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/bigkey.dsw X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/bigkey.mak.in X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/bigkey.vcxproj.filters.in X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/bigkey.vcxproj.in X 2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/win32/bigkey.vcxproj.user X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/feature-test.dsp.in X 2016,2018,2019,2020,2021,2022

./bin/tests/system/win32/feature-test.dsw X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/feature-test.vcxproj.filters.in X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/feature-test.vcxproj.in X 2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/win32/feature-test.vcxproj.user X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/gencheck.dsp.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/gencheck.mak.in X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/gencheck.vcxproj.filters.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/gencheck.vcxproj.user X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/keycreate.dsw X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/keycreate.vcxproj.filters.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/keycreate.vcxproj.user X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/keydelete.dsw X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/keydelete.vcxproj.filters.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/keydelete.vcxproj.user X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/lwtest.dsp.in X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/lwtest.dsw X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/lwtest.mak.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/lwtest.vcxproj.user X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/win32/pipequeries.dsw X 2016,2018,2019,2020,2021,2022
./bin/tests/system/win32/pipequeries.mak.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/system/xfer/ans5/badkeydata X 2011,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ans5/badmessageid X 2020,2021,2022
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./bin/tests/system/xfer/ans5/unsigned X 2011,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ans5/wrongkey X 2011,2018,2019,2020,2021,2022
./bin/tests/system/xfer/clean.sh SH
2000,2001,2004,2007,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
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./bin/tests/system/xfer/dig2.good X
2000,2001,2003,2004,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022

./bin/tests/system/xfer/knowngood.mapped X 2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns1/axfr-too-big.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns1/ixfr-too-big.db.in ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
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./bin/tests/system/xfer/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns2/slave.db.in ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns4/named.conf.base CONF-C 2011,2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns4/root.db.in ZONE 2011,2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns6/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns7/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns8/example.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/ns8/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xfer/prereq.sh SH 2011,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/setup.sh SH
2001,2002,2004,2007,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/xfer/tests.sh SH
2000,2001,2004,2005,2007,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/clean.sh SH 2000,2001,2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/ns1/changing1.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/ns1/changing2.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xferquota/ns1/root.db ZONE 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/ns2/example.db ZONE
2000,2001,2002,2003,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/xferquota/setup.pl PERL 2000,2001,2004,2007,2011,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/setup.sh SH 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/xferquota/tests.sh SH 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/ans5/ans.pl PERL 2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/clean.sh SH 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/zero/ns1/root.db ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/zero/ns2/tld.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/ns3/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/zero/ns3/root.hint ZONE 2013,2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/ns4/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/zero/ns4/one.tld.db ZONE 2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/prereq.sh SH 2018,2019,2020,2021,2022
./bin/tests/system/zero/setup.sh SH 2013,2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/zero/tests.sh SH 2013,2016,2017,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/a.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/aaaa.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/bigserial.db ZONE 2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/clean.sh SH 2004,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022

./bin/tests/system/zonechecks/cname.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/dname.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/noaddress.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/ns1/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/ns2/named.conf.in CONF-C 2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/nxdomain.db ZONE 2004,2007,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/prereq.sh SH 2014,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/setup.sh SH 2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/system/zonechecks/tests.sh SH 2004,2007,2009,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tests/testdata/wire/wire_test.data X 1999,2000,2001,2018,2019,2020,2021,2022
./bin/tests/testdata/wire/wire_test.data2 X 1999,2000,2001,2018,2019,2020,2021,2022
./bin/tests/testdata/wire/wire_test.data3 X 1999,2000,2001,2018,2019,2020,2021,2022
./bin/tests/testdata/wire/wire_test.data4 X 1999,2000,2001,2018,2019,2020,2021,2022
./bin/tests/virtual-time/Makefile.in MAKE 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/README TXT.BRIEF 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/clean.sh SH 2010,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/ns1/example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/ns1/named.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/ns1/root.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/ns1/sign.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/ns1/wrap.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/setup.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-ksk/tests.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-zsk/clean.sh SH 2010,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-zsk/ns1/example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
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./bin/tests/virtual-time/autosign-zsk/ns1/sign.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-zsk/ns1/wrap.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-zsk/setup.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/autosign-zsk/tests.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/cleanall.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/common/controls.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/common/rndc.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/common/root.hint ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/conf.sh.in SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/run.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/runall.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/setup.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/clean.sh SH 2010,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/ns1/example.db.in ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/ns1/named.conf CONF-C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/ns1/root.db ZONE 2010,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/ns1/wrap.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/setup.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/slave/tests.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/start.pl PERL 2010,2012,2015,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/start.sh SH 2010,2012,2016,2018,2019,2020,2021,2022

./bin/tests/virtual-time/stop.pl PERL 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/stop.sh SH 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/testsock.pl PERL 2010,2012,2016,2018,2019,2020,2021,2022
./bin/tests/virtual-time/vtwrapper.c C 2010,2016,2018,2019,2020,2021,2022
./bin/tests/win32/backtrace_test.dsp.in X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/backtrace_test.dsw X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/backtrace_test.mak.in X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/backtrace_test.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/tests/win32/backtrace_test.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/win32/backtrace_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/inter_test.dsp.in X 2013,2018,2019,2020,2021,2022
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./bin/tests/win32/inter_test.mak.in X 2013,2018,2019,2020,2021,2022
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./bin/tests/win32/inter_test.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/win32/inter_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/makejournal.dsp.in X 2016,2018,2019,2020,2021,2022
./bin/tests/win32/makejournal.dsw X 2016,2018,2019,2020,2021,2022
./bin/tests/win32/makejournal.mak.in X 2016,2018,2019,2020,2021,2022
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./bin/tests/win32/rwlock_test.dsp.in X 2013,2018,2019,2020,2021,2022
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./bin/tests/win32/rwlock_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/shutdown_test.dsp.in X 2013,2018,2019,2020,2021,2022
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./bin/tests/win32/shutdown_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
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./bin/tests/win32/sock_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
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./bin/tests/win32/task_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/timer_test.dsp.in X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/timer_test.dsw X 2013,2018,2019,2020,2021,2022

./bin/tests/win32/timer_test.mak.in X 2013,2018,2019,2020,2021,2022
./bin/tests/win32/timer_test.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/tests/win32/timer_test.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tests/win32/timer_test.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tests/wire_test.c C 1999,2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./bin/tools/Makefile.in MAKE 2009,2010,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/arpaname.1 MAN DOCBOOK
./bin/tools/arpaname.c C 2009,2015,2016,2018,2019,2020,2021,2022
./bin/tools/arpaname.docbook SGML 2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tools/arpaname.html HTML DOCBOOK
./bin/tools/dnstap-read.1 MAN DOCBOOK
./bin/tools/dnstap-read.c C 2015,2016,2018,2019,2020,2021,2022
./bin/tools/dnstap-read.docbook SGML 2015,2016,2018,2019,2020,2021,2022
./bin/tools/dnstap-read.html HTML DOCBOOK
./bin/tools/genrandom.8 MAN DOCBOOK
./bin/tools/genrandom.c C
2000,2001,2002,2003,2004,2005,2007,2009,2010,2012,2014,2016,2018,2019,2020,2021,2022
./bin/tools/genrandom.docbook SGML 2009,2010,2011,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tools/genrandom.html HTML DOCBOOK
./bin/tools/isc-hmac-fixup.8 MAN DOCBOOK
./bin/tools/isc-hmac-fixup.c C 2010,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tools/isc-hmac-fixup.docbook SGML 2010,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/isc-hmac-fixup.html HTML DOCBOOK
./bin/tools/mdig.1 MAN DOCBOOK
./bin/tools/mdig.c C 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/mdig.docbook SGML 2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/mdig.html HTML DOCBOOK
./bin/tools/named-journalprint.8 MAN DOCBOOK
./bin/tools/named-journalprint.c C
2000,2001,2004,2005,2006,2007,2008,2009,2015,2016,2018,2019,2020,2021,2022
./bin/tools/named-journalprint.docbook SGML 2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/named-journalprint.html HTML DOCBOOK
./bin/tools/named-nzd2nzf.8 MAN DOCBOOK
./bin/tools/named-nzd2nzf.c C 2016,2017,2018,2019,2020,2021,2022
./bin/tools/named-nzd2nzf.docbook SGML 2016,2018,2019,2020,2021,2022
./bin/tools/named-nzd2nzf.html HTML DOCBOOK
./bin/tools/named-rrchecker.1 MAN DOCBOOK
./bin/tools/named-rrchecker.c C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/named-rrchecker.docbook SGML 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tools/named-rrchecker.html HTML DOCBOOK
./bin/tools/nsec3hash.8 MAN DOCBOOK
./bin/tools/nsec3hash.c C 2006,2008,2009,2011,2014,2016,2018,2019,2020,2021,2022
./bin/tools/nsec3hash.docbook SGML 2009,2014,2015,2016,2018,2019,2020,2021,2022
./bin/tools/nsec3hash.html HTML DOCBOOK
./bin/tools/win32/arpaname.dsp.in X 2009,2013,2018,2019,2020,2021,2022
./bin/tools/win32/arpaname.dsw X 2009,2018,2019,2020,2021,2022
./bin/tools/win32/arpaname.mak.in X 2009,2013,2018,2019,2020,2021,2022
./bin/tools/win32/arpaname.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022

./bin/tools/win32/arpaname.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/win32/arpaname.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tools/win32/genrandom.dsp.in X 2009,2013,2018,2019,2020,2021,2022
./bin/tools/win32/genrandom.dsw X 2009,2018,2019,2020,2021,2022
./bin/tools/win32/genrandom.mak.in X 2009,2013,2018,2019,2020,2021,2022
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./bin/tools/win32/ischmacfixup.dsp.in X 2010,2013,2014,2016,2018,2019,2020,2021,2022
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./bin/tools/win32/ischmacfixup.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/win32/ischmacfixup.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tools/win32/journalprint.dsp.in X 2009,2013,2018,2019,2020,2021,2022
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./bin/tools/win32/journalprint.vcxproj.user X 2013,2018,2019,2020,2021,2022
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./bin/tools/win32/mdig.vcxproj.user X 2015,2018,2019,2020,2021,2022
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./bin/tools/win32/nsec3hash.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/tools/win32/nsec3hash.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/win32/nsec3hash.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/tools/win32/rrchecker.dsp.in X 2013,2018,2019,2020,2021,2022
./bin/tools/win32/rrchecker.dsw X 2013,2018,2019,2020,2021,2022
./bin/tools/win32/rrchecker.mak.in X 2013,2018,2019,2020,2021,2022
./bin/tools/win32/rrchecker.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./bin/tools/win32/rrchecker.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/tools/win32/rrchecker.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/AccountInfo.cpp C.PORTION
2001,2002,2004,2007,2009,2013,2016,2017,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/AccountInfo.h C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.cpp C.PORTION 2001,2004,2007,2009,2016,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.dsp.in X 2001,2007,2009,2013,2014,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.dsw X 2001,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.h C.PORTION 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.mak.in X 2001,2006,2007,2009,2013,2014,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.rc X 2001,2005,2009,2014,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022

./bin/win32/BINDInstall/BINDInstall.vcxproj.in X 2013,2014,2015,2016,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstall.vcxproj.user X 2013,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstallDlg.cpp C.PORTION
2001,2003,2004,2005,2006,2007,2008,2009,2010,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/BINDInstallDlg.h C.PORTION
2001,2004,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/DirBrowse.cpp C.PORTION 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/DirBrowse.h C.PORTION 2001,2004,2007,2016,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/StdAfx.cpp X 2001,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/StdAfx.h X 2001,2006,2011,2013,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/VersionInfo.cpp X 2001,2008,2015,2017,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/VersionInfo.h X 2001,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/res/BINDInstall.ico X 2001,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/res/BINDInstall.rc2 X 2001,2018,2019,2020,2021,2022
./bin/win32/BINDInstall/resource.h X 2001,2005,2009,2018,2019,2020,2021,2022
./bind.keys X 2009,2010,2011,2017,2018,2019,2020,2021,2022
./bind.keys.h X 2009,2010,2011,2012,2014,2017,2018,2019,2020,2021,2022
./cocci/unreachable.spatch X 2018,2019,2020,2021,2022
./config.guess X 1998,1999,2000,2001,2004,2009,2013,2018,2019,2020,2021,2022
./config.h.in X
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,201
8,2019,2020,2021,2022
./config.h.win32 C
1999,2000,2001,2004,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./config.sub X 1998,1999,2000,2001,2004,2013,2018,2019,2020,2021,2022
./config.threads.in X 2005,2006,2010,2011,2012,2013,2018,2019,2020,2021,2022
./configure X
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8,2019,2020,2021,2022
./configure.ac SH
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,201
8,2019,2020,2021,2022
./conftools/perllib/dnsconf/DNSConf-macros.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./conftools/perllib/dnsconf/DNSConf.i C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./conftools/perllib/dnsconf/Makefile.PL PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./conftools/perllib/dnsconf/named1.conf CONF-C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./conftools/perllib/dnsconf/test.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./contrib/README X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./contrib/dane/mkdane.sh X 2012,2018,2019,2020,2021,2022
./contrib/dane/tlsa6698.pem X 2012,2018,2019,2020,2021,2022
./contrib/dlz/bin/dlzbdb/Makefile.in X 2005,2007,2009,2011,2012,2015,2016,2018,2019,2020,2021,2022
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./contrib/dlz/config.dlz.in X 2005,2006,2008,2010,2011,2014,2016,2017,2018,2019,2020,2021,2022
./contrib/dlz/drivers/dlz_bdb_driver.c X 2005,2008,2010,2011,2012,2016,2018,2019,2020,2021,2022
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./contrib/dlz/drivers/dlz_ldap_driver.c X 2005,2010,2011,2012,2016,2018,2019,2020,2021,2022
./contrib/dlz/drivers/dlz_mysql_driver.c X 2005,2007,2009,2010,2011,2012,2016,2018,2019,2020,2021,2022
./contrib/dlz/drivers/dlz_odbc_driver.c X 2005,2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
./contrib/dlz/drivers/dlz_postgres_driver.c X 2005,2007,2010,2011,2012,2014,2016,2018,2019,2020,2021,2022
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./contrib/dlz/drivers/include/dlz/dlz_bdb_driver.h X 2005,2018,2019,2020,2021,2022
./contrib/dlz/drivers/include/dlz/dlz_bdbhpt_driver.h X 2005,2018,2019,2020,2021,2022
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./contrib/dlz/drivers/include/dlz/dlz_mysql_driver.h X 2005,2018,2019,2020,2021,2022
./contrib/dlz/drivers/include/dlz/dlz_odbc_driver.h X 2005,2018,2019,2020,2021,2022
./contrib/dlz/drivers/include/dlz/dlz_postgres_driver.h X 2005,2018,2019,2020,2021,2022
./contrib/dlz/drivers/include/dlz/dlz_stub_driver.h X 2005,2018,2019,2020,2021,2022
./contrib/dlz/drivers/include/dlz/sdlz_helper.h X 2005,2018,2019,2020,2021,2022
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./contrib/dlz/example/win32/dxdriver.def X 2011,2018,2019,2020,2021,2022
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./contrib/dlz/modules/bdbhpt/README.md X 2013,2015,2018,2019,2020,2021,2022
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./contrib/dlz/modules/bdbhpt/testing/dns-data.txt X 2013,2015,2018,2019
./contrib/dlz/modules/bdbhpt/testing/named.conf X 2015,2018,2019,2020,2021,2022
./contrib/dlz/modules/common/dlz_dbi.c X 2013,2014,2016,2018,2019,2020,2021,2022
./contrib/dlz/modules/filesystem/Makefile X 2013,2018,2019,2020,2021,2022
./contrib/dlz/modules/filesystem/dir.c X 2013,2018,2019,2020,2021,2022
./contrib/dlz/modules/filesystem/dir.h X 2013,2018,2019,2020,2021,2022
./contrib/dlz/modules/filesystem/dlz_filesystem_dynamic.c X 2013,2015,2016,2018,2019,2020,2021,2022
./contrib/dlz/modules/include/dlz_dbi.h X 2013,2018,2019,2020,2021,2022
./contrib/dlz/modules/include/dlz_list.h X 2013,2016,2018,2019,2020,2021,2022
./contrib/dlz/modules/include/dlz_minimal.h X 2013,2014,2018,2019,2020,2021,2022
./contrib/dlz/modules/include/dlz_pthread.h X 2013,2014,2015,2018,2019,2020,2021,2022
./contrib/dlz/modules/ldap/Makefile X 2013,2018,2019,2020,2021,2022
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./contrib/dlz/modules/ldap/testing/example.ldif X 2013,2018,2019,2020,2021,2022

./contrib/dlz/modules/ldap/testing/named.conf X 2013,2018,2019,2020,2021,2022
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./contrib/dlz/modules/perl/dlz_perl_callback_clientinfo.xs X 2013,2018,2019,2020,2021,2022
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./contrib/dlz/modules/sqlite3/testing/dlz.schema X 2014,2018,2019,2020,2021,2022
./contrib/dlz/modules/sqlite3/testing/named.conf X 2014,2018,2019,2020,2021,2022
./contrib/dlz/modules/wildcard/Makefile X 2013,2018,2019,2020,2021,2022
./contrib/dlz/modules/wildcard/README X 2013,2018,2019,2020,2021,2022
./contrib/dlz/modules/wildcard/dlz_wildcard_dynamic.c X 2013,2015,2016,2018,2019,2020,2021,2022
./contrib/dlz/modules/wildcard/testing/named.conf X 2013,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/Makefile.in X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/README X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/RELEASE_NOTES X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/aclocal.m4 X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/acx_pthread.m4 X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/config.guess X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/config.sub X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/configure X 2016,2017,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/configure.in X 2016,2017,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/contrib/queryparse/INSTALL X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/contrib/queryparse/USAGE X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/contrib/queryparse/queryparse X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/contrib/queryparse/queryparse.1 X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/datafile.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/datafile.h X 2016,2018,2019,2020,2021,2022

./contrib/dnsperf-2.1.0.0-1/dns.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/dns.h X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/dnsperf.1 X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/dnsperf.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/doc/caching-dns-performance.pdf X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/doc/dnsperf.pdf X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/doc/resperf.pdf X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/install-sh X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/log.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/log.h X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/net.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/net.h X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/opt.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/opt.h X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/os.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/os.h X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/resperf-report X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/resperf.1 X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/resperf.c X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/util.h X 2016,2018,2019,2020,2021,2022
./contrib/dnsperf-2.1.0.0-1/version.h X 2016,2018,2019,2020,2021,2022
./contrib/dnspriv/README.md MKD 2017,2018,2019,2020,2021,2022
./contrib/dnspriv/named.conf CONF-C 2017,2018,2019,2020,2021,2022
./contrib/dnspriv/nginx.conf SH 2017,2018,2019,2020,2021,2022
./contrib/idn/README.idnkit X 2005,2009,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/ChangeLog X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/DISTFILES X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/INSTALL X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/INSTALL.ja X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/LICENSE.txt X 2003,2018,2019
./contrib/idn/idnkit-1.0-src/Makefile.in X 2003,2004,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/NEWS X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/README X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/README.ja X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/acconfig.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/aclocal.m4 X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/config.guess X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/config.sub X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/configure X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/configure.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/config.h.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/config.h.win X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/aliaslist.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/api.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/assert.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/checker.h X 2003,2018,2019,2020,2021,2022

./contrib/idn/idnkit-1.0-src/include/idn/converter.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/debug.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/delimitermap.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/export.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/filechecker.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/filemapper.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/localencoding.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/log.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/logmacro.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/mapper.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/mapselector.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/nameprep.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/normalizer.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/punycode.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/race.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/res.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/resconf.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/result.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/strhash.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/ucs4.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/ucsmap.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/ucsset.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/unicode.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/unormalize.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/utf8.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/util.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/idn/version.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/api.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/localencoding.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/log.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/res.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/resconf.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/result.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/utf8.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/include/mdn/version.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/install-sh X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/Makefile.in X 2003,2004,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/aliaslist.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/aliaslist.sh X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/api.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/checker.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/converter.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/debug.c X 2003,2018,2019,2020,2021,2022
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./contrib/idn/idnkit-1.0-src/lib/filemapper.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/idn.conf.sample.in X 2003,2018,2019,2020,2021,2022

./contrib/idn/idnkit-1.0-src/lib/localencoding.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/log.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/mapper.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/mapselector.c X 2003,2018,2019,2020,2021,2022
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./contrib/idn/idnkit-1.0-src/lib/nameprep_template.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/namepredata.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/normalizer.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/punycode.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/race.c X 2003,2018,2019,2020,2021,2022
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./contrib/idn/idnkit-1.0-src/lib/resconf.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/result.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/strhash.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/Makefile.in X 2003,2004,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init1.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init2.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init3.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init4-1.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init4-2.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init4-3.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init5-1.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init5-2.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api-init5-3.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/api.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/checker.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/codeset.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/converter.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/delimitermap.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/iconvchk.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/mapper.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/mapselector.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/nameprep.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/normalizer.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/res.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/resconf.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/setenv.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/setenv.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/testsuite.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/testsuite.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/testutil.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/testutil.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/testygen X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/ucs4.tsy X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/tests/utffilter X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/ucs4.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/ucsmap.c X 2003,2018,2019,2020,2021,2022

./contrib/idn/idnkit-1.0-src/lib/ucsset.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/unicode.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/unicode_template.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/unicodedata_320.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/unormalize.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/utf8.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/util.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/lib/version.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/ltconfig X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/ltmain.sh X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/man/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/man/idn.conf.5.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/man/libidnkit.3.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/map/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/map/jp.map X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/mkinstalldirs X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/patch/bind9/bind-9.2.1-patch X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/patch/bind9/bind-9.2.2-patch X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/idnconv.1 X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/idnconv.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/idnslookup.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/selectiveencode.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/selectiveencode.h X 2003,2009,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/util.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/idnconv/util.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/rpm/idnkit.spec X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/Makefile.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/resolver.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/resolver.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/runidn.1 X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/runidn.in X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/stub.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/tools/runidn/stub.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/util/Makefile X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/util/SparseMap.pm X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/util/UCD.pm X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/util/generate_nameprep_data.pl X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/util/generate_normalize_data.pl X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/win/README.WIN X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/README.txt X 2003,2018,2019
./contrib/idn/idnkit-1.0-src/wsock/README_j.txt X 2003,2018,2019
./contrib/idn/idnkit-1.0-src/wsock/common/checkdll.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/common/convert.c X 2003,2018,2019,2020,2021,2022

./contrib/idn/idnkit-1.0-src/wsock/common/dump.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/common/encoding.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/common/hook.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/common/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/common/printf.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/common/wrapcommon.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/config/idnconf.tcl X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/config/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/dlldef.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/dllfunc.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/dllload.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/dllmain.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/dllstub.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock11/wsock32.def X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/dlldef.h X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/dllfunc.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/dllload.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/dllmain.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/dllstub.c X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/make.wnt X 2003,2018,2019,2020,2021,2022
./contrib/idn/idnkit-1.0-src/wsock/wsock20/ws2_32.def X 2003,2018,2019,2020,2021,2022
./contrib/kasp/README X 2016,2018,2019,2020,2021,2022
./contrib/kasp/kasp.xml X 2016,2018,2019,2020,2021,2022
./contrib/kasp/kasp2policy.py X 2016,2018,2019,2020,2021,2022
./contrib/kasp/policy.good X 2016,2018,2019,2020,2021,2022
./contrib/perftcpdns/Makefile.in MAKE 2014,2016,2018,2019,2020,2021,2022
./contrib/perftcpdns/configure X 2014,2018,2019,2020,2021,2022
./contrib/perftcpdns/configure.in SH 2014,2016,2018,2019,2020,2021,2022
./contrib/perftcpdns/perftcpdns.c C 2013,2014,2016,2018,2019,2020,2021,2022
./contrib/queryperf/Makefile.in X 2001,2004,2018,2019,2020,2021,2022
./contrib/queryperf/README X 2001,2018,2019,2020,2021,2022
./contrib/queryperf/config.h.in X 2007,2018,2019,2020,2021,2022
./contrib/queryperf/configure X 2001,2002,2004,2007,2012,2018,2019,2020,2021,2022
./contrib/queryperf/configure.in X 2001,2004,2007,2012,2018,2019,2020,2021,2022
./contrib/queryperf/input/sample.0 X 2001,2018,2019,2020,2021,2022
./contrib/queryperf/input/sample.1 X 2001,2018,2019,2020,2021,2022
./contrib/queryperf/missing/addrinfo.h X 2004,2018,2019,2020,2021,2022
./contrib/queryperf/missing/getaddrinfo.c X 2004,2018,2019,2020,2021,2022
./contrib/queryperf/missing/getnameinfo.c X 2004,2018,2019,2020,2021,2022
./contrib/queryperf/queryperf.c X 2001,2002,2003,2004,2005,2007,2012,2013,2014,2018,2019,2020,2021,2022
./contrib/queryperf/utils/gen-data-queryperf.py X 2003,2008,2016,2018,2019,2020,2021,2022
./contrib/scripts/catzhash.py X 2020,2021,2022
./contrib/scripts/check-secure-delegation.pl.in PERL 2010,2012,2014,2016,2018,2019,2020,2021,2022
./contrib/scripts/check5011.pl X 2013,2014,2017,2018,2019,2020,2021,2022
./contrib/scripts/dnssec-keyset.sh X 2015,2018,2019,2020,2021,2022
./contrib/scripts/named-bootconf.sh SH.PORTION

1999,2000,2001,2004,2006,2007,2012,2014,2016,2018,2019,2020,2021,2022
./contrib/scripts/nanny.pl PERL 2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./contrib/scripts/zone-edit.sh.in SH 2010,2012,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/bdb/README X 2002,2018,2019,2020,2021,2022
./contrib/sdb/bdb/bdb.c X 2002,2011,2014,2018,2019,2020,2021,2022
./contrib/sdb/bdb/bdb.h X 2002,2018,2019,2020,2021,2022
./contrib/sdb/bdb/zone2bdb.c X 2002,2008,2009,2018,2019,2020,2021,2022
./contrib/sdb/dir/dirdb.c C 2000,2001,2004,2007,2011,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/dir/dirdb.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./contrib/sdb/ldap/INSTALL.ldap X 2001,2002,2004,2018,2019,2020,2021,2022
./contrib/sdb/ldap/README.ldap X 2001,2002,2004,2018,2019,2020,2021,2022
./contrib/sdb/ldap/README.zone2ldap X 2001,2015,2018,2019,2020,2021,2022
./contrib/sdb/ldap/ldapdb.c X 2001,2002,2003,2004,2011,2014,2018,2019,2020,2021,2022
./contrib/sdb/ldap/ldapdb.h X 2001,2018,2019,2020,2021,2022
./contrib/sdb/ldap/zone2ldap.1 X 2001,2018,2019,2020,2021,2022
./contrib/sdb/ldap/zone2ldap.c X 2001,2005,2008,2009,2011,2015,2016,2018,2019,2020,2021,2022
./contrib/sdb/pgsql/pgsqldb.c C 2000,2001,2004,2007,2011,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/pgsql/pgsqldb.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./contrib/sdb/pgsql/zonetodb.c C 2000,2001,2002,2004,2005,2007,2008,2009,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/sqlite/README.sdb_sqlite X 2007,2018,2019,2020,2021,2022
./contrib/sdb/sqlite/sqlitedb.c X 2007,2011,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/sqlite/sqlitedb.h X 2007,2016,2018,2019,2020,2021,2022
./contrib/sdb/sqlite/zone2sqlite.c X 2007,2008,2009,2010,2013,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/tcl/lookup.tcl TCL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./contrib/sdb/tcl/tcldb.c C 2000,2001,2004,2007,2011,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/tcl/tcldb.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./contrib/sdb/time/timedb.c C 2000,2001,2004,2007,2011,2014,2016,2018,2019,2020,2021,2022
./contrib/sdb/time/timedb.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./dangerfile.py PYTHON 2020,2021,2022
./doc/Makefile.in MAKE 2000,2001,2004,2005,2006,2007,2012,2015,2016,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM-book.xml SGML
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./doc/arm/Bv9ARM.ch01.html X
2000,2001,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./doc/arm/Bv9ARM.ch02.html X
2000,2001,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./doc/arm/Bv9ARM.ch03.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./doc/arm/Bv9ARM.ch04.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./doc/arm/Bv9ARM.ch05.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022

./doc/arm/Bv9ARM.ch06.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch07.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch08.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch09.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch10.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch11.html X 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch12.html X 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.ch13.html X 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.conf X 2015,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.html X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Bv9ARM.pdf X 2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/Makefile.in MAKE
2001,2002,2004,2005,2006,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./doc/arm/README-SGML TXT.BRIEF 2000,2001,2004,2015,2016,2018,2019,2020,2021,2022
./doc/arm/acl.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/catz.xml SGML 2016,2017,2018,2019,2020,2021,2022
./doc/arm/controls.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/delegation-only.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/dlz.xml SGML 2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./doc/arm/dnssec.xml SGML 2010,2011,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/dyndb.xml SGML 2015,2016,2018,2019,2020,2021,2022
./doc/arm/forward.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/hint.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/in-view.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/isc-logo.pdf X 2005,2010,2018,2019,2020,2021,2022
./doc/arm/key.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/libdns.xml SGML 2010,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/logging-categories.xml SGML 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/logging.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/man.arpaname.html X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.ddns-confgen.html X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.delv.html X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dig.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-checkds.html X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-coverage.html X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-dsfromkey.html X

2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-importkey.html X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-keyfromlabel.html X
2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-keygen.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-keymgr.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-revoke.html X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-settime.html X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-signzone.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnssec-verify.html X 2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.dnstap-read.html X 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.genrandom.html X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.host.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.isc-hmac-fixup.html X 2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.lwresd.html X 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.mdig.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named-checkconf.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named-checkzone.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named-journalprint.html X
2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named-nzd2nzf.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named-rrchecker.html X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named.conf.html X 2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.named.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.nsec3hash.html X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.nslookup.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.nsupdate.html X 2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.pkcs11-destroy.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.pkcs11-keygen.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.pkcs11-list.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.pkcs11-tokens.html X 2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.rndc-confgen.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.rndc.conf.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/man.rndc.html X
2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/managed-keys.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/managed-keys.xml SGML 2010,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/master.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/masters.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/notes-9.11.0.xml SGML 2019,2020,2021,2022

./doc/arm/notes-9.11.1.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.10.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.11.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.12.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.13.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.14.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.15.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.16.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.17.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.18.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.19.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.2.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.20.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.21.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.22.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.23.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.24.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.25.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.26.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.27.xml SGML 2020,2021,2022
./doc/arm/notes-9.11.28.xml SGML 2021,2022
./doc/arm/notes-9.11.29.xml SGML 2021,2022
./doc/arm/notes-9.11.3.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.30.xml SGML 2021,2022
./doc/arm/notes-9.11.31.xml SGML 2021,2022
./doc/arm/notes-9.11.32.xml SGML 2021,2022
./doc/arm/notes-9.11.33.xml SGML 2021,2022
./doc/arm/notes-9.11.34.xml SGML 2021,2022
./doc/arm/notes-9.11.35.xml SGML 2021,2022
./doc/arm/notes-9.11.36.xml SGML 2021,2022
./doc/arm/notes-9.11.37.xml SGML 2021,2022
./doc/arm/notes-9.11.4.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.5.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.6.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.7.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.8.xml SGML 2019,2020,2021,2022
./doc/arm/notes-9.11.9.xml SGML 2019,2020,2021,2022
./doc/arm/notes-download.xml SGML 2019,2020,2021,2022
./doc/arm/notes-eol.xml SGML 2019,2020,2021,2022
./doc/arm/notes-intro.xml SGML 2019,2020,2021,2022
./doc/arm/notes-license.xml SGML 2019,2020,2021,2022
./doc/arm/notes-thankyou.xml SGML 2019,2020,2021,2022
./doc/arm/notes-wrapper.xml SGML 2014,2015,2016,2018,2019,2020,2021,2022
./doc/arm/notes.conf X 2015,2018,2019,2020,2021,2022
./doc/arm/notes.html X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/notes.pdf X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/notes.xml SGML 2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/arm/noteversion.xml.in SGML 2015,2016,2018,2019,2020,2021,2022

./doc/arm/options.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/pkcs11.xml SGML 2010,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./doc/arm/pkgversion.xml.in SGML 2015,2016,2018,2019,2020,2021,2022
./doc/arm/redirect.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/releaseinfo.xml.in SGML 2015,2016,2018,2019,2020,2021,2022
./doc/arm/server.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/slave.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/static-stub.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/statistics-channels.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/arm/stub.zoneopt.xml SGML 2018,2019,2020,2021,2022
./doc/arm/trusted-keys.grammar.xml SGML 2018,2019,2020,2021,2022
./doc/design/addressdb TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/cds-child TXT.BRIEF 2015,2016,2018,2019,2020,2021,2022
./doc/design/compression TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/database TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/db_rules TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/decompression TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/dispatch TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/dscp TXT.BRIEF 2013,2016,2018,2019,2020,2021,2022
./doc/design/keydone TXT.BRIEF 2011,2016,2018,2019,2020,2021,2022
./doc/design/logging TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/lwres TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/ncache TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/rdataset TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/red-black TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/resolver TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/search TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/tasks TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/unsupported-algorithms-in-bind9 TXT.BRIEF 2019,2020,2021,2022
./doc/design/verify TXT.BRIEF 2012,2016,2018,2019,2020,2021,2022
./doc/design/windows-nt TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/design/zone TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/dev/DBC TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/dev/autoconf TXT.BRIEF 2001,2002,2004,2016,2018,2019,2020,2021,2022
./doc/dev/coding.html HTML 1999,2000,2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./doc/dev/cvs-usage TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/dev/dev.md MKD 2017,2018,2019,2020,2021,2022
./doc/dev/magic_numbers TXT.BRIEF 1999,2000,2001,2002,2004,2016,2018,2019,2020,2021,2022
./doc/dev/rdata.md MKD 1999,2000,2001,2004,2007,2016,2017,2018,2019,2020,2021,2022
./doc/dev/release TXT.BRIEF
2000,2001,2002,2003,2004,2005,2006,2007,2009,2014,2016,2018,2019,2020,2021,2022
./doc/dev/results TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/dev/style.md MKD 2017,2018,2019,2020,2021,2022
./doc/dev/tests TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/dev/unexpected TXT.BRIEF 1999,2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/doxygen/Doxyfile.in X 2006,2017,2018,2019,2020,2021,2022
./doc/doxygen/Makefile.in MAKE 2006,2007,2012,2015,2016,2018,2019,2020,2021,2022
./doc/doxygen/doxygen-input-filter.in PERL 2006,2007,2012,2016,2018,2019,2020,2021,2022

./doc/doxygen/isc-footer.html HTML 2006,2007,2016,2018,2019,2020,2021,2022
./doc/doxygen/isc-header.html HTML 2006,2007,2016,2018,2019,2020,2021,2022
./doc/doxygen/mainpage X 2006,2018,2019,2020,2021,2022
./doc/misc/Makefile.in MAKE 2001,2004,2007,2009,2012,2016,2017,2018,2019,2020,2021,2022
./doc/misc/delegation-only.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/dnssec TXT.BRIEF 2000,2001,2002,2004,2016,2018,2019,2020,2021,2022
./doc/misc/docbook-grammars.pl PERL 2018,2019,2020,2021,2022
./doc/misc/docbook-options.pl PERL 2017,2018,2019,2020,2021,2022
./doc/misc/docbook-zoneopt.pl PERL 2018,2019,2020,2021,2022
./doc/misc/format-options.pl PERL 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./doc/misc/forward.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/hint.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/in-view.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/ipv6 TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/misc/master.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/migration TXT.BRIEF 2000,2001,2003,2004,2007,2008,2016,2018,2019,2020,2021,2022
./doc/misc/migration-4to9 TXT.BRIEF 2001,2004,2016,2018,2019,2020,2021,2022
./doc/misc/options X
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./doc/misc/redirect.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/rfc-compliance TXT.BRIEF 2001,2004,2015,2016,2018,2019,2020,2021,2022
./doc/misc/roadmap TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/misc/sdb TXT.BRIEF 2000,2001,2004,2016,2018,2019,2020,2021,2022
./doc/misc/slave.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/sort-options.pl PERL 2007,2012,2016,2018,2019,2020,2021,2022
./doc/misc/static-stub.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/stub.zoneopt X 2018,2019,2020,2021,2022
./doc/misc/tcp-fast-open TXT.BRIEF 2016,2017,2018,2019,2020,2021,2022
./doc/tex/Makefile.in MAKE 2015,2016,2018,2019,2020,2021,2022
./doc/tex/armstyle.sty.in X 2015,2018,2019,2020,2021,2022
./doc/tex/notestyle.sty X 2015,2018,2019,2020,2021,2022
./doc/xsl/Makefile.in MAKE 2005,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./doc/xsl/arm-param.xsl SGML 2015,2016,2018,2019,2020,2021,2022
./doc/xsl/copyright.xsl SGML 2005,2007,2009,2015,2016,2018,2019,2020,2021,2022
./doc/xsl/graphics/caution.eps X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/caution.pdf X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/important.eps X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/important.pdf X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/note.eps X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/note.pdf X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/tip.eps X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/tip.pdf X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/warning.eps X 2015,2018,2019,2020,2021,2022
./doc/xsl/graphics/warning.pdf X 2015,2018,2019,2020,2021,2022
./doc/xsl/isc-docbook-chunk.xsl.in SGML 2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./doc/xsl/isc-docbook-html.xsl.in SGML 2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./doc/xsl/isc-docbook-text.xsl SGML 2005,2007,2015,2016,2018,2019,2020,2021,2022

./doc/xsl/isc-manpage.xsl.in SGML 2005,2007,2015,2016,2018,2019,2020,2021,2022
./doc/xsl/isc-notes-html.xsl.in SGML 2015,2016,2018,2019,2020,2021,2022
./doc/xsl/notes-param.xsl SGML 2015,2016,2018,2019,2020,2021,2022
./doc/xsl/pre-latex.xsl SGML 2005,2007,2015,2016,2018,2019,2020,2021,2022
./docutil/HTML_COPYRIGHT X 2001,2004,2016,2018,2019,2020,2021,2022
./docutil/MAN_COPYRIGHT X 2001,2004,2016,2018,2019,2020,2021,2022
./docutil/patch-db2latex-duplicate-template-bug X 2007,2018,2019,2020,2021,2022
./docutil/patch-db2latex-nested-param-bug X 2007,2018,2019,2020,2021,2022
./docutil/patch-db2latex-xsltproc-title-bug X 2007,2018,2019,2020,2021,2022
./install-sh X 1998,1999,2000,2001,2018,2019,2020,2021,2022
./isc-config.sh.1 MAN DOCBOOK
./isc-config.sh.docbook SGML 2009,2014,2015,2016,2018,2019,2020,2021,2022
./isc-config.sh.html HTML DOCBOOK
./isc-config.sh.in SH 2000,2001,2003,2004,2007,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/Makefile.in MAKE 1998,1999,2000,2001,2003,2004,2007,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/bind9/Makefile.in MAKE 2001,2004,2007,2009,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/bind9/api X 2001,2006,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/bind9/check.c C
2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/bind9/getaddresses.c C 2001,2002,2004,2005,2007,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/bind9/include/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/bind9/include/bind9/Makefile.in MAKE 2001,2004,2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/bind9/include/bind9/check.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/bind9/include/bind9/getaddresses.h C 2001,2004,2005,2006,2007,2009,2016,2017,2018,2019,2020,2021,2022
./lib/bind9/include/bind9/version.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/bind9/version.c C 2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/bind9/win32/DLLMain.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.def X 2001,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.dsp.in X 2001,2004,2005,2009,2011,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.dsw X 2001,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.mak.in X
2001,2002,2004,2005,2006,2009,2011,2013,2014,2015,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.vcxproj.filters.in X 2013,2015,2016,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/bind9/win32/libbind9.vcxproj.user X 2013,2018,2019,2020,2021,2022
./lib/bind9/win32/version.c C 1998,1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/dns/Makefile.in MAKE
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/acache.c C 2004,2005,2006,2007,2008,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/acl.c C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2013,2014,2016,2018,2019,2020,2021,2022
./lib/dns/adb.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022

./lib/dns/api X
1999,2000,2001,2006,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/badcache.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/byaddr.c C 2000,2001,2002,2003,2004,2005,2007,2009,2013,2016,2017,2018,2019,2020,2021,2022
./lib/dns/cache.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/callbacks.c C 1999,2000,2001,2004,2005,2007,2011,2012,2015,2016,2018,2019,2020,2021,2022
./lib/dns/catz.c C 2016,2017,2018,2019,2020,2021,2022
./lib/dns/client.c C 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/clientinfo.c C 2011,2014,2016,2018,2019,2020,2021,2022
./lib/dns/compress.c C 1999,2000,2001,2004,2005,2006,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/db.c C
1999,2000,2001,2003,2004,2005,2007,2008,2009,2011,2012,2013,2015,2016,2018,2019,2020,2021,2022
./lib/dns/dbiterator.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/dbtable.c C 1999,2000,2001,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./lib/dns/diff.c C
2000,2001,2002,2003,2004,2005,2007,2008,2009,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/dispatch.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/dlz.c C.PORTION
1999,2000,2001,2005,2007,2009,2010,2011,2012,2013,2015,2016,2018,2019,2020,2021,2022
./lib/dns/dns64.c C 2010,2011,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/dnssec.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./lib/dns/dnstap.c C 2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/dnstap.proto X 2015,2018,2019,2020,2021,2022
./lib/dns/ds.c C 2002,2003,2004,2005,2006,2007,2010,2012,2014,2016,2018,2019,2020,2021,2022
./lib/dns/dst_api.c C.NAI
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./lib/dns/dst_gost.h C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/dst_internal.h C.NAI
2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/dst_lib.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/dst_openssl.h C 2002,2004,2005,2007,2008,2009,2011,2012,2015,2016,2018,2019,2020,2021,2022
./lib/dns/dst_parse.c C.NAI
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/dst_parse.h C.NAI
2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2012,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/dst_pkcs11.h C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/dst_result.c C 1999,2000,2001,2004,2005,2007,2008,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/dyndb.c C 2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/ecdb.c C 2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022

./lib/dns/fixedname.c C 2018,2019,2020,2021,2022
./lib/dns/forward.c C 2000,2001,2004,2005,2007,2009,2013,2016,2018,2019,2020,2021,2022
./lib/dns/gen-unix.h C 1999,2000,2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./lib/dns/gen-win32.h C 1999,2000,2001,2004,2005,2006,2007,2009,2014,2016,2018,2019,2020,2021,2022
./lib/dns/gen.c C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/geoip.c C 2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/geoip2.c C 2019,2020,2021,2022
./lib/dns/gssapi_link.c C
2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/gssapictx.c C
2000,2001,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/hmac_link.c C.NAI
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/Makefile.in MAKE 1998,1999,2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/Makefile.in MAKE
1998,1999,2000,2001,2002,2003,2004,2007,2008,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/acache.h C 2004,2006,2007,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/acl.h C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2011,2013,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/adb.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2011,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/badcache.h C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/bit.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/byaddr.h C 2000,2001,2002,2003,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/cache.h C
1999,2000,2001,2004,2005,2006,2007,2009,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/callbacks.h C
1999,2000,2001,2002,2004,2005,2006,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/catz.h C 2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/cert.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/client.h C 2009,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/clientinfo.h C 2011,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/compress.h C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/db.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/dbiterator.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/dbtable.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/diff.h C
2000,2001,2004,2005,2006,2007,2008,2009,2010,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/dispatch.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,202

0,2021,2022
./lib/dns/include/dns/dlz.h C.PORTION
1999,2000,2001,2005,2006,2007,2009,2010,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/dlz_dlopen.h C 2011,2012,2013,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/dns64.h C 2010,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/dnssec.h C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,202
2
./lib/dns/include/dns/dnstap.h C 2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/ds.h C 2002,2004,2005,2006,2007,2010,2012,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/dsdigest.h C 2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/dyndb.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/ecdb.h C 2009,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/edns.h C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/events.h C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2010,2011,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/fixedname.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/forward.h C 2000,2001,2004,2005,2006,2007,2009,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/geoip.h C 2013,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/ipkeylist.h C 2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/iptable.h C 2007,2012,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/journal.h C
1999,2000,2001,2004,2005,2006,2007,2008,2009,2011,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/keydata.h C 2009,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/keyflags.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/keytable.h C 2000,2001,2004,2005,2007,2009,2010,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/keyvalues.h C
1999,2000,2001,2003,2004,2005,2006,2007,2008,2009,2010,2012,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/lib.h C 1999,2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/log.h C
1999,2000,2001,2003,2004,2005,2006,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/include/dns/lookup.h C 2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/master.h C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/masterdump.h C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/message.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/include/dns/name.h C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2009,2010,2011,2012,2013,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/include/dns/ncache.h C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/nsec.h C
1999,2000,2001,2003,2004,2005,2006,2007,2008,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/nsec3.h C 2008,2009,2010,2011,2012,2013,2016,2017,2018,2019,2020,2021,2022

./lib/dns/include/dns/nta.h C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/opcode.h C 2002,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/order.h C 2002,2004,2005,2006,2007,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/peer.h C
2000,2001,2003,2004,2005,2006,2007,2008,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/portlist.h C 2003,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/private.h C 2009,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rbt.h C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/include/dns/rcode.h C 1999,2000,2001,2004,2005,2006,2007,2008,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rdata.h C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2016,2017,2018,2019,2020,202
1,2022
./lib/dns/include/dns/rdataclass.h C 1998,1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rdatalist.h C 1999,2000,2001,2004,2005,2006,2007,2008,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rdataset.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2014,2015,2016,2018,2019,2020,202
1,2022
./lib/dns/include/dns/rdatasetiter.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rdataslab.h C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rdatatype.h C
1998,1999,2000,2001,2004,2005,2006,2007,2008,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/request.h C
2000,2001,2002,2004,2005,2006,2007,2009,2010,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/resolver.h C
1999,2000,2001,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/include/dns/result.h C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,201
9,2020,2021,2022
./lib/dns/include/dns/rootns.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rpz.h C 2011,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/rriterator.h C 2009,2011,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/rrl.h C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/sdb.h C 2000,2001,2004,2005,2006,2007,2009,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/sdlz.h C.PORTION
1999,2000,2001,2005,2006,2007,2009,2010,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/secalg.h C 1999,2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/secproto.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/soa.h C 2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/ssu.h C
2000,2001,2003,2004,2005,2006,2007,2008,2010,2011,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dns/stats.h C
2000,2001,2004,2005,2006,2007,2008,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/tcpmsg.h C 1999,2000,2001,2004,2005,2006,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/time.h C 1999,2000,2001,2004,2005,2006,2007,2012,2016,2018,2019,2020,2021,2022

./lib/dns/include/dns/timer.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/tkey.h C
1999,2000,2001,2004,2005,2006,2007,2009,2010,2011,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/tsec.h C 2009,2010,2012,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/tsig.h C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2010,2011,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/ttl.h C 1999,2000,2001,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/types.h C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,201
8,2019,2020,2021,2022
./lib/dns/include/dns/update.h C 2011,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/validator.h C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2013,2014,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/version.h C 2001,2004,2005,2006,2007,2012,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/view.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./lib/dns/include/dns/xfrin.h C
1999,2000,2001,2003,2004,2005,2006,2007,2009,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/zone.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./lib/dns/include/dns/zonekey.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dns/zt.h C 1999,2000,2001,2002,2004,2005,2006,2007,2011,2016,2017,2018,2019,2020,2021,2022
./lib/dns/include/dst/Makefile.in MAKE
1998,1999,2000,2001,2004,2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/dns/include/dst/dst.h C
2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./lib/dns/include/dst/gssapi.h C
2000,2001,2004,2005,2006,2007,2009,2010,2011,2013,2016,2018,2019,2020,2021,2022
./lib/dns/include/dst/lib.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/include/dst/result.h C
1999,2000,2001,2004,2005,2006,2007,2008,2012,2014,2016,2018,2019,2020,2021,2022
./lib/dns/ipkeylist.c C 2016,2018,2019,2020,2021,2022
./lib/dns/iptable.c C 2007,2008,2009,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/journal.c C
1999,2000,2001,2002,2004,2005,2007,2008,2009,2010,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/key.c C 2001,2004,2005,2006,2007,2011,2016,2018,2019,2020,2021,2022
./lib/dns/keydata.c C 2009,2014,2016,2018,2019,2020,2021,2022
./lib/dns/keytable.c C 2000,2001,2004,2005,2007,2009,2010,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/lib.c C 1999,2000,2001,2004,2005,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/log.c C
1999,2000,2001,2003,2004,2005,2006,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/lookup.c C 2000,2001,2003,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./lib/dns/mapapi X 2013,2018,2019,2020,2021,2022

./lib/dns/master.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/masterdump.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/message.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/name.c C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/ncache.c C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/nsec.c C
1999,2000,2001,2003,2004,2005,2007,2008,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/nsec3.c C 2006,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/nta.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/openssl_link.c C.NAI
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/opensslдh_link.c C.NAI
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/opensslдsa_link.c C.NAI
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/opensslecdsa_link.c C 2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/openssleddsa_link.c C 2017,2018,2019,2020,2021,2022
./lib/dns/opensslgost_link.c C 2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/opensslrsa_link.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/order.c C 2002,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/peer.c C
2000,2001,2003,2004,2005,2006,2007,2008,2009,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/pkcs11.c C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/pkcs11dh_link.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/pkcs11dsa_link.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/pkcs11ecdsa_link.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/pkcs11eddsa_link.c C 2017,2018,2019,2020,2021,2022
./lib/dns/pkcs11gost_link.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/pkcs11rsa_link.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/portlist.c C 2003,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/dns/private.c C 2009,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rbt.c C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2022

1,2022
./lib/dns/rbtdb.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rbtdb.h C 1999,2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/rbtdb64.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rbtdb64.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rcode.c C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata.c C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/any_255/tsig_250.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/any_255/tsig_250.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/ch_3/a_1.c C 2005,2007,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/ch_3/a_1.h C 2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/afsdb_18.c C
1999,2000,2001,2003,2004,2005,2007,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/afsdb_18.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/amtrelay_260.c C 2019,2020,2021,2022
./lib/dns/rdata/generic/amtrelay_260.h C 2019,2020,2021,2022
./lib/dns/rdata/generic/avc_258.c C 2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/avc_258.h C 2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/caa_257.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/caa_257.h C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cdnskey_60.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cdnskey_60.h C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cds_59.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cds_59.h C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cert_37.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cert_37.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cname_5.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/cname_5.h C 1998,1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/csync_62.c C 2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/csync_62.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/dlv_32769.c C
2004,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/dlv_32769.h C 2004,2006,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/dname_39.c C 1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/dname_39.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/dnskey_48.c C
2003,2004,2005,2007,2009,2011,2012,2013,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/dnskey_48.h C 2003,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/doa_259.c C 2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/doa_259.h C 2017,2018,2019,2020,2021,2022

./lib/dns/rdata/generic/ds_43.c C
2002,2004,2005,2007,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ds_43.h C 2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/eui48_108.c C 2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/eui48_108.h C 2013,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/eui64_109.c C 2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/eui64_109.h C 2013,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/gpos_27.c C
1999,2000,2001,2002,2004,2005,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/gpos_27.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/hinfo_13.c C
1998,1999,2000,2001,2002,2004,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/hinfo_13.h C 1998,1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/hip_55.c C 2009,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/hip_55.h C 2009,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ipseckey_45.c C 2005,2007,2009,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ipseckey_45.h C 2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/isdn_20.c C
1999,2000,2001,2002,2004,2005,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/isdn_20.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/key_25.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2011,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/key_25.h C 1999,2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/keydata_65533.c C 2009,2011,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/keydata_65533.h C 2009,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/l32_105.c C 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/l32_105.h C 2013,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/l64_106.c C 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/l64_106.h C 2013,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/loc_29.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/loc_29.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/lp_107.c C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/lp_107.h C 2013,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mb_7.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mb_7.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/md_3.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/md_3.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mf_4.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mf_4.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mg_8.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mg_8.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/minfo_14.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/minfo_14.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mr_9.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mr_9.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/mx_15.c C
1998,1999,2000,2001,2003,2004,2005,2007,2009,2012,2015,2016,2017,2018,2019,2020,2021,2022

./lib/dns/rdata/generic/mx_15.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/naptr_35.c C
1999,2000,2001,2003,2004,2005,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/rdata/generic/naptr_35.h C 1999,2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nid_104.c C 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nid_104.h C 2013,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ninfo_56.c C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ninfo_56.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ns_2.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ns_2.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nsec3_50.c C 2008,2009,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nsec3_50.h C 2008,2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nsec3param_51.c C 2008,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nsec3param_51.h C 2008,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nsec_47.c C 2003,2004,2007,2008,2009,2011,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nsec_47.h C 2003,2004,2005,2007,2008,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/null_10.c C
1998,1999,2000,2001,2002,2004,2007,2009,2011,2012,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/null_10.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nxt_30.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/nxt_30.h C 1999,2000,2001,2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/openpgpkey_61.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/openpgpkey_61.h C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/opt_41.c C
1998,1999,2000,2001,2002,2004,2005,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/rdata/generic/opt_41.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/proforma.c C
1998,1999,2000,2001,2002,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/proforma.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ptr_12.c C 1998,1999,2000,2001,2004,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ptr_12.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rkey_57.c C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rkey_57.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rp_17.c C 1999,2000,2001,2004,2005,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rp_17.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rrsig_46.c C
2003,2004,2005,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rrsig_46.h C 2003,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rt_21.c C
1999,2000,2001,2003,2004,2005,2007,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/rt_21.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/sig_24.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/sig_24.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/sink_40.c C 2015,2016,2017,2018,2019,2020,2021,2022

./lib/dns/rdata/generic/sink_40.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/smimea_53.c C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/smimea_53.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/soa_6.c C
1998,1999,2000,2001,2002,2004,2007,2009,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/soa_6.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/spf_99.c C
1998,1999,2000,2001,2002,2004,2005,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/spf_99.h C 1998,1999,2000,2001,2004,2005,2007,2014,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/sshfp_44.c C
2003,2004,2006,2007,2009,2011,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/sshfp_44.h C 2003,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ta_32768.c C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/ta_32768.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/talink_58.c C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/talink_58.h C 2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/tkey_249.c C
1999,2000,2001,2002,2003,2004,2007,2009,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/tkey_249.h C 1999,2000,2001,2003,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/tlsa_52.c C 2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
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./lib/dns/rdata/generic/txt_16.c C
1998,1999,2000,2001,2002,2004,2007,2008,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/txt_16.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/uri_256.c C 2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/uri_256.h C 2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/x25_19.c C
1999,2000,2001,2002,2004,2005,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/x25_19.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/generic/zonemd_63.c C 2019,2020,2021,2022
./lib/dns/rdata/generic/zonemd_63.h C 2019,2020,2021,2022
./lib/dns/rdata/hs_4/a_1.c C 1999,2000,2001,2002,2004,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/hs_4/a_1.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/a6_38.c C
1999,2000,2001,2002,2003,2004,2007,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/a6_38.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/a_1.c C 1998,1999,2000,2001,2002,2004,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/a_1.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/aaaa_28.c C
1999,2000,2001,2002,2004,2005,2007,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/aaaa_28.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/apl_42.c C 2002,2004,2005,2007,2008,2009,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/apl_42.h C 2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/atma_34.c C 2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/atma_34.h C 2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/dhcid_49.c C 2006,2007,2009,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/dhcid_49.h C 2006,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/eid_31.c C 2018,2019,2020,2021,2022

./lib/dns/rdata/in_1/eid_31.h C 2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/kx_36.c C
1999,2000,2001,2003,2004,2005,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/kx_36.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/nimloc_32.c C 2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/nimloc_32.h C 2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/nsap-ptr_23.c C 1999,2000,2001,2004,2005,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/nsap-ptr_23.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/nsap_22.c C
1999,2000,2001,2002,2004,2005,2007,2009,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/nsap_22.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/px_26.c C
1999,2000,2001,2003,2004,2005,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/px_26.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/srv_33.c C 1999,2000,2001,2003,2004,2005,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/srv_33.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/wks_11.c C
1999,2000,2001,2002,2004,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdata/in_1/wks_11.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/rdatastructpre.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdata/rdatastructsuf.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdatalist.c C
1999,2000,2001,2003,2004,2005,2007,2008,2010,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdatalist_p.h C 2000,2001,2004,2005,2007,2008,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rdataset.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rdatasetiter.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/rdataslab.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/request.c C
2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/resolver.c C
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./lib/dns/rootns.c C
1999,2000,2001,2002,2004,2005,2007,2008,2010,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rpz.c C 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/rriterator.c C 2009,2011,2012,2015,2016,2018,2019,2020,2021,2022
./lib/dns/rrl.c C 2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/sdb.c C
2000,2001,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022

./lib/dns/sdlz.c C.PORTION
1999,2000,2001,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/soa.c C 2000,2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./lib/dns/ssu.c C
2000,2001,2003,2004,2005,2006,2007,2008,2010,2011,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/ssu_external.c C 2011,2012,2013,2016,2017,2018,2019,2020,2021,2022
./lib/dns/stats.c C 2000,2001,2004,2005,2007,2008,2009,2012,2016,2018,2019,2020,2021,2022
./lib/dns/tcpmsg.c C 1999,2000,2001,2004,2005,2006,2007,2015,2016,2018,2019,2020,2021,2022
./lib/dns/tests/Kdh.+002+18602.key X 2014,2018,2019,2020,2021,2022
./lib/dns/tests/Krsa.+005+29235.key X 2016,2018,2019,2020,2021,2022
./lib/dns/tests/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/dns/tests/Makefile.in MAKE 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/acl_test.c C 2016,2018,2019,2020,2021,2022
./lib/dns/tests/db_test.c C 2013,2015,2016,2018,2019,2020,2021,2022
./lib/dns/tests/dbdiff_test.c C 2011,2012,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/dbiterator_test.c C 2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/tests/dbversion_test.c C 2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/tests/dh_test.c C 2014,2016,2018,2019,2020,2021,2022
./lib/dns/tests/dispatch_test.c C 2012,2014,2016,2018,2019,2020,2021,2022
./lib/dns/tests/dnstap_test.c C 2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/dnstest.c C 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/dnstest.h C 2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/dst_test.c C 2018,2019,2020,2021,2022
./lib/dns/tests/geoip_test.c C 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/gost_test.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/keytable_test.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/master_test.c C 2011,2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/mkraw.pl PERL 2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/tests/name_test.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/nsec3_test.c C 2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/peer_test.c C 2014,2016,2018,2019,2020,2021,2022
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./lib/dns/tests/rbt_serialize_test.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/dns/tests/rbt_test.c C 2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/rdata_test.c C 2012,2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/rdataset_test.c C 2012,2016,2018,2019,2020,2021,2022
./lib/dns/tests/rdatasetstats_test.c C 2012,2015,2016,2018,2019,2020,2021,2022
./lib/dns/tests/resolver_test.c C 2018,2019,2020,2021,2022
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./lib/dns/tests/testdata/dnstap/dnstap.saved X 2015,2017,2018,2019,2020,2021,2022
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./lib/dns/tests/testdata/master/master11.data X 2011,2018,2019,2020,2021,2022
./lib/dns/tests/testdata/master/master12.data.in X 2011,2018,2019,2020,2021,2022
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./lib/dns/tests/testdata/master/master14.data.in X 2011,2018,2019,2020,2021,2022
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./lib/dns/tests/testdata/master/master6.data X 2011,2018,2019,2020,2021,2022
./lib/dns/tests/testdata/master/master7.data X 2011,2018,2019,2020,2021,2022
./lib/dns/tests/testdata/master/master8.data X 2011,2018,2019,2020,2021,2022
./lib/dns/tests/testdata/master/master9.data X 2011,2018,2019,2020,2021,2022
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./lib/dns/tests/testdata/nsec3/min-1024.db ZONE 2012,2016,2018,2019,2020,2021,2022
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./lib/dns/tests/testdata/zt/zone1.db ZONE 2011,2012,2016,2018,2019,2020,2021,2022
./lib/dns/tests/testkeys/Kexample.+008+20386.key X 2018,2019,2020,2021,2022
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./lib/dns/tests/tsig_test.c C 2017,2018,2019,2020,2021,2022
./lib/dns/tests/update_test.c C 2011,2012,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tests/zonemgr_test.c C 2011,2012,2013,2015,2016,2018,2019,2020,2021,2022

./lib/dns/tests/zt_test.c C 2011,2012,2016,2018,2019,2020,2021,2022
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1998,1999,2000,2001,2002,2003,2004,2005,2007,2009,2010,2011,2012,2014,2016,2017,2018,2019,2020,2021,202
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./lib/dns/tsec.c C 2009,2010,2016,2017,2018,2019,2020,2021,2022
./lib/dns/tsig.c C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/ttl.c C 1999,2000,2001,2004,2005,2007,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/dns/update.c C 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/validator.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/dns/version.c C 1998,1999,2000,2001,2004,2005,2007,2012,2013,2016,2018,2019,2020,2021,2022
./lib/dns/view.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022
./lib/dns/win32/DLLMain.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/dns/win32/gen.dsp.in X 2001,2013,2018,2019,2020,2021,2022
./lib/dns/win32/gen.dsw X 2001,2018,2019,2020,2021,2022
./lib/dns/win32/gen.mak.in X 2001,2006,2013,2018,2019,2020,2021,2022
./lib/dns/win32/gen.vcxproj.filters.in X 2013,2015,2018,2019,2020,2021,2022
./lib/dns/win32/gen.vcxproj.in X 2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/win32/gen.vcxproj.user X 2013,2018,2019,2020,2021,2022
./lib/dns/win32/libdns.def.in X
2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./lib/dns/win32/libdns.dsp.in X
2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/win32/libdns.dsw X 2001,2018,2019,2020,2021,2022
./lib/dns/win32/libdns.mak.in X
2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/dns/win32/libdns.vcxproj.filters.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/win32/libdns.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/dns/win32/libdns.vcxproj.user X 2013,2018,2019,2020,2021,2022
./lib/dns/win32/version.c C 1998,1999,2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
./lib/dns/xfrin.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./lib/dns/zone.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,201
9,2020,2021,2022

./lib/dns/zone_p.h C 2018,2019,2020,2021,2022
./lib/dns/zonekey.c C 2001,2003,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/dns/zt.c C
1999,2000,2001,2002,2004,2005,2006,2007,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/irs/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/irs/Makefile.in MAKE 2009,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/irs/api X 2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/irs/context.c C 2009,2014,2016,2018,2019,2020,2021,2022
./lib/irs/dnsconf.c C 2009,2012,2016,2018,2019,2020,2021,2022
./lib/irs/gai_strerror.c C 2009,2014,2016,2018,2019,2020,2021,2022
./lib/irs/getaddrinfo.c C 2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/irs/getnameinfo.c C 2009,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/irs/include/Makefile.in MAKE 2009,2012,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/Makefile.in MAKE 2009,2012,2014,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/context.h C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/dnsconf.h C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/netdb.h.in C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/platform.h.in C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/resconf.h C 2009,2014,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/types.h C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/include/irs/version.h C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/resconf.c C 2009,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/irs/tests/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/irs/tests/Makefile.in MAKE 2016,2017,2018,2019,2020,2021,2022
./lib/irs/tests/resconf_test.c C 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/domain.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/nameserver-v4.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/nameserver-v6.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options-bad-ndots.conf CONF-SH 2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options-debug.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options-empty.conf CONF-SH 2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options-ndots.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options-timeout.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options-unknown.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/options.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/port.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/resolv.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/search.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/sortlist-v4.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/timeout.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/tests/testdata/unknown.conf CONF-SH 2016,2018,2019,2020,2021,2022
./lib/irs/version.c C 2009,2016,2018,2019,2020,2021,2022
./lib/irs/win32/DLLMain.c C 2014,2016,2018,2019,2020,2021,2022
./lib/irs/win32/Makefile.in MAKE 2014,2016,2018,2019,2020,2021,2022
./lib/irs/win32/include/Makefile.in MAKE 2014,2016,2018,2019,2020,2021,2022
./lib/irs/win32/include/irs/Makefile.in MAKE 2014,2016,2018,2019,2020,2021,2022
./lib/irs/win32/include/irs/netdb.h C 2014,2016,2018,2019,2020,2021,2022
./lib/irs/win32/include/irs/platform.h C 2014,2016,2018,2019,2020,2021,2022

./lib/irs/win32/libirs.def X 2014,2018,2019,2020,2021,2022
./lib/irs/win32/libirs.dsp.in X 2014,2018,2019,2020,2021,2022
./lib/irs/win32/libirs.dsw X 2001,2014,2018,2019,2020,2021,2022
./lib/irs/win32/libirs.mak.in X 2014,2018,2019,2020,2021,2022
./lib/irs/win32/libirs.vcxproj.filters.in X 2014,2015,2016,2018,2019,2020,2021,2022
./lib/irs/win32/libirs.vcxproj.in X 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/irs/win32/libirs.vcxproj.user X 2014,2018,2019,2020,2021,2022
./lib/irs/win32/version.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/isc/Makefile.in MAKE
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,201
8,2019,2020,2021,2022
./lib/isc/aes.c C 2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/alpha/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/alpha/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/alpha/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/alpha/include/isc/atomic.h C 2005,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/api X
1999,2000,2001,2006,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/app_api.c C 2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/assertions.c C 1997,1998,1999,2000,2001,2004,2005,2007,2008,2009,2015,2016,2018,2019,2020,2021,2022
./lib/isc/backtrace-emptytbl.c C 2009,2016,2018,2019,2020,2021,2022
./lib/isc/backtrace.c C 2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/base32.c C 2008,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/base64.c C
1998,1999,2000,2001,2003,2004,2005,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/bind9.c C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/buffer.c C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2008,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/bufferlist.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/chacha_private.h X 2014,2018,2019,2020,2021,2022
./lib/isc/commandline.c C.PORTION
1999,2000,2001,2004,2005,2007,2008,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/counter.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/crc64.c C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/entropy.c C
2000,2001,2002,2003,2004,2005,2006,2007,2009,2010,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/error.c C 1998,1999,2000,2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./lib/isc/event.c C 1998,1999,2000,2001,2004,2005,2007,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/fsaccess.c C 2000,2001,2004,2005,2007,2016,2017,2018,2019,2020,2021,2022
./lib/isc/hash.c C 2003,2004,2005,2006,2007,2009,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/heap.c C
1997,1998,1999,2000,2001,2004,2005,2006,2007,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./lib/isc/hex.c C 2000,2001,2002,2003,2004,2005,2007,2008,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/hmacmd5.c C 2000,2001,2004,2005,2006,2007,2009,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/hmacsha.c C 2005,2006,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/ht.c C 2016,2018,2019,2020,2021,2022

./lib/isc/httpd.c C 2006,2007,2008,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/ia64/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/ia64/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/ia64/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/ia64/include/isc/atomic.h C 2006,2007,2009,2012,2016,2018,2019,2020,2021,2022
./lib/isc/include/Makefile.in MAKE 1998,1999,2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/Makefile.in MAKE
1998,1999,2000,2001,2003,2004,2005,2006,2007,2008,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./lib/isc/include/isc/aes.h C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/app.h C
1999,2000,2001,2004,2005,2006,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/assertions.h C
1997,1998,1999,2000,2001,2004,2005,2006,2007,2008,2009,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/backtrace.h C 2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/base32.h C 2008,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/base64.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/bind9.h C 2009,2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/boolean.h C 2018,2019,2020,2021,2022
./lib/isc/include/isc/buffer.h C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2008,2010,2012,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/bufferlist.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/cmocka.h C 2020,2021,2022
./lib/isc/include/isc/commandline.h C 1999,2000,2001,2004,2005,2006,2007,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/counter.h C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/crc64.h C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/deprecated.h C 2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/endian.h C 2019,2020,2021,2022
./lib/isc/include/isc/entropy.h C 2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/errno.h C 2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/error.h C
1998,1999,2000,2001,2004,2005,2006,2007,2009,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/event.h C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/eventclass.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/file.h C
2000,2001,2004,2005,2006,2007,2009,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/formatcheck.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/fsaccess.h C 2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/hash.h C
2003,2004,2005,2006,2007,2009,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/heap.h C
1997,1998,1999,2000,2001,2004,2005,2006,2007,2009,2012,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/hex.h C 2000,2001,2004,2005,2006,2007,2008,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/hmacmd5.h C 2000,2001,2004,2005,2006,2007,2009,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/hmacsha.h C 2005,2006,2007,2009,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/ht.h C 2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/httpd.h C 2006,2007,2008,2014,2016,2018,2019,2020,2021,2022

./lib/isc/include/isc/int.h C 2018,2019,2020,2021,2022
./lib/isc/include/isc/interfaceiter.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/ipv6.h C 1999,2000,2001,2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/iterated_hash.h C 2008,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/json.h C 2013,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/lang.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/lex.h C
1998,1999,2000,2001,2002,2004,2005,2007,2008,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/lfsr.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/lib.h C 1999,2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/likely.h C 2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/list.h C
1997,1998,1999,2000,2001,2002,2004,2006,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/log.h C 1999,2000,2001,2002,2004,2005,2006,2007,2009,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/magic.h C 1999,2000,2001,2004,2005,2006,2007,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/md5.h C
2000,2001,2004,2005,2006,2007,2009,2010,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/mem.h C
1997,1998,1999,2000,2001,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2015,2016,2018,2019,2020,202
1,2022
./lib/isc/include/isc/meminfo.h C 2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/msgcat.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/msgs.h C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/mutexblock.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/netaddr.h C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2009,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/netscope.h C 2002,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/ondestroy.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/os.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/parseint.h C 2001,2002,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/platform.h.in C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./lib/isc/include/isc/pool.h C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/portset.h C 2008,2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/print.h C
1999,2000,2001,2003,2004,2005,2006,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/queue.h C 2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/quota.h C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/radix.h C 2007,2008,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/random.h C 1999,2000,2001,2004,2005,2006,2007,2009,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/ratelimiter.h C
1999,2000,2001,2002,2004,2005,2006,2007,2009,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/refcount.h C 2001,2003,2004,2005,2006,2007,2009,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/regex.h C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/region.h C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2013,2016,2018,2019,2020,2021,2022

./lib/isc/include/isc/resource.h C 2000,2001,2004,2005,2006,2007,2008,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/result.h C
1998,1999,2000,2001,2003,2004,2005,2006,2007,2008,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/resultclass.h C
1999,2000,2001,2004,2005,2006,2007,2009,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/rwlock.h C
1998,1999,2000,2001,2003,2004,2005,2006,2007,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/safe.h C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/serial.h C 1999,2000,2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/sha1.h C 2000,2001,2004,2005,2006,2007,2009,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/sha2.h C 2005,2006,2007,2009,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/siphash.h C 2019,2020,2021,2022
./lib/isc/include/isc/sockaddr.h C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2009,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/socket.h C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2011,2012,2013,2014,2016,2018,2019,2020,2021,202
2
./lib/isc/include/isc/stats.h C 2009,2012,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/stdatomic.h C 2018,2019,2020,2021,2022
./lib/isc/include/isc/stdio.h C 2000,2001,2004,2005,2006,2007,2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/stdlib.h C 2003,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/string.h C 2000,2001,2003,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/symtab.h C
1996,1997,1998,1999,2000,2001,2004,2005,2006,2007,2009,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/task.h C
1998,1999,2000,2001,2003,2004,2005,2006,2007,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,202
0,2021,2022
./lib/isc/include/isc/taskpool.h C 1999,2000,2001,2004,2005,2006,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/timer.h C
1998,1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/tm.h C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/types.h C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/utf8.h C 2020,2021,2022
./lib/isc/include/isc/util.h C
1998,1999,2000,2001,2004,2005,2006,2007,2010,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/isc/version.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/isc/xml.h C 2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/include/pk11/Makefile.in MAKE 2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/include/pk11/README.site TXT.BRIEF 2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/pk11/constants.h C 2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/pk11/internal.h C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/pk11/pk11.h C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/pk11/result.h C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/include/pk11/site.h C 2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/pkcs11/Makefile.in MAKE 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/include/pkcs11/eddsa.h C 2017,2018,2019,2020,2021,2022
./lib/isc/include/pkcs11/pkcs11.h X 2014,2016,2018,2019,2020,2021,2022

./lib/isc/inet_aton.c C.PORTION
1996,1997,1998,1999,2000,2001,2004,2005,2007,2008,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/inet_ntop.c C 1996,1997,1998,1999,2000,2001,2004,2005,2007,2009,2016,2017,2018,2019,2020,2021,2022
./lib/isc/inet_pton.c C
1996,1997,1998,1999,2000,2001,2002,2003,2004,2005,2007,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/iterated_hash.c C 2006,2008,2009,2016,2018,2019,2020,2021,2022
./lib/isc/lex.c C
1998,1999,2000,2001,2002,2003,2004,2005,2007,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/lfsr.c C 1999,2000,2001,2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/lib.c C 1999,2000,2001,2004,2005,2007,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/log.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2009,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,202
2
./lib/isc/md5.c C 2000,2001,2004,2005,2007,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/mem.c C
1997,1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2012,2013,2014,2015,2016,2017,201
8,2019,2020,2021,2022
./lib/isc/mips/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/mips/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/mips/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/mips/include/isc/atomic.h C 2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/mutexblock.c C 1999,2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/netaddr.c C
1999,2000,2001,2002,2004,2005,2007,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/netscope.c C 2002,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/nls/Makefile.in MAKE 1999,2000,2001,2004,2007,2009,2012,2016,2018,2019,2020,2021,2022
./lib/isc/nls/msgcat.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/noatomic/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/noatomic/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/noatomic/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/noatomic/include/isc/atomic.h C 2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/Makefile.in MAKE 2000,2001,2004,2007,2009,2010,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/condition.c C 2000,2001,2004,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/include/Makefile.in MAKE 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/include/isc/Makefile.in MAKE 2000,2001,2004,2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/include/isc/condition.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/include/isc/mutex.h C 2000,2001,2004,2007,2015,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/include/isc/once.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/include/isc/thread.h C 2000,2001,2004,2007,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/nothreads/mutex.c C 2000,2001,2004,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/nothreads/thread.c C 2000,2001,2004,2007,2016,2017,2018,2019,2020,2021,2022
./lib/isc/ondestroy.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/parseint.c C 2001,2002,2003,2004,2005,2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/pk11.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/pk11_result.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/pool.c C 2013,2015,2016,2018,2019,2020,2021,2022
./lib/isc/portset.c C 2008,2016,2017,2018,2019,2020,2021,2022
./lib/isc/powerpc/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022

./lib/isc/powerpc/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/powerpc/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/powerpc/include/isc/atomic.h C 2005,2007,2009,2011,2012,2016,2017,2018,2019,2020,2021,2022
./lib/isc/print.c C
1999,2000,2001,2003,2004,2005,2006,2007,2008,2010,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/pthreads/Makefile.in MAKE 1998,1999,2000,2001,2004,2007,2009,2012,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/condition.c C 1998,1999,2000,2001,2004,2005,2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/include/Makefile.in MAKE 1998,1999,2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/include/isc/Makefile.in MAKE
1998,1999,2000,2001,2004,2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/include/isc/condition.h C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/include/isc/mutex.h C 1998,1999,2000,2001,2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/include/isc/once.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/include/isc/thread.h C
1998,1999,2000,2001,2004,2005,2007,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/pthreads/mutex.c C
2000,2001,2002,2004,2005,2007,2008,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/pthreads/thread.c C 2000,2001,2003,2004,2005,2007,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/quota.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/radix.c C 2007,2008,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/random.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/ratelimiter.c C 1999,2000,2001,2002,2004,2005,2007,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/refcount.c C 2005,2007,2016,2017,2018,2019,2020,2021,2022
./lib/isc/regex.c C 2013,2014.2015,2015,2016,2018,2019,2020,2021,2022
./lib/isc/region.c C 2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/result.c C
1998,1999,2000,2001,2003,2004,2005,2007,2008,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/rwlock.c C
1998,1999,2000,2001,2003,2004,2005,2007,2009,2011,2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/safe.c C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/serial.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/sha1.c C 2000,2001,2003,2004,2005,2007,2009,2011,2012,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/sha2.c C 2005,2006,2007,2009,2011,2012,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/siphash.c C 2019,2020,2021,2022
./lib/isc/sockaddr.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2010,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/isc/socket_api.c C 2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/sparc64/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/sparc64/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/sparc64/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/sparc64/include/isc/atomic.h C 2005,2007,2013,2016,2018,2019,2020,2021,2022
./lib/isc/stats.c C 2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/string.c C
1999,2000,2001,2003,2004,2005,2006,2007,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/strtoul.c C 2003,2004,2005,2007,2014,2016,2018,2019,2020,2021,2022
./lib/isc/symtab.c C

1996,1997,1998,1999,2000,2001,2004,2005,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/task.c C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,1018,2018,2019,2020,2021,2022
./lib/isc/task_p.h C 2000,2001,2004,2005,2007,2009,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/taskpool.c C 1999,2000,2001,2004,2005,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/tests/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/isc/tests/Makefile.in MAKE 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/aes_test.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/tests/atomic_test.c C 2018,2019,2020,2021,2022
./lib/isc/tests/buffer_test.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/tests/counter_test.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/tests/errno_test.c C 2016,2018,2019,2020,2021,2022
./lib/isc/tests/file_test.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/tests/hash_test.c C 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/heap_test.c C 2017,2018,2019,2020,2021,2022
./lib/isc/tests/ht_test.c C 2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/inet_ntop_test.c C 2017,2018,2019,2020,2021,2022
./lib/isc/tests/isctest.c C 2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/isctest.h C 2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/tests/lex_test.c C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/tests/mem_test.c C 2015,2016,2018,2019,2020,2021,2022
./lib/isc/tests/netaddr_test.c C 2016,2018,2019,2020,2021,2022
./lib/isc/tests/parse_test.c C 2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/tests/pool_test.c C 2013,2016,2018,2019,2020,2021,2022
./lib/isc/tests/print_test.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/tests/queue_test.c C 2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/tests/radix_test.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/tests/random_test.c C 2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/regex_test.c C 2013,2015,2016,2018,2019,2020,2021,2022
./lib/isc/tests/result_test.c C 2015,2016,2018,2019,2020,2021,2022
./lib/isc/tests/safe_test.c C 2013,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/siphash_test.c C 2019,2020,2021,2022
./lib/isc/tests/sockaddr_test.c C 2012,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/socket_test.c C 2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/tests/symtab_test.c C 2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/tests/task_test.c C 2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/tests/taskpool_test.c C 2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/tests/testdata/file/keep X 2014,2018,2019,2020,2021,2022
./lib/isc/tests/time_test.c C 2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/tests/timer_test.c C 2018,2019,2020,2021,2022
./lib/isc/timer.c C
1998,1999,2000,2001,2002,2004,2005,2007,2008,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/timer_p.h C 2000,2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/tm.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/Makefile.in MAKE
1998,1999,2000,2001,2004,2007,2009,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022

./lib/isc/unix/app.c C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2009,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/dir.c C 1999,2000,2001,2004,2005,2007,2008,2009,2011,2012,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/entropy.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2012,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/errno.c C 2016,2018,2019,2020,2021,2022
./lib/isc/unix/errno2result.c C 2000,2001,2002,2004,2005,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/isc/unix/errno2result.h C 2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/unix/file.c C
2000,2001,2002,2004,2005,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/fsaccess.c C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/ifiter_getifaddrs.c C 2003,2004,2005,2007,2008,2009,2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/ifiter_ioctl.c C
1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/ifiter_sysctl.c C
1999,2000,2001,2002,2003,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/Makefile.in MAKE
1998,1999,2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/Makefile.in MAKE
1998,1999,2000,2001,2004,2007,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/dir.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/keyboard.h C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/net.h C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/netdb.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/offset.h C 2000,2001,2004,2005,2007,2008,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/stat.h C 2004,2007,2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/stdtime.h C 1999,2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/strerror.h C 2001,2004,2005,2007,2008,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/syslog.h C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/isc/time.h C
1998,1999,2000,2001,2004,2005,2006,2007,2008,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/pkcs11/Makefile.in MAKE 2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/include/pkcs11/cryptoki.h X 2014,2018,2019,2020,2021,2022
./lib/isc/unix/interfaceiter.c C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2014,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/ipv6.c C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/keyboard.c C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/meminfo.c C 2015,2016,2018,2019,2020,2021,2022
./lib/isc/unix/net.c C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/os.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/pk11_api.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/resource.c C 2000,2001,2004,2007,2008,2009,2016,2018,2019,2020,2021,2022
./lib/isc/unix/socket.c C
1998,1999,2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/unix/socket_p.h C 2000,2001,2004,2005,2007,2008,2009,2016,2018,2019,2020,2021,2022

./lib/isc/unix/stdio.c C 2000,2001,2004,2007,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isc/unix/stdtime.c C 1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/strerror.c C 2001,2004,2005,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isc/unix/syslog.c C 2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/unix/time.c C
1998,1999,2000,2001,2003,2004,2005,2006,2007,2008,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,202
2
./lib/isc/utf8.c C 2020,2021,2022
./lib/isc/version.c C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/DLLMain.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/Makefile.in MAKE
1999,2000,2001,2004,2007,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/app.c C 1999,2000,2001,2004,2007,2009,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isc/win32/condition.c C 1998,1999,2000,2001,2004,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/dir.c C 1999,2000,2001,2004,2007,2008,2009,2011,2012,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/entropy.c C 2000,2001,2002,2004,2007,2009,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/errno.c C 2016,2018,2019,2020,2021,2022
./lib/isc/win32/errno2result.c C 2000,2001,2002,2004,2005,2007,2008,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/errno2result.h C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/file.c C
2000,2001,2002,2004,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/fsaccess.c C 2000,2001,2002,2004,2007,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/include/Makefile.in MAKE 1999,2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/Makefile.in MAKE
1999,2000,2001,2004,2007,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/atomic.h C 2013,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/bind_registry.h C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/bindevt.h C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/condition.h C 1998,1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/dir.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/ipv6.h C
1999,2000,2001,2002,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/keyboard.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/mutex.h C 1998,1999,2000,2001,2004,2007,2008,2009,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/net.h C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2012,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/netdb.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/ntgroups.h C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/ntpaths.h C 2000,2001,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/offset.h C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/once.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/platform.h.in C
2001,2004,2005,2007,2008,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/stat.h C 2000,2001,2003,2004,2007,2009,2012,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/stdtime.h C 1999,2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/strerror.h C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/syslog.h C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/thread.h C

1998,1999,2000,2001,2004,2005,2007,2009,2013,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/time.h C
1998,1999,2000,2001,2004,2006,2007,2008,2009,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/isc/win32os.h C 2002,2004,2007,2009,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/pkcs11/Makefile.in MAKE 2014,2016,2018,2019,2020,2021,2022
./lib/isc/win32/include/pkcs11/cryptoki.h X 2014,2018,2019,2020,2021,2022
./lib/isc/win32/interfaceiter.c C
1999,2000,2001,2004,2007,2008,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/ipv6.c C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/keyboard.c C 2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/libgen.h C 2009,2016,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.def.exclude X 2015,2017,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.def.in X
2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.dsp.in X
2001,2002,2003,2004,2005,2006,2007,2008,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.dsw X 2001,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.mak.in X
2001,2002,2003,2004,2005,2006,2007,2008,2009,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.vcxproj.filters.in X 2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/libisc.vcxproj.user X 2013,2018,2019,2020,2021,2022
./lib/isc/win32/meminfo.c C 2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/net.c C
1999,2000,2001,2002,2003,2004,2005,2007,2008,2009,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/win32/netdb.h C 2000,2001,2004,2006,2007,2009,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/ntgroups.c C 2001,2004,2006,2007,2009,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/ntpaths.c C 2001,2004,2007,2009,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/once.c C 1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/os.c C 2000,2001,2002,2004,2007,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/pk11_api.c C 2014,2016,2018,2019,2020,2021,2022
./lib/isc/win32/resource.c C 2000,2001,2004,2007,2008,2016,2018,2019,2020,2021,2022
./lib/isc/win32/socket.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/stdio.c C 2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/stdtime.c C 1999,2000,2001,2004,2007,2013,2016,2018,2019,2020,2021,2022
./lib/isc/win32/strerror.c C 2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/syslog.c C 2001,2002,2003,2004,2007,2014,2016,2018,2019,2020,2021,2022
./lib/isc/win32/syslog.h C 2001,2002,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isc/win32/thread.c C 1998,1999,2000,2001,2004,2005,2007,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/time.c C
1998,1999,2000,2001,2003,2004,2006,2007,2008,2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/win32/unistd.h C 2000,2001,2004,2007,2008,2009,2016,2018,2019,2020,2021,2022
./lib/isc/win32/version.c C 1998,1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022

./lib/isc/win32/win32os.c C 2002,2004,2007,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isc/x86_32/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/x86_32/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/x86_32/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/x86_32/include/isc/atomic.h C 2005,2007,2008,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isc/x86_64/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/x86_64/include/Makefile.in MAKE 2007,2012,2016,2018,2019,2020,2021,2022
./lib/isc/x86_64/include/isc/Makefile.in MAKE 2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isc/x86_64/include/isc/atomic.h C 2005,2007,2008,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccc/Kyuafile X 2018,2019,2020,2021,2022
./lib/isccc/Makefile.in MAKE 2001,2003,2004,2007,2009,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/alist.c C.NOM 2001,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/api X 2001,2006,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccc/base64.c C.NOM 2001,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./lib/isccc/cc.c C.NOM
2001,2002,2003,2004,2005,2006,2007,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/ccmsg.c C.NOM 2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/Makefile.in MAKE 2001,2004,2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/alist.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/base64.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/cc.h C.NOM 2001,2004,2005,2006,2007,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/ccmsg.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/events.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/lib.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/result.h C.NOM 2001,2003,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/sexpr.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/symtab.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/symtype.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/types.h C.NOM 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/util.h C.NOM 2001,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/isccc/include/isccc/version.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/lib.c C.NOM 2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/result.c C.NOM 2001,2003,2004,2005,2007,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/sexpr.c C.NOM 2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/symtab.c C.NOM 2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/tests/Kyuafile X 2018,2019,2020,2021,2022
./lib/isccc/tests/Makefile.in MAKE 2018,2019,2020,2021,2022
./lib/isccc/tests/result_test.c C 2018,2019,2020,2021,2022
./lib/isccc/version.c C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/win32/DLLMain.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.def X 2001,2016,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.dsp.in X 2001,2004,2005,2009,2011,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.dsw X 2001,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.mak.in X 2001,2002,2004,2005,2006,2009,2011,2013,2014,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.vcxproj.filters.in X 2013,2015,2016,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccc/win32/libisccc.vcxproj.user X 2013,2018,2019,2020,2021,2022

./lib/isccc/win32/version.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isccfg/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/isccfg/Makefile.in MAKE
2001,2002,2003,2004,2005,2007,2009,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/aclconf.c C
1999,2000,2001,2002,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/api X 2001,2006,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/dnsconf.c C 2009,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/Makefile.in MAKE
2001,2002,2004,2005,2007,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/aclconf.h C
1999,2000,2001,2004,2005,2006,2007,2010,2011,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/cfg.h C
2000,2001,2002,2004,2005,2006,2007,2010,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/dnsconf.h C 2009,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/grammar.h C
2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/log.h C 2001,2004,2005,2006,2007,2009,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/namedconf.h C
2002,2004,2005,2006,2007,2009,2010,2014,2016,2018,2019,2020,2021,2022
./lib/isccfg/include/isccfg/version.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccfg/log.c C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/isccfg/namedconf.c C
2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/parser.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2009,2010,2011,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/tests/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/isccfg/tests/Makefile.in MAKE 2016,2018,2019,2020,2021,2022
./lib/isccfg/tests/parser_test.c C 2016,2018,2019,2020,2021,2022
./lib/isccfg/version.c C 1998,1999,2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/isccfg/win32/DLLMain.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.def X 2001,2002,2005,2009,2010,2011,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.dsp.in X 2001,2002,2004,2005,2009,2011,2013,2014,2016,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.dsw X 2001,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.mak.in X 2001,2002,2004,2005,2006,2009,2011,2013,2014,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.vcxproj.filters.in X 2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.vcxproj.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/isccfg/win32/libisccfg.vcxproj.user X 2013,2018,2019,2020,2021,2022
./lib/isccfg/win32/version.c C 1998,1999,2000,2001,2004,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/lwres/Makefile.in MAKE 2000,2001,2004,2005,2007,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/lwres/api X 2000,2001,2006,2008,2009,2010,2011,2012,2013,2014,2015,2017,2018,2019,2020,2021,2022
./lib/lwres/assert_p.h C 2000,2001,2004,2005,2007,2011,2012,2016,2018,2019,2020,2021,2022
./lib/lwres/compat.c C 2003,2004,2005,2007,2014,2016,2018,2019,2020,2021,2022

./lib/lwres/context.c C 2000,2001,2003,2004,2005,2007,2008,2009,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/context_p.h C 2000,2001,2004,2005,2007,2008,2016,2018,2019,2020,2021,2022
./lib/lwres/gai_strerror.c C 2000,2001,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/getaddrinfo.c C.BSDI
1999,2000,2001,2004,2005,2006,2007,2008,2012,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/gethost.c C 2000,2001,2004,2005,2007,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/getipnode.c C
1999,2000,2001,2002,2003,2004,2005,2007,2009,2012,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/getnameinfo.c C.PORTION
1999,2000,2001,2003,2004,2005,2007,2011,2012,2013,2016,2018,2019,2020,2021,2022
./lib/lwres/getrrset.c C 2000,2001,2002,2003,2004,2005,2007,2012,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/herror.c C.PORTION
2000,2001,2003,2004,2005,2007,2011,2012,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/include/Makefile.in MAKE 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/Makefile.in MAKE 2000,2001,2004,2007,2012,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/context.h C 2000,2001,2004,2005,2006,2007,2008,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/int.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/ipv6.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/lang.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/list.h C 1997,1998,1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/lwbuffer.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/lwpacket.h C 1999,2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/lwres.h C 2000,2001,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/netdb.h.in C 2000,2001,2004,2005,2007,2009,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/platform.h.in C 2000,2001,2004,2005,2007,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/result.h C 2000,2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/stdlib.h C 2003,2004,2005,2006,2007,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/string.h C 2014,2016,2018,2019,2020,2021,2022
./lib/lwres/include/lwres/version.h C 2001,2004,2005,2006,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/lwbuffer.c C 2000,2001,2004,2005,2007,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/lwconfig.c C
2000,2001,2002,2003,2004,2005,2006,2007,2008,2011,2012,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/lwinetaton.c C.PORTION
1996,1997,1998,1999,2000,2001,2003,2004,2005,2007,2012,2013,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/lwinetntop.c C 1996,1997,1998,1999,2000,2001,2003,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/lwinetpton.c C
1996,1997,1998,1999,2000,2001,2004,2005,2007,2011,2012,2013,2014,2016,2017,2018,2019,2020,2021,2022
./lib/lwres/lwpacket.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/lwres_gabn.c C 2000,2001,2004,2005,2007,2013,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/lwres_gnba.c C 2000,2001,2002,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./lib/lwres/lwres_grbn.c C 2000,2001,2004,2005,2007,2013,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/lwres_noop.c C 2000,2001,2004,2005,2007,2013,2016,2018,2019,2020,2021,2022
./lib/lwres/lwresutil.c C 2000,2001,2004,2005,2007,2014,2016,2018,2019,2020,2021,2022
./lib/lwres/man/Makefile.in MAKE 2001,2004,2007,2012,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres.3 MAN DOCBOOK
./lib/lwres/man/lwres.docbook SGML 2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres.html HTML DOCBOOK
./lib/lwres/man/lwres_buffer.3 MAN DOCBOOK

./lib/lwres/man/lwres_buffer.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_buffer.html HTML DOCBOOK
./lib/lwres/man/lwres_config.3 MAN DOCBOOK
./lib/lwres/man/lwres_config.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_config.html HTML DOCBOOK
./lib/lwres/man/lwres_context.3 MAN DOCBOOK
./lib/lwres/man/lwres_context.docbook SGML
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./lib/lwres/man/lwres_context.html HTML DOCBOOK
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./lib/lwres/man/lwres_gabn.docbook SGML 2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_gabn.html HTML DOCBOOK
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./lib/lwres/man/lwres_gai_strerror.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_gai_strerror.html HTML DOCBOOK
./lib/lwres/man/lwres_getaddrinfo.3 MAN DOCBOOK
./lib/lwres/man/lwres_getaddrinfo.docbook SGML
2000,2001,2003,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_getaddrinfo.html HTML DOCBOOK
./lib/lwres/man/lwres_gethostent.3 MAN DOCBOOK
./lib/lwres/man/lwres_gethostent.docbook SGML 2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_gethostent.html HTML DOCBOOK
./lib/lwres/man/lwres_getipnode.3 MAN DOCBOOK
./lib/lwres/man/lwres_getipnode.docbook SGML
2000,2001,2003,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_getipnode.html HTML DOCBOOK
./lib/lwres/man/lwres_getnameinfo.3 MAN DOCBOOK
./lib/lwres/man/lwres_getnameinfo.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_getnameinfo.html HTML DOCBOOK
./lib/lwres/man/lwres_getrrsetbyname.3 MAN DOCBOOK
./lib/lwres/man/lwres_getrrsetbyname.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
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./lib/lwres/man/lwres_gnba.3 MAN DOCBOOK
./lib/lwres/man/lwres_gnba.docbook SGML 2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_gnba.html HTML DOCBOOK
./lib/lwres/man/lwres_hstrerror.3 MAN DOCBOOK
./lib/lwres/man/lwres_hstrerror.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_hstrerror.html HTML DOCBOOK
./lib/lwres/man/lwres_inetntop.3 MAN DOCBOOK
./lib/lwres/man/lwres_inetntop.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_inetntop.html HTML DOCBOOK

./lib/lwres/man/lwres_noop.3 MAN DOCBOOK
./lib/lwres/man/lwres_noop.docbook SGML 2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_noop.html HTML DOCBOOK
./lib/lwres/man/lwres_packet.3 MAN DOCBOOK
./lib/lwres/man/lwres_packet.docbook SGML
2000,2001,2004,2005,2007,2014,2015,2016,2018,2019,2020,2021,2022
./lib/lwres/man/lwres_packet.html HTML DOCBOOK
./lib/lwres/man/lwres_resutil.3 MAN DOCBOOK
./lib/lwres/man/lwres_resutil.docbook SGML
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./lib/lwres/man/lwres_resutil.html HTML DOCBOOK
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./lib/lwres/print.c C
1999,2000,2001,2003,2004,2005,2007,2011,2012,2014,2015,2016,2017,2018,2019,2020,2021,2022
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./lib/lwres/tests/Kyuafile X 2017,2018,2019,2020,2021,2022
./lib/lwres/tests/Makefile.in MAKE 2014,2015,2016,2018,2019,2020,2021,2022
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./lib/lwres/tests/testdata/link-local.conf X 2014,2018,2019,2020,2021,2022
./lib/lwres/unix/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/lwres/unix/include/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/lwres/unix/include/lwres/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./lib/lwres/unix/include/lwres/net.h C 2000,2001,2002,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/unreachable_p.h C 2018,2019,2020,2021,2022
./lib/lwres/version.c C 2000,2001,2004,2005,2007,2016,2018,2019,2020,2021,2022
./lib/lwres/win32/DLLMain.c C 2001,2004,2007,2016,2018,2019,2020,2021,2022
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./lib/lwres/win32/include/Makefile.in MAKE 2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
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./lib/samples/nsprobe.c C 2009,2010,2011,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./lib/samples/resolve.c C 2009,2012,2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./lib/samples/rootkey.sh SH 2013,2016,2018,2019,2020,2021,2022

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./libtool.m4/lt~obsolete.m4 X 2012,2018,2019,2020,2021,2022
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./make/Makefile.in MAKE 1998,1999,2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./make/includes.in MAKE 1999,2000,2001,2004,2005,2007,2012,2014,2016,2018,2019,2020,2021,2022
./make/mkdep.in X 1999,2000,2001,2006,2011,2014,2018,2019,2020,2021,2022
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9,2020,2021,2022
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./unit/gdb X 2020,2021,2022
./unit/unittest.sh.in X 2011,2012,2015,2018,2019,2020,2021,2022
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./util/api-checker.sh SH 2020,2021,2022
./util/bindkeys.pl PERL 2009,2010,2011,2012,2014,2016,2017,2018,2019,2020,2021,2022
./util/branchsync.sh SH 2013,2016,2018,2019,2020,2021,2022
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./util/check-categories.sh SH 2015,2016,2017,2018,2019,2020,2021,2022
./util/check-changes PERL 2002,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/check-cocci X 2018,2019,2020,2021,2022
./util/check-includes.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/check-instincludes.sh SH 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/check-line-length.sh SH 2021,2022
./util/check-make-install.in SH 2020,2021,2022
./util/check-pullups.pl PERL 2001,2002,2003,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/check-sources.pl PERL 2000,2001,2004,2007,2012,2013,2016,2018,2019,2020,2021,2022
./util/check-win32util-configure SH 2019,2020,2021,2022
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8,2019,2020,2021,2022
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./util/kit.sh SH

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./util/memleak.pl PERL 1999,2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
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0,2021,2022
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./util/nanny.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/new-func PERL 2005,2007,2012,2016,2018,2019,2020,2021,2022
./util/nt-kit SH 1999,2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/pairwise-testing.sh SH 2020,2021,2022
./util/parse_tsan.py PYTHON-BIN 2020,2021,2022
./util/spacewhack.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/tabify-changes SH 2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/update-drafts.pl PERL 2000,2001,2004,2007,2012,2016,2018,2019,2020,2021,2022
./util/update_branches PERL 2005,2007,2012,2016,2018,2019,2020,2021,2022
./util/update_copyrights PERL
1998,1999,2000,2001,2004,2005,2006,2007,2008,2009,2010,2012,2013,2014,2015,2016,2017,2018,2019,2020,202
1,2022
./util/xc SH 2012,2013,2016,2018,2019,2020,2021,2022
./util/xmllint-html.sh SH 2021,2022
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1,2022
./win32utils/Configure PERL 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
./win32utils/GeoIP.diff X 2013,2018,2019,2020,2021,2022
./win32utils/bind9.sln.in X 2013,2014,2015,2016,2017,2018,2019,2020,2021,2022
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./win32utils/legacy/BINDBuild.dsw.in X
2001,2005,2006,2008,2009,2010,2013,2014,2015,2016,2018,2019,2020,2021,2022
./win32utils/legacy/BuildAll.bat.in BAT
2001,2002,2004,2005,2006,2007,2008,2009,2010,2013,2014,2015,2016,2018,2019,2020,2021,2022
./win32utils/legacy/BuildPost.bat.in BAT 2005,2006,2013,2014,2016,2018,2019,2020,2021,2022
./win32utils/legacy/BuildSetup.bat.in BAT
2001,2002,2004,2005,2006,2007,2008,2009,2010,2012,2013,2014,2015,2016,2018,2019,2020,2021,2022
./win32utils/legacy/makedefs.pl PERL 2001,2004,2007,2009,2012,2013,2014,2016,2018,2019,2020,2021,2022
./win32utils/legacy/win32-build.txt TXT.BRIEF 2001,2002,2004,2005,2008,2009,2012,2013,2014,2016,2018,2019
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-
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-->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

```
<xsl:stylesheet version="1.0"
 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:variable name="isc.copyright.text">
  <xsl:text>
    This Source Code Form is subject to the terms of the Mozilla Public
```

```
    License, v. 2.0. If a copy of the MPL was not distributed with this
    file, You can obtain one at http://mozilla.org/MPL/2.0/.
  </xsl:text>
 </xsl:variable>

 <xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
   <xsl:with-param name="text">
    <xsl:for-each select="db:book/db:info/db:copyright | db:refentry/db:docinfo/db:copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
   <xsl:with-param name="years" select="db:year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="db:holder"/>
      <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
 </xsl:for-each>
 <xsl:value-of
 select="$isc.copyright.text"/>
   </xsl:with-param>
  </xsl:call-template>
 </xsl:variable>
</xsl:stylesheet>

<!--
 - Local variables:
 - mode: sgml
 - End:
-->
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1.52 rsyslog 8.2206.0

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1.56 libtirpc 1.3.3

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1.58 usb-modeswitch 1.2.5

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1.62 cpp 9.5.0

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

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DRuntime: Runtime Library for the D Programming Language
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1.67 iw 5.16

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1.69 mtr 0.95

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1.70 ncurses 6.3.20220423

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```
#!/usr/bin/env bash
# MIT licenses will each have a unique MD5 sum since they contain a unique copyright.
# This script will read the license file into memory, strip out the copyright, and then
# generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e

calculate_md5_sum() {
 local FILE="$1"

 # Read the contents of the file into a variable
 local raw_license_text=$(<"$FILE")

 # Convert to lowercase
 local lowercase_license_text="${raw_license_text,,}"
```

```
 # Remove anything before the beginning of the license
 local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

 # Replace line breaks (Windows or Linux) with a single space
 local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")

 # Replace multiple spaces with a single space
 local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

 # Strip away any non-printable, non-whitespace characters
 local clean_unprintable_license_text=$(tr
 -cd '[:print:][:space:]' <<< "$normalized_license_text")

 # Remove punctuation and special characters
 local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z ]//g')

 # Calculate the MD5 sum of the cleaned license text
 local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

 # Output the MD5 sum
 echo "$MD5SUM"
}

# Check if the FILE argument is provided
if [ -z "$1" ]; then
 echo "Please provide a FILE as an argument."
 exit 1
fi

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"
```

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jseward@bzip.org
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1.80 c-ares 1.18.1

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1.81 log-rotate 3.15.1

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1.82 wpa-supplicant 2.10

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1.83 dnsmasq 2.87

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1.84 e2fsprogs 1.46.4

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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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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
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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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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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1.85 pcre 8.44

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1.86 libjitterentropy 3.4.1

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References
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* AOL
http://www.aleksey.com/pipermail/xmlsec/2003/005488.html
http://www.aleksey.com/pipermail/xmlsec/attachments/20030729/0e25648e/attachment.htm

* Cordys R&D BV
http://www.aleksey.com/pipermail/xmlsec/2003/005581.html

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1.98 pcre 8.31

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Written by: Philip Hazel
Email local part: ph10
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1.99 libsoup 2.74.2

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1.100 squid 6.9

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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
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You must give prominent notice with each copy of the work that the
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this License. You must supply a copy of this License. If the work
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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
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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.

c) Accompany the work with a written offer, valid for at least
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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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other library
facilities. This must be distributed under the terms of the Sections above.

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Some devices are designed to deny users access to install or run
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freedom of users.

Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of
software on general-purpose computers, but in those that do, we wish
to avoid the special danger that patents applied to a free program
could make it effectively proprietary. To prevent this, the GPL
assures that patents cannot be used to render the program non-free.

The precise
 terms and conditions for copying, distribution and
modification follow.

@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

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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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any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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The Corresponding Source need not include anything that users can

regenerate
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@enumerate
a
@item
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.

@item
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.

@item
Convey individual copies of the object code with a copy of the written offer
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@item

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.

@item
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code using peer-to-peer transmission, provided you
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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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(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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Version 3.1, 31 March 2009

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DRuntime: Runtime Library for the D Programming Language
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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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
state the exclusion of warranty; and each file should have at least
the ``copyright'' line and a pointer to where the full notice is found.

@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
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@end smallexample

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

If the program does terminal interaction, make it output a short
notice like this when it starts in an interactive mode:

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@end smallexample

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@c man end
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DRuntime: Runtime Library for the D Programming Language
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1.105 gpt-fdisk 1.0.4

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1.108 mongoose-web-server 3.5

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1.109 shadow 4.8.1

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1.114 libexecinfo 1.1

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*/
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I. About

This is a quick-n-dirty BSD licensed clone of backtrace facility found
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platforms, however it can be used at any platform which has a gcc
compiler.

More information about API can be found here:

http://www.gnu.org/software/libc/manual/html_node/Backtraces.html

II. Known limitations

- Depth of stack trace is limited to 128 levels, which should be enough
 in most cases, the limit can be increased by editing gen.py and
 regenerating stacktraverse.c. The reason for that limitation steams
 from the fact that __builtin_return_address() function takes only
 constant as an argument, while gcc(1) has problems compiling giant
 switch() tables. For example to compile one with 1024 entries gcc(1)
 needs more than 1GB of memory (sic!);

- executable have to be linked using `-Wl,--export-dynamic' option,
 in order for function names to be displayed

properly.

III. Author

Author of this junk is Maxim Sobolev <sobomax@FreeBSD.org>. Any feedback,
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1.115 open-ldap 2.5.12

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1.116 pimd 2.3.0-1

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1.117 openntpd 3.9p1

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1.118 base-files 3.0.14

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1.119 pcre 8.44

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1.120 nuttcp 8.2.2

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/*
* N U T T C P . C   v8.2.2
*
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*
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```
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*
* Based on nttcp
* Developed by Bill Fink, billfink@mindspring.com
*          and Rob Scott, rob@hpcmo.hpc.mil
* Latest version available at:
* http://nuttcp.net/nuttcp/beta/
*
* Test TCP connection.  Makes a connection on port 5000(ctl)/5101(data)
 * and transfers fabricated buffers or data copied from stdin.
*
* Run nuttcp with no arguments to get a usage statement
*
* Modified for operation under 4.2BSD, 18 Dec 84
*      T.C. Slattery, USNA
* Minor improvements, Mike Muuss and Terry Slattery, 16-Oct-85.
*
* 8.2.2, Bill Fink, 5-Oct-18
* Improve warning when third party "-4/-6" is not supported
* Add af=inet/inet6 to verbose UDP output
* Add ip=<server_ip> to verbose UDP output for client transmitter
* 8.2.1, Bill Fink, 3-Oct-18
* Fix to pass "-4" or "-6" argument to 3rd party
* 8.1.4, Rob Scott, 1-Nov-16
* Fix to allow compile with -Werror=format-security as noted by Dhiru Kholia in fedora bug 1037224
* Fix missing brackets caught by -Wmisleading-indentation
*      Add code to print out address family of connect/accept
*      Add code to translate v4mapped addresses
* 8.1.3, Bill Fink, 9-Sep-16
* Fix to allow direct I/O on block devices
* Fix parsing of "-R i[s]##[/##]" (blank between 'R' and
 'i')
* Updated Copyright notice for new year
* 8.1.2, Bill Fink, 5-Sep-16
* Fix to not exercise 8.0.1 and 8.1.1 features for non-Linux systems
* Changed nuttcp site to http://nuttcp.net/nuttcp/beta/
* Added define test for NOT_LINUX to undefine LINUX for build testing
* 8.1.1, Bill Fink, 31-Aug-16
* Add "-Ris##" option to emulate smoothed slow start behavior (Linux only)
* 8.0.1, Bill Fink, 22-Aug-16
* Add reporting of TCP congestion window
* 7.3.4, Rob Scott & Bill Fink, 18-Jul-16
* Use clock_gettime() on Windows/CYGWIN and Linux (if available)
```

* 7.3.3, Rob Scott, 1-May-15
* Fix tos to work for ipv6 by setting traffic class
* 7.3.2, Bill Fink, 3-Aug-14
* Allow longer server info timeout for third party via --idle-data-timeout
* 7.3.1, Bill Fink, 27-Jul-14
* Added feature to specify source port with "-p#:#" and "-P#:#"
* Updated Copyright notice for new year
* 7.2.2, Bill Fink, 25-May-13
* Fix Linux bug of exceeding MAX_EOT_WAIT_SEC on lossy large RTT path
* with
large window causing false "Error: receiver not ACKing data"
* Change Linux method for draining socket send queue at EOT while waiting
* for any TCP retransmissions to complete - instead of checking
* tcpi_unacked value from TCP_INFO getsockopt() use SIOCOUTQ ioctl()
* (new error message is "Error: timeout while draining socket send queue")
* 7.2.1, Bill Fink, 26-Dec-12
* Add "-g" option to specify multicast IP address to use
* Clean up really confused transmit code for IPv4/IPv6 SSM multicast
* Bug fix from Aristeu Rozanski:
* Crash caused by closing TCP_ADV_WIN_SCALE file even if open failed
* 7.1.6, Bill Fink, 25-Feb-12
* Add "-sd" direct I/O option for non-sinkmode (Linux only)
* Fix bug with server CPU affinity being parsed as %X instead of %d
* For non-sinkmode insure complete network block is written to stdout
* Above fixes nuttscp bug seen with --copy-dir getting premature EOF
* Updated Copyright notice for new year
* Whitespace style cleanups
* 7.1.5, Rob
Scott, 19-Jul-11
* Not every system has ERESTART added in 7.1.4, wrapped in ifdef
* 7.1.4, Bill Fink, 30-May-11
* Updated Copyright notice
* Use -DHAVE_SS_FAMILY to override _AIX workaround for newer AIX
* AIX can get ERESTART rather than EINTR/EAGAIN error on interrupted I/O
* Fix non-Linux systems to properly count TCP retrans for multiple streams
* Allow xinetd nuttcp server to handle both IPv4 & IPv6 if no explicitaf
* Detect EOD for non-sinkmode UDP transfers
* Suppress bogus warning when using maximum size UDP packet
* 7.1.3, Bill Fink, 1-Apr-10
* Fix compiler warnings generated by Ubuntu 9.x gcc 4.3.x/4.4.x versions
* (to see warnings compile with -DWANT_WUR)
* 7.1.2, Bill Fink, 23-Jan-10
* Updated Copyright notice
* Terminate non-sinkmode after specified file size with "-n" option
* Allow multilink aggregation with "-N##m" option to work for receive
* Add "-sz" zero copy option for non-sinkmode when input is a regular file
* Fix compiler warnings about strict-aliasing

rules for variable group
* Remove "-Sf" forced server mode from Usage: statement
* Fix zeroing of clientaddr6 during server cleanup
* Fix freeaddrinfo() processing during cleanup
* Change manually started oneshot server to have parent process just exit
* Some minor whitespace cleanup
* 7.1.1, Bill Fink, 24-Dec-09
* Provide summary TCP retrans info for multi-stream TCP
* Fix bug with retrans interval info when -fparse
* Add "+stride" or "+n.n.n.n" syntax for multi-stream TCP (IPv4)
* Fix third party bug with "-xc" option adding extraneous 't' character
* Add optional client-side name resolution for third party host
* Add "-N##m" option for multilink aggregation for multiple streams
* Add "-xc#/#" and "-P#/#" options to Usage: statement
* Some minor whitespace cleanup
* 7.0.1, Bill Fink, 18-Sep-09
* Enable jitter measurements with "-j" option
* Enable one-way delay measurements with "-o" option
* Fix bug with RTT and -fparse
* 6.2.10, Bill Fink, 1-Aug-09
* Change
ctl/data port checks to < 1024 instead of < 5000
* Fix "--idle-data-timeout" Usage: statement for new default minimum
* Improve transmit performance with "-i" by setting poll() timeout to 0
* Remove commented out code for unused normal_eod
* Don't output interval retrans info if non-sinkmode (for nuttscp)
* 6.2.9, Bill Fink, 24-Jun-09
* Make retrans info reporting work again on newer Linux distros
* Skip check for unACKed data at end of transfer if -DBROKEN_UNACKED
* 6.2.8, Bill Fink, 8-Jun-09
* Play nice with iperf (change default data port to 5101)
* Delay sending of server "OK" until after successful server bind()
* Client check for server errors before starting data transfer
* Continue checking for server output while draining client transmission
* Correct "server not ACKing data" error message (server -> receiver)
* Add "--packet-burst" option for Rob
* Fix "--idle-data-timeout" Usage: statement for client
* Improve accuracy of retrans info timing synchronization
(client xmitter)
* Change reference to nuttcp repository from ftp:// to http://
* Fix bug affecting nuttscp introduced in 6.2.4 (not honoring oneshot)
* Whitespace cleanup: get rid of <tab><spaces><tab>, <tab>$, & <spaces>$
* Whitespace cleanup: convert 8 spaces to <tab> where appropriate
* 6.2.7, Bill Fink, 22-May-09
* Allow rate limit to be exceeded temporarily by n packets ("-Rixxx/n")
* Fix several reqval parameter settings
* 6.2.6, Bill Fink, 17-Apr-09
* Allow setting server CPU affinity from client via "-xcs" option

* Allow setting client & server CPU affinity via third party
* Fix bug with option processing when reqval is set
* 6.2.5, Bill Fink, 16-Apr-09
* Allow passing of third party control port via "-Pctlport/ctlport3"
* Up default idle data minimum to 15 sec to better handle net transients
* Don't reset nstream until after last use (fix getaddrinfo() memory leak)
* 6.2.4, Bill Fink, 10-Apr-09
* Fix bug with simultaneous server connections to manually started
server
* 6.2.3, Bill Fink, 5-Apr-09
* Add "-xc" option to set CPU affinity (Linux only)
* Fix Usage: statement: "--idle-data-timeout" both server & client option
* Don't reset priority on server cleanup
* Fix priority output for "-fparse"
* 6.2.2, Bill Fink, 3-Apr-09
* Fix bad third party bug causing >= 1 minute transfers to silently fail
* Fix Usage: statement: "--idle-data-timeout" not just a server option
* 6.2.1, Rob Scott, 22-Mar-09
* Added IPv6 and SSM MC support
* Ported from Rob's 5.5.5 based code by Bill Fink
* 6.1.5, Bill Fink, 5-Mar-09
* Fix client lockup with third party when network problem (for scripts)
* 6.1.4, Bill Fink, 5-Jan-09
* Updated Copyright notice
* Bugfix: set chk_idle_data on client (now also checks no data received)
* Use argv[0] instead of "nuttcp" for third party
* Bugfix: give error message again on error starting server
* 6.1.3, Bill Fink, 17-Sep-08
* Timeout client accept() too and give nice error message (for scripts)
* 6.1.2,
Bill Fink, 29-Aug-08
* Don't wait forever for unacked data at EOT (limit to 1 minute max)
* Extend no data received protection to client too (for scripts)
* Give nice error messages to client for above cases
* Don't hang getting server info if server exited (timeout reads)
* 6.1.1, Bill Fink, 26-Aug-08
* Remove beta designation
* Report RTT by default (use "-f-rtt" to suppress)
* Moved RTT info to "connect to" line
* Correct bogus IP frag warning for e.g. "-l1472" or "-l8972"
* Don't report interval host-retrans if no data rcvd (e.g. initial PMTU)
* Correct reporting of retrans info with "-fparse" option
* Correct reporting of RTT with "-F" flip option
* Report doubled send and receive window sizes (for Linux)
* Add report of available send and receive window sizes (for Linux)
* Touchup TODO list to remove some already completed items
* 6.0.7, Bill Fink, 19-Aug-08
* Add delay (default 0.5 sec) to "-a" option & change max retries to 10

* Updated Copyright notice
*
 6.0.6, Bill Fink, 11-Aug-08
* Delay server forking until after listen() for better error status
* Above suggested by Hans Blom (jblom@science.uva.nl)
* Make forced server mode the default behavior
* Check address family on getpeername() so "ssh host nuttcp -S" works
* Add setsid() call for manually started server to create new session
* Some minor code cleanup
* 6.0.5, Bill Fink, 10-Aug-08
* Allow "-s" from/to stdin/stdout with "-1" oneshot server mode
* Switch beta vers message to stderr to not interfere with "-s" option
* Don't set default timeout if "-s" specified
* Give error message for "-s" with "-S" (xinetd or manually started)
* 6.0.4, Bill Fink, 18-Jul-08
* Forgot about 3rd party support for RTT info - fix that
* 6.0.3, Bill Fink, 17-Jul-08
* A better (and accurate) way to get RTT info (and not just Linux)
* 6.0.2, Bill Fink, 16-Jul-08
* Add RTT info to brief output for Linux
* 6.0.1, Bill Fink, 17-Dec-07
* Add reporting of TCP retransmissions (interval reports
 on Linux TX only)
* Add reporting of data transfer RTT for verbose Linux output
* Add beta version messages and "-f-beta" option to suppress
* Automatically switch "classic" mode to oneshot server mode
* Fix UDP loss info bug not updating stream_idx when not need_swap
* Fix compiler warning doing sprintf of timeout
* Correct comment on NODROPS define
* 5.5.5, Bill Fink, 1-Feb-07
* Change default MC addr to be based on client addr instead of xmit addr
* 5.5.4, Bill Fink, 3-Nov-06
* Fix bug with negative loss causing huge drop counts on interval reports
* Updated Copyright notice and added GPL license notice
* 5.5.3, Bill Fink, 23-Oct-06
* Fix bug with "-Ri" instantaneous rate limiting not working properly
* 5.5.2, Bill Fink, 25-Jul-06
* Make manually started server multi-threaded
* Add "--single-threaded" server option to restore old behavior
* Add "-a" client option to retry a failed server connection "again"
* (for certain possibly transient errors)
* 5.5.1, Bill
 Fink, 22-Jul-06
* Fix bugs with nbuf_bytes and rate_pps used with 3rd party
* Pass "-D" option to server (and also make work for third party)
* Allow setting precedence with "-c##p"
* 5.4.3, Rob Scott & Bill Fink, 17-Jul-06
* Fix bug with buflen passed to server when no buflen option speicified

* (revert 5.3.2: Fix bug with default UDP buflen for 3rd party)
* Better way to fix bug with default UDP buflen for 3rd party
* Trim trailing '\n' character from err() calls
* Use fcntl() to set O_NONBLOCK instead of MSG_DONTWAIT to send() ABORT
* (and remove MSG_DONTWAIT from recv() because it's not needed)
* Don't re-initialize buflen at completion of server processing
* (non inetd: is needed to check for buffer memory allocation change,
* caused bug if smaller "-l" followed by larger default "-l")
* 5.4.2, Bill Fink, 1-Jul-06
* Fix bug with interrupted UDP receive reporting negative packet loss
* Make sure errors (or debug) from server are propagated to the client
* Make setsockopt
SO_SNDBUF/SO_RCVBUF error not be fatal to server
* Don't send stderr to client if nofork is set (manually started server)
* 5.4.1, Bill Fink, 30-Jun-06
* Fix bug with UDP reporting > linerate because of bad correction
* Send 2nd UDP BOD packet in case 1st is lost, e.g. waiting for ARP reply
* (makes UDP BOD more robust for new separate control and data paths)
* Fix bug with interval reports after EOD for UDP with small interval
* Don't just exit inetd server on no data so can get partial results
* (keep an eye out that servers don't start hanging again)
* Make default idle data timeout 1/2 of timeout if interval not set
* (with a minimum of 5 seconds and a maximum of 60 seconds)
* Make server send abort via urgent TCP data if no UDP data received
* (non-interval only: so client won't keep transmitting for full period)
* Workaround for Windows not handling TCP_MAXSEG getsockopt()
* 5.3.4, Bill Fink, 21-Jun-06
* Add "--idle-data-timeout" server option
* (server ends
transfer if no data received for the specified
* timeout interval, previously it was a fixed 60 second timeout)
* Shutdown client control connection for writing at end of UDP transfer
* (so server can cope better with loss of all EOD packets, which is
* mostly of benefit when using separate control and data paths)
* 5.3.3, Bill Fink & Mark S. Mathews, 18-Jun-06
* Add new capability for separate control and data paths
* (using syntax: nuttcp ctl_name_or_IP/data_name_or_IP)
* Extend new capability for multiple independent data paths
* (using syntax: nuttcp ctl/data1/data2/.../datan)
* Above only supported for transmit or flipped/reversed receive
* Fix -Wall compiler warnings on 64-bit systems
* Make manually started server also pass stderr to client
* (so client will get warning messages from server)
* 5.3.2, Bill Fink, 09-Jun-06
* Fix bug with default UDP buflen for 3rd party
* Fix compiler warnings with -Wall on FreeBSD
* Give warning that windows doesn't support

TCP_MAXSEG
* 5.3.1, Rob Scott, 06-Jun-06
* Add "-c" COS option for setting DSCP/TOS setting
* Fix builds on latest MacOS X
* Fix bug with 3rd party unlimited rate UDP not working
* Change "-M" option to require a value
* Fix compiler warnings with -Wall (thanks to Daniel J Blueman)
* Remove 'v' from nuttcp version (simplify RPM packaging)
* V5.2.2, Bill Fink, 13-May-06
* Have client report server warnings even if not verbose
* V5.2.1, Bill Fink, 12-May-06
* Pass "-M" option to server so it also works for receives
* Make "-uu" be a shortcut for "-u -Ru"
* V5.1.14, Bill Fink, 11-May-06
* Fix cancellation of UDP receives to work properly
* Allow easy building without IPv6 support
* Set default UDP buflen to largest 2^n less than MSS of ctlconn
* Add /usr/local/sbin and /usr/etc to path
* Allow specifying rate in pps by using 'p' suffix
* Give warning if actual send/receive window size is less than requested
* Make UDP transfers have a default rate limit of 1 Mbps
* Allow
setting MSS for client transmitter TCP transfers with "-M" option
* Give more precision on reporting small UDP percentage data loss
* Disallow UDP transfers in "classic" mode
* Notify when using "classic" mode
* V5.1.13, Bill Fink, 8-Apr-06
* Make "-Ri" instantaneous rate limit for very high rates more accurate
* (including compensating for microsecond gettimeofday() granularity)
* Fix bug giving bogus time/stats on UDP transmit side with "-Ri"
* Allow fractional rate limits (for 'm' and 'g' only)
* V5.1.12, Bill Fink & Rob Scott, 4-Oct-05
* Terminate server receiver if client control connection goes away
* or if no data received from client within CHECK_CLIENT_INTERVAL
* V5.1.11, Rob Scott, 25-Jun-04
* Add support for scoped ipv6 addresses
* V5.1.10, Bill Fink, 16-Jun-04
* Allow 'b' suffix on "-w" option to specify window size in bytes
* V5.1.9, Bill Fink, 23-May-04
* Fix bug with client error on "-d" option putting server into bad state
* Set server accept timeout
(currently 5 seconds) to prevent stuck server
* Add nuttcp version info to error message from err() exit
* V5.1.8, Bill Fink, 22-May-04
* Allow 'd|D' suffix to "-T" option to specify days
* Fix compiler warning about unused variable cp in getoptvalp routine
* Interval value check against timeout value should be >=
* V5.1.7, Bill Fink, 29-Apr-04

* Drop "-nb" option in favor of "-n###[k|m|g|t|p]"
* V5.1.6, Bill Fink, 25-Apr-04
* Fix bug with using interval option without timeout
* V5.1.5, Bill Fink, 23-Apr-04
* Modification to allow space between option parameter and its value
* Permit 'k' or 'm' suffix on "-l" option
* Add "-nb" option to specify number of bytes to transfer
* Permit 'k', 'm', 'g', 't', or 'p' suffix on "-n" and "-nb" options
* V5.1.4, Bill Fink, 21-Apr-04
* Change usage statement to use standard out instead of standard error
* Fix bug with interval > timeout, give warning and ignore interval
* Fix bug with counting error value in nbytes on interrupted
transfers
* Fix bug with TCP transmitted & received nbytes not matching
* Merge "-t" and "-r" options in Usage: statement
* V5.1.3, Bill Fink, 9-Apr-04
* Add "-Sf" force server mode (useful for starting server via rsh/ssh)
* Allow non-root user to find nuttcp binary in "."
* Fix bug with receives terminating early with manual server mode
* Fix bug with UDP receives not terminating with "-Ri" option
* Clean up output formatting of nbuf (from "%d" to "%llu")
* Add "-SP" to have 3rd party use same outgoing control port as incoming
* V5.1.2, Bill Fink & Rob Scott, 18-Mar-04
* Fix bug with nbuf wrapping on really long transfers (int -> uint64_t)
* Fix multicast address to be unsigned long to allow shift
* Add MacOS uint8_t definition for new use of uint8_t
* V5.1.1, Bill Fink, 8-Nov-03
* Add IPv4 multicast support
* Delay receiver EOD until EOD1 (for out of order last data packet)
* Above also drains UDP receive buffer (wait for fragmentation reassembly)
* V5.0.4, Bill
Fink, 6-Nov-03
* Fix bug reporting 0 drops when negative loss percentage
* V5.0.3, Bill Fink, 6-Nov-03
* Kill server transmission if control connection goes away
* Kill 3rd party nuttcp if control connection goes away
* V5.0.2, Bill Fink, 4-Nov-03
* Fix bug: some dummy wasn't big enough :-)
* V5.0.1, Bill Fink, 3-Nov-03
* Add third party support
* Correct usage statement for "-xt" traceroute option
* Improved error messages on failed options requiring client/server mode
* V4.1.1, David Lapsley and Bill Fink, 24-Oct-03
* Added "-fparse" format option to generate key=value parsable output
* Fix bug: need to open data connection on abortconn to clear listen
* V4.0.3, Rob Scott, 13-Oct-03
* Minor tweaks to output format for alignment
* Interval option "-i" with no explicit value sets interval to 1.0

* V4.0.2, Bill Fink, 10-Oct-03
* Changed "-xt" option to do both forward and reverse traceroute
* Changed to use brief output by default ("-v" for old default behavior)
* V4.0.1,
Rob Scott, 10-Oct-03
* Added IPv6 code
* Changed inet get functions to protocol independent versions
* Added fakepoll for hosts without poll() (macosx)
* Added ifdefs to only include setprio if os supports it (non-win)
* Added bits to handle systems without new inet functions (solaris < 2.8)
* Removed SYSV obsolete code
* Added ifdefs and code to handle cygwin and beginning of windows support
* Window size can now be in meg (m|M) and gig (g|G)
* Added additional directories to search for traceroute
* Changed default to transmit, time limit of 10 seconds, no buffer limit
* Added (h|H) as option to specify time in hours
* Added getservbyname calls for port, if all fails use old defaults
* Changed sockaddr to sockaddr_storage to handle v6 addresses
* v3.7.1, Bill Fink, 10-Aug-03
* Add "-fdebugpoll" option to help debug polling for interval reporting
* Fix Solaris compiler warning
* Use poll instead of separate process for interval reports
* v3.6.2, Rob Scott, 18-Mar-03
* Allow setting server window to use default value
* Cleaned out BSD42 old code
* Marked SYSV code for future removal as it no longer appears necessary
* Also set RCVBUF/SNDBUF for udp transfers
* Changed transmit SO_DEBUG code to be like receive
* Some code rearrangement for setting options before accept/connect
* v3.6.1, Bill Fink, 1-Mar-03
* Add -xP nuttcp process priority option
* Add instantaneous rate limit capability ("-Ri")
* Don't open data connection if server error or doing traceroute
* Better cleanup on server connection error (close open data connections)
* Don't give normal nuttcp output if server error requiring abort
* Implement -xt traceroute option
* v3.5.1, Bill Fink, 27-Feb-03
* Don't allow flip option to be used with UDP
* Fix bug with UDP and transmit interval option (set stdin unbuffered)
* Fix start of UDP timing to be when get BOD
* Fix UDP timing when don't get first EOD
* Fix ident option used with interval option
* Add "-f-percentloss"
option to not give %loss info on brief output
* Add "-f-drops" option to not give packet drop info on brief output
* Add packet drop info to UDP brief output (interval report and final)
* Add "-frunningtotal" option to give cumulative stats for "-i"
* Add "-fdebuginterval" option to help debug interval reporting

* Add "-fxmitstats" option to give transmitter stats
* Change flip option from "-f" to "-F"
* Fix divide by zero bug with "-i" option and very low rate limit
* Fix to allow compiling with Irix native compiler
* Fix by Rob Scott to allow compiling on MacOS X
* v3.4.5, Bill Fink, 29-Jan-03
* Fix client/server endian issues with UDP loss info for interval option
* v3.4.4, Bill Fink, 29-Jan-03
* Remove some debug printout for interval option
* Fix bug when using interval option reporting 0.000 MB on final
* v3.4.3, Bill Fink, 24-Jan-03
* Added UDP approximate loss info for interval reporting
* Changed nbytes and pbytes from double to uint64_t
* Changed SIGUSR1
to SIGTERM to kill sleeping child when done
* v3.4.2, Bill Fink, 15-Jan-03
* Make <control-C> work right with receive too
* v3.4.1, Bill Fink, 13-Jan-03
* Fix bug interacting with old servers
* Add "-f" flip option to reverse direction of data connection open
* Fix bug by disabling interval timer when server done
* v3.3.2, Bill Fink, 11-Jan-03
* Make "-i" option work for client transmit too
* Fix bug which forced "-i" option to be at least 0.1 seconds
* v3.3.1, Bill Fink, 7-Jan-03
* Added -i option to set interval timer (client receive only)
* Fixed server bug not setting socket address family
* v3.2.1, Bill Fink, 25-Feb-02
* Fixed bug so second <control-C> will definitely kill nuttcp
* Changed default control port to 5000 (instead of data port - 1)
* Modified -T option to accept fractional seconds
* v3.1.10, Bill Fink, 6-Feb-02
* Added -I option to identify nuttcp output
* Made server always verbose (filtering is done by client)
* Update to usage statement
* Minor
fix to "-b" output when "-D" option is used
* Fix bug with "-s" that appends nuttcp output to receiver data file
* Fix bug with "-b" that gave bogus CPU utilization on > 1 hour transfers
* v3.1.9, Bill Fink, 21-Dec-01
* Fix bug with "-b" option on SGI systems reporting 0% CPU utilization
* v3.1.8, Bill Fink, 21-Dec-01
* Minor change to brief output format to make it simpler to awk
* v3.1.7, Bill Fink, 20-Dec-01
* Implement "-b" option for brief output (old "-b" -> "-wb")
* Report udp loss percentage when using client/server mode
* Fix bug with nbytes on transmitter using timed transfer
* Combined send/receive window size printout onto a single line

* v3.1.6, Bill Fink, 11-Jun-01
* Fixed minor bug reporting error connecting to inetd server
* Previously, Bill Fink, 7-Jun-01
* Added -h (usage) and -V (version) options
* Fixed SGI compilation warnings
* Added reporting server version to client
* Added version info and changed ttcp prints to nuttcp
* Fixed bug with inetd
server and client using -r option
* Added ability to run server from inetd
* Added udp capability to server option
* Added -T option to set timeout interval
* Added -ws option to set server window
* Added -S option to support running receiver as daemon
* Allow setting UDP buflen up to MAXUDPBUFLEN
* Provide -b option for braindead Solaris 2.8
* Added printing of transmit rate limit
* Added -w option to usage statement
* Added -N option to support multiple streams
* Added -R transmit rate limit option
* Fix setting of destination IP address on 64-bit Irix systems
* Only set window size in appropriate direction to save memory
* Fix throughput calculation for large transfers (>= 2 GB)
* Fix reporting of Mb/s to give actual millions of bits per second
* Fix setting of INET address family in local socket
* Fix setting of receiver window size
*
* TODO/Wish-List:
* Transmit interval marking option
* Allow at least some traceroute options
* Add "-ut" option to do both UDP
and TCP simultaneously
* Default rate limit UDP if too much loss
* Ping option
* Other brief output formats
* Linux window size bug/feature note
* Network interface interrupts (for Linux only)
* netstat -i info
* Man page
* Forking for multiple streams
* Bidirectional option
* Graphical interface
* MTU info
* Warning for window size limiting throughput
* Auto window size optimization
* Transmitter profile and playback options
* Server side limitations (per client host/network)
* Server side logging

```
* Client/server security (password)
* nuttcp server registration
* nuttcp proxy support (firewalls)
* nuttcp network idle time
*
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* source and executable name
*/
```

Found in path(s):
* /nuttcp-8-2-2-tar-gz/nuttcp/nuttcp-8.2.2.c

1.121 mtd-openwrt 3200-r1

1.121.1 Available under license :

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```
/*
* mtd - simple memory technology device manipulation tool
*
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*                    Felix Fietkau <nbd@openwrt.org>
*
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* Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
*
* $Id: mtd.c 3200 2006-02-09 08:47:48Z
 nbd $
*
* The code is based on the linux-mtd examples.
*/
```

Found in path(s):
* /mtd-openwrt-3200-r1-tar-gz/mtd-openwrt/mtd.c

1.122 fping 5.0

1.122.1 Available under license :

* Original author: Roland Schemers <schemers@stanford.edu>
* IPv6 Support: Jeroen Massar <jeroen@unfix.org / jeroen@ipng.nl>
* Improved main loop: David Schweikert <david@schweikert.ch>
* Debian Merge, TOS settings: Tobi Oetiker <tobi@oetiker.ch>
* Bugfixes, byte order & senseful seq.-numbers: Stephan Fuhrmann (stephan.fuhrmann AT 1und1.de)
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1.123 meraki-perf 1.0

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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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*
* M. Welsh, 6 July 1996
*
*
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{
 return (strcmp(license, "GPL") == 0
  || strcmp(license, "GPL v2") == 0
  || strcmp(license, "GPL and additional rights") == 0
  || strcmp(license, "Dual BSD/GPL") == 0
  || strcmp(license, "Dual MIT/GPL") == 0
  || strcmp(license, "Dual MPL/GPL") == 0);
}

#endif
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1.124 iproute 5.5.0

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1.126 netbase 6.1

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1.129 libtins 4.2

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Gnomovision version 69, Copyright (C) year name of author
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This is free software, and you are welcome to redistribute
it
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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is what you want to do, use the GNU Lesser General
Public License instead of this License.

1.132 bird2 2.0.7

1.132.1 Available under license :

No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Token Bucket Filter
*
* (c) 2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/tbf.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Forwarding Information Base -- Data Structures
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/rt-fib.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Safe Linked Lists
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/slists.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/slists.c
No license file was found, but licenses were detected in source scan.

m4_divert(-1)m4_dnl

```
#
# BIRD -- Generator of Configuration Grammar
#
# (c) 1998--1999 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

# Diversions used:
# 1 includes
# 2 types etc.
# 3 rules
# 4 C code

# Common aliases
m4_define(DNL, `m4_dnl')

# Define macros for defining sections
m4_define(CF_ZONE, `m4_divert($1)/* $2 from m4___file__ */')
m4_define(CF_HDR, `CF_ZONE(1, Headers)')
m4_define(CF_DEFINES, `CF_ZONE(1, Defines)')
m4_define(CF_DECLS, `CF_ZONE(2, Declarations)')
m4_define(CF_GRAMMAR, `CF_ZONE(3, Grammar)')
m4_define(CF_CODE, `CF_ZONE(4, C Code)')
m4_define(CF_END, `m4_divert(-1)')

# Simple iterator
m4_define(CF_itera, `m4_ifelse($#, 1, [[CF_iter($1)]], [[CF_iter($1)[[]]CF_itera(m4_shift($@))]])')
m4_define(CF_iterate, `m4_define([[CF_iter]], m4_defn([[$1]]))CF_itera($2)')

# Keywords act as untyped %token
m4_define(CF_keywd, `m4_ifdef([[CF_tok_$1]],,[[m4_define([[CF_tok_$1]],1)m4_define([[CF_toks]],CF_toks
 $1)]])')
m4_define(CF_KEYWORDS, `m4_define([[CF_toks]],[[]])CF_iterate([[CF_keywd]],
[[$@]])m4_ifelse(CF_toks,,,%token[[]]CF_toks
)DNL')

# CLI commands
m4_define(CF_CLI, `m4_define([[CF_cmd]], cmd_[[]]m4_translit($1, [[ ]], _))DNL
m4_divert(2)CF_KEYWORDS(m4_translit($1, [[ ]], [[,]]))
m4_divert(3)cli_cmd: CF_cmd
CF_cmd: $1 $2 END')
m4_define(CF_CLI_CMD, `')
m4_define(CF_CLI_HELP, `')

# ENUM declarations are ignored
m4_define(CF_ENUM, `')
```

```
# After all configuration templates end, we finally generate the grammar file.
m4_m4wrap(`
m4_divert(0)DNL
%{
m4_undivert(1)DNL
%}

m4_undivert(2)DNL

%%
m4_undivert(3)DNL

%%
m4_undivert(4)DNL
')

# As we are processing C source, we must access all M4 primitives via
# m4_* and also set different quoting convention: `[[' and ']]'
m4_changequote([[,]])
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/gen_parser.m4
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- RIP Configuration
*
* (c) 1998--1999 Pavel Machek <pavel@ucw.cz>
* (c) 2004--2013 Ondrej Filip <feela@network.cz>
* (c) 2009--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rip/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Management of Interfaces and Neighbor Cache
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/iface.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Border Gateway Protocol
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bgp/bgp.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bgp/bgp.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Command-Line Interface
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/cli.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/cli.h
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/filter_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* UCW Library -- Universal Heap Macros
*
* (c) 2001 Martin Mares <mj@ucw.cz>
* (c) 2005 Tomas Valla <tom@ucw.cz>
```

*
* This software may be freely distributed and used according to the terms
* of the GNU Lesser General Public License.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/heap.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Flow specification (RFC 5575) grammar
*
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/flowspec.Y
No license file was found, but licenses were detected in source scan.

/*
* Filters: utility functions
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/filter.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Linux Netlink Interface
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/linux/netlink.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Resource Manager

```
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/resource.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Configuration Parser Top
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/confbase.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client - Readline variant I/O
*
* (c) 1999--2004 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/birdc.c
No license file was found, but licenses were detected in source scan.

distributed under the terms of the GNU General Public License.

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/doc/bird.sgml
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Test -- Utils for testing parsing configuration file
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/test/bt-utils.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/test/bt-utils.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- OSPF
*
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/topology.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/ospf.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/hello.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/neighbor.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/dbdes.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Documentation for Protocol Hooks (dummy source file)
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/proto-hooks.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Network Interfaces
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/iface.h
No license file was found, but licenses were detected in source scan.

/*

```
* BIRD Internet Routing Daemon -- Network addresses
*
* (c) 2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/net.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Resource Manager
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/resource.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Router Advertisement Configuration
*
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bfd/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- IP address functions Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/ip_test.c
No license file was found, but licenses were detected in source scan.

```
/*
```

```
* BIRD -- Benchmarking Dummy Protocol Configuration
*
* (c) 2018 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/perf/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Unix Entry Point
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/main.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Buffer Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/buffer_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Bidirectional Forwarding Detection (BFD)
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/bfd.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bfd/packets.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bfd/bfd.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bfd/bfd.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Linux Multicasting and Network Includes
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/linux/sysio.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Flow specification (RFC 5575)
*
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/flowspec.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/flowspec.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BSD Routing Table Syncing
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/bsd/krt-sock.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Router Advertisement
*
* (c) 2011--2019 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2011--2019 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/radv/radv.c

* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/radv/radv.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- The Internet Protocol
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/ip.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Border Gateway Protocol Configuration
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bgp/config.Y
No license file was found, but licenses were detected in source scan.

```
#
# BIRD -- Internal Commands Of The Client
#
# (c) 2000 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

CF_CLI(QUIT,,, [[Quit the client]])
CF_CLI(EXIT,,, [[Exit the client]])
CF_CLI(HELP,,, [[Description of the help system]])
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/cmds.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Fletcher-16 checksum
*
* (c) 2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2015 CZ.NIC z.s.p.o.
```

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/fletcher16.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Endianity Conversion
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/endian.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- *BSD Kernel Route Syncer
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/bsd/krt-sys.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- SHA and HMAC-SHA functions tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/mac_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Protocols
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/protocol.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Declarations Common to Unix Port
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/unix.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Logging Functions
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/log.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Message Authentication Codes
*
* (c) 2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/mac.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/mac.c
No license file was found, but licenses were detected in source scan.

% Copyright (c)1992-97 Corel Corporation
% All rights reserved. v8.0 r0.7

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/doc/slides/logo.eps
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Dynamic data structures
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2018--2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/data.h
No license file was found, but licenses were detected in source scan.

m4_divert(-1)m4_dnl
#
BIRD -- Construction of per-instruction structures
#
(c) 2018 Maria Matejka <mq@jmq.cz>
#
Can be freely distributed and used under the terms of the GNU GPL.
#
THIS IS A M4 MACRO FILE GENERATING 3 FILES ALTOGETHER.
KEEP YOUR HANDS OFF UNLESS YOU KNOW WHAT YOU'RE DOING.
EDITING AND DEBUGGING THIS FILE MAY DAMAGE YOUR BRAIN SERIOUSLY.
#
But you're welcome to read and edit and debug if you aren't scared.
#
Uncomment the following line to get exhaustive debug output.
m4_debugmode(aceflqtx)
#
How it works:
1) Instruction to code conversion (uses diversions 100..199)
2) Code wrapping (uses diversions 1..99)
3) Final preparation (uses diversions 200..299)
4) Shipout
#
See below for detailed description.
#
#
1) Instruction to code conversion
The code provided in f-inst.c between consecutive INST() calls
is interleaved for many different places. It is here processed
and

```
 split into separate instances where split-by-instruction
# happens. These parts are stored in temporary diversions listed:
#
# 101 content of per-inst struct
# 102 constructor arguments
# 103 constructor body
# 104 dump line item content
#  (there may be nothing in dump-line content and
#   it must be handled specially in phase 2)
# 105 linearize body
# 106 comparator body
# 107 struct f_line_item content
# 108 interpreter body
#
# Here are macros to allow you to _divert to the right directions.
m4_define(FID_STRUCT_IN, `m4_divert(101)')
m4_define(FID_NEW_ARGS, `m4_divert(102)')
m4_define(FID_NEW_BODY, `m4_divert(103)')
m4_define(FID_DUMP_BODY, `m4_divert(104)m4_define([[FID_DUMP_BODY_EXISTS]])')
m4_define(FID_LINEARIZE_BODY, `m4_divert(105)')
m4_define(FID_SAME_BODY, `m4_divert(106)')
m4_define(FID_LINE_IN, `m4_divert(107)')
m4_define(FID_INTERPRET_BODY, `m4_divert(108)')

# Sometimes you want slightly different code versions in different
# outputs.
# Use FID_HIC(code for inst-gen.h,
 code for inst-gen.c, code for inst-interpret.c)
# and put it into [[ ]] quotes if it shall contain commas.
m4_define(FID_HIC, `m4_ifelse(TARGET, [[H]], [[$1]], TARGET, [[I]], [[$2]], TARGET, [[C]], [[$3]])')

# In interpreter code, this is quite common.
m4_define(FID_INTERPRET_EXEC, `FID_HIC(,[[FID_INTERPRET_BODY()]],[[m4_divert(-1)]])')
m4_define(FID_INTERPRET_NEW,  `FID_HIC(,[[m4_divert(-1)]],[[FID_INTERPRET_BODY()]])')

# If the instruction is never converted to constant, the interpret
# code is not produced at all for constructor
m4_define(NEVER_CONSTANT, `m4_define([[INST_NEVER_CONSTANT]])')
m4_define(FID_IFCONST, `m4_ifdef([[INST_NEVER_CONSTANT]],[[$2]],[[$1]])')

# If the instruction has some attributes (here called members),
# these are typically carried with the instruction from constructor
# to interpreter. This yields a line of code everywhere on the path.
# FID_MEMBER is a macro to help with this task.
m4_define(FID_MEMBER, `m4_dnl
FID_LINE_IN()m4_dnl
    $1 $2;
FID_STRUCT_IN()m4_dnl
```

```
    $1 $2;
FID_NEW_ARGS()m4_dnl
 , $1 $2
FID_NEW_BODY()m4_dnl
whati->$2 = $2;
FID_LINEARIZE_BODY()m4_dnl
item->$2 = whati->$2;
m4_ifelse($3,,,[[
FID_SAME_BODY()m4_dnl
if ($3) return 0;
]])
m4_ifelse($4,,,[[
FID_DUMP_BODY()m4_dnl
debug("%s" $4 "\n", INDENT, $5);
]])
FID_INTERPRET_EXEC()m4_dnl
const $1 $2 = whati->$2
FID_INTERPRET_BODY')

# Instruction arguments are needed only until linearization is done.
# This puts the arguments into the filter line to be executed before
# the instruction itself.
#
# To achieve this, ARG_ANY must be called before anything writes into
# the instruction line as it moves the instruction pointer forward.
m4_define(ARG_ANY, `
FID_STRUCT_IN()m4_dnl
    struct f_inst * f$1;
FID_NEW_ARGS()m4_dnl
 , struct f_inst * f$1
FID_NEW_BODY
whati->f$1 = f$1;
for (const struct f_inst *child = f$1; child; child = child->next) {
 what->size += child->size;
FID_IFCONST([[
 if (child->fi_code != FI_CONSTANT)
   constargs = 0;
]])
}
FID_LINEARIZE_BODY
pos
 = linearize(dest, whati->f$1, pos);
FID_INTERPRET_BODY()')

# Some instructions accept variable number of arguments.
m4_define(VARARG, `
FID_NEW_ARGS()m4_dnl
 , struct f_inst * fvar
```

```
FID_STRUCT_IN()m4_dnl
    struct f_inst * fvar;
    uint varcount;
FID_LINE_IN()m4_dnl
    uint varcount;
FID_NEW_BODY()m4_dnl
whati->varcount = 0;
whati->fvar = fvar;
for (const struct f_inst *child = fvar; child; child = child->next, whati->varcount++) {
 what->size += child->size;
FID_IFCONST([[
 if (child->fi_code != FI_CONSTANT)
  constargs = 0;
]])
}
FID_IFCONST([[
 const struct f_inst **items = NULL;
 if (constargs) {
  items = alloca(whati->varcount * sizeof(struct f_inst *));
  const struct f_inst *child = fvar;
  for (uint i=0; child; i++)
    child = (items[i] = child)->next;
 }
]])
FID_LINEARIZE_BODY()m4_dnl
 pos = linearize(dest, whati->fvar, pos);
 item->varcount = whati->varcount;
FID_DUMP_BODY()m4_dnl
 debug("%snumber of varargs %u\n", INDENT, item->varcount);
FID_SAME_BODY()m4_dnl
  if (f1->varcount != f2->varcount) return 0;
FID_INTERPRET_BODY()
FID_HIC(,[[
 if (fstk->vcnt < whati->varcount) runtime("Stack underflow");
 fstk->vcnt -= whati->varcount;
]],)
')

# Some arguments need to check their type. After that, ARG_ANY is called.
m4_define(ARG, `ARG_ANY($1)
FID_INTERPRET_EXEC()m4_dnl
if (v$1.type != $2) runtime("Argument $1 of instruction %s must be of type $2, got 0x%02x",
f_instruction_name(what->fi_code), v$1.type)m4_dnl
FID_INTERPRET_BODY()')

# Executing another filter line. This replaces the recursion
# that was needed in the former implementation.
m4_define(LINEX, `FID_INTERPRET_EXEC()LINEX_($1)FID_INTERPRET_NEW()return $1
```

```
FID_INTERPRET_BODY()')
m4_define(LINEX_, `do {
 fstk->estk[fstk->ecnt].pos = 0;
 fstk->estk[fstk->ecnt].line = $1;
 fstk->estk[fstk->ecnt].ventry = fstk->vcnt;
 fstk->estk[fstk->ecnt].vbase = fstk->estk[fstk->ecnt-1].vbase;
 fstk->estk[fstk->ecnt].emask = 0;
 fstk->ecnt++;
} while (0)')

m4_define(LINE,
`
FID_LINE_IN()m4_dnl
    const struct f_line * fl$1;
FID_STRUCT_IN()m4_dnl
    struct f_inst * f$1;
FID_NEW_ARGS()m4_dnl
 , struct f_inst * f$1
FID_NEW_BODY()m4_dnl
whati->f$1 = f$1;
FID_DUMP_BODY()m4_dnl
f_dump_line(item->fl$1, indent + 1);
FID_LINEARIZE_BODY()m4_dnl
item->fl$1 = f_linearize(whati->f$1);
FID_SAME_BODY()m4_dnl
if (!f_same(f1->fl$1, f2->fl$1)) return 0;
FID_INTERPRET_EXEC()m4_dnl
do { if (whati->fl$1) {
 LINEX_(whati->fl$1);
} } while(0)
FID_INTERPRET_NEW()m4_dnl
return whati->f$1
FID_INTERPRET_BODY()')

# Some of the instructions have a result. These constructions
# state the result and put it to the right place.
m4_define(RESULT, `RESULT_VAL([[ (struct f_val) { .type = $1, .val.$2 = $3 } ]])')
m4_define(RESULT_VAL, `FID_HIC(, [[do { res = $1; fstk->vcnt++; } while (0)]],
[[return fi_constant(what, $1)]])')
m4_define(RESULT_VOID, `RESULT_VAL([[ (struct f_val) { .type = T_VOID } ]])')

# Some common filter instruction members
m4_define(SYMBOL, `FID_MEMBER(struct
 symbol *, sym, [[strcmp(f1->sym->name, f2->sym->name) || (f1->sym->class != f2->sym->class)]], "symbol %s",
item->sym->name)')
m4_define(RTC, `FID_MEMBER(struct rtable_config *, rtc, [[strcmp(f1->rtc->name, f2->rtc->name)]], "route
table %s", item->rtc->name)')
m4_define(STATIC_ATTR, `FID_MEMBER(struct f_static_attr, sa, f1->sa.sa_code != f2->sa.sa_code,,)')
```

```
m4_define(DYNAMIC_ATTR, `FID_MEMBER(struct f_dynamic_attr, da, f1->da.ea_code != f2->da.ea_code,,)')
m4_define(ACCESS_RTE, `FID_HIC(,[[do { if (!fs->rte) runtime("No route to access"); } while
(0)]],NEVER_CONSTANT())')

# 2) Code wrapping
# The code produced in 1xx temporary diversions is a raw code without
# any auxiliary commands and syntactical structures around. When the
# instruction is done, INST_FLUSH is called. More precisely, it is called
# at the beginning of INST() call and at the end of file.
#
# INST_FLUSH picks all the temporary diversions, wraps their content
# into appropriate headers and structures and saves them into
 global
# diversions listed:
#
# 4 enum fi_code
# 5 enum fi_code to string
# 6 dump line item
# 7 dump line item callers
# 8 linearize
# 9 same (filter comparator)
# 1 union in struct f_inst
# 3 constructors + interpreter
#
# These global diversions contain blocks of code that can be directly
# put into the final file, yet it still can't be written out now as
# every instruction writes to all of these diversions.

# Code wrapping diversion names. Here we want an explicit newline
# after the C comment.
m4_define(FID_ZONE, `m4_divert($1) /* $2 for INST_NAME() */
')
m4_define(FID_INST, `FID_ZONE(1, Instruction structure for config)')
m4_define(FID_LINE, `FID_ZONE(2, Instruction structure for interpreter)')
m4_define(FID_NEW, `FID_ZONE(3, Constructor)')
m4_define(FID_ENUM, `FID_ZONE(4, Code enum)')
m4_define(FID_ENUM_STR, `FID_ZONE(5, Code enum to string)')
m4_define(FID_DUMP, `FID_ZONE(6, Dump line)')
m4_define(FID_DUMP_CALLER, `FID_ZONE(7, Dump line caller)')
m4_define(FID_LINEARIZE,
 `FID_ZONE(8, Linearize)')
m4_define(FID_SAME, `FID_ZONE(9, Comparison)')

# This macro does all the code wrapping. See inline comments.
m4_define(INST_FLUSH, `m4_ifdef([[INST_NAME]], [[
FID_ENUM()m4_dnl    Contents of enum fi_code { ... }
 INST_NAME(),
FID_ENUM_STR()m4_dnl    Contents of const char * indexed by enum fi_code
```

```
 [INST_NAME()] = "INST_NAME()",
FID_INST()m4_dnl    Anonymous structure inside struct f_inst
  struct {
m4_undivert(101)m4_dnl
  } i_[[]]INST_NAME();
FID_LINE()m4_dnl    Anonymous structure inside struct f_line_item
  struct {
m4_undivert(107)m4_dnl
  } i_[[]]INST_NAME();
FID_NEW()m4_dnl     Constructor and interpreter code together
FID_HIC(
[[m4_dnl     Public declaration of constructor in H file
struct f_inst *f_new_inst_]]INST_NAME()[[(enum f_instruction_code fi_code
m4_undivert(102)m4_dnl
);]],
[[m4_dnl     The one case in The Big Switch inside interpreter
 case INST_NAME():
 #define whati (&(what->i_]]INST_NAME()[[))
 m4_ifelse(m4_eval(INST_INVAL()
 > 0), 1, [[if (fstk->vcnt < INST_INVAL()) runtime("Stack underflow"); fstk->vcnt -= INST_INVAL(); ]])
 m4_undivert(108)m4_dnl
 #undef whati
 break;
]],
[[m4_dnl     Constructor itself
struct f_inst *f_new_inst_]]INST_NAME()[[(enum f_instruction_code fi_code
m4_undivert(102)m4_dnl
)
 {
  /* Allocate the structure */
  struct f_inst *what = fi_new(fi_code);
  FID_IFCONST([[uint constargs = 1;]])

  /* Initialize all the members */
 #define whati (&(what->i_]]INST_NAME()[[))
 m4_undivert(103)m4_dnl

  /* If not constant, return the instruction itself */
  FID_IFCONST([[if (!constargs)]])
    return what;

  /* Try to pre-calculate the result */
  FID_IFCONST([[m4_undivert(108)]])m4_dnl
 #undef whati
 }
]])

FID_DUMP_CALLER()m4_dnl    Case in another big switch used in instruction dumping (debug)
```

```
case INST_NAME(): f_dump_line_item_]]INST_NAME()[[(item, indent + 1); break;

FID_DUMP()m4_dnl    The dumper itself
m4_ifdef([[FID_DUMP_BODY_EXISTS]],
[[static inline void
 f_dump_line_item_]]INST_NAME()[[(const struct f_line_item *item_, const int indent)]],
[[static inline void f_dump_line_item_]]INST_NAME()[[(const struct f_line_item *item UNUSED, const int indent
UNUSED)]])
m4_undefine([[FID_DUMP_BODY_EXISTS]])
{
#define item (&(item_->i_]]INST_NAME()[])
m4_undivert(104)m4_dnl
#undef item
}

FID_LINEARIZE()m4_dnl    The linearizer
case INST_NAME(): {
#define whati (&(what->i_]]INST_NAME()[])
#define item (&(dest->items[pos].i_]]INST_NAME()[])
 m4_undivert(105)m4_dnl
#undef whati
#undef item
 dest->items[pos].fi_code = what->fi_code;
 dest->items[pos].lineno = what->lineno;
 break;
}

FID_SAME()m4_dnl    This code compares two f_line"s while reconfiguring
case INST_NAME():
#define f1 (&(f1_->i_]]INST_NAME()[])
#define f2 (&(f2_->i_]]INST_NAME()[])
m4_undivert(106)m4_dnl
#undef f1
#undef f2
break;

m4_divert(-1)FID_FLUSH(101,200)m4_dnl  And finally this flushes all the unused diversions
]])')

m4_define(INST, `m4_dnl    This macro is called
 on beginning of each instruction.
INST_FLUSH()m4_dnl    First, old data is flushed
m4_define([[INST_NAME]], [[$1]])m4_dnl  Then we store instruction name,
m4_define([[INST_INVAL]], [[$2]])m4_dnl  instruction input value count
m4_undefine([[INST_NEVER_CONSTANT]])m4_dnl and reset NEVER_CONSTANT trigger.
FID_INTERPRET_BODY()m4_dnl    By default, every code is interpreter code.
')
```

```
# 3) Final preparation
#
# Now we prepare all the code around the global diversions.
# It must be here, not in m4wrap, as we want M4 to mark the code
# by #line directives correctly, not to claim that every single line
# is at the beginning of the m4wrap directive.
#
# This part is split by the final file.
# H for inst-gen.h
# I for inst-interpret.c
# C for inst-gen.c
#
# So we in cycle:
#   A. open a diversion
#   B. send there some code
#   C. close that diversion
#   D. flush a global diversion
#   E. open another diversion and goto B.
#
# Final diversions
# 200+ completed text before it is flushed to output

# This
 is a list of output diversions
m4_define(FID_WR_PUT_LIST)

# This macro does the steps C to E, see before.
m4_define(FID_WR_PUT_ALSO,
`m4_define([[FID_WR_PUT_LIST]],FID_WR_PUT_LIST()[[FID_WR_DPUT(]]FID_WR_DIDX[[)FID_WR_DP
UT(]]$1[[)]])m4_define([[FID_WR_DIDX]],m4_eval(FID_WR_DIDX+1))m4_divert(FID_WR_DIDX)')

# These macros do the splitting between H/I/C
m4_define(FID_WR_DIRECT, `m4_ifelse(TARGET,[[$1]],[[FID_WR_INIT()]],[[FID_WR_STOP()]])')
m4_define(FID_WR_INIT,
`m4_define([[FID_WR_DIDX]],200)m4_define([[FID_WR_PUT]],[[FID_WR_PUT_ALSO($]][[@)]])m4_divert(2
00)')
m4_define(FID_WR_STOP, `m4_define([[FID_WR_PUT]])m4_divert(-1)')

# Here is the direct code to be put into the output files
# together with the undiversions, being hidden under FID_WR_PUT()

m4_changequote([[,]])
FID_WR_DIRECT(I)
FID_WR_PUT(3)
FID_WR_DIRECT(C)

#if defined(__GNUC__) && __GNUC__ >= 6
#pragma GCC diagnostic push
```

```
#pragma GCC diagnostic ignored "-Wmisleading-indentation"
#endif

#include "nest/bird.h"
#include
 "filter/filter.h"
#include "filter/f-inst.h"

/* Instruction codes to string */
static const char * const f_instruction_name_str[] = {
FID_WR_PUT(5)
};

const char *
f_instruction_name(enum f_instruction_code fi)
{
 if (fi < (sizeof(f_instruction_name_str) / sizeof(f_instruction_name_str[0])))
   return f_instruction_name_str[fi];
 else
   bug("Got unknown instruction code: %d", fi);
}

static inline struct f_inst *
fi_new(enum f_instruction_code fi_code)
{
 struct f_inst *what = cfg_allocz(sizeof(struct f_inst));
 what->lineno = ifs->lino;
 what->size = 1;
 what->fi_code = fi_code;
 return what;
}

static inline struct f_inst *
fi_constant(struct f_inst *what, struct f_val val)
{
 what->fi_code = FI_CONSTANT;
 what->i_FI_CONSTANT.val = val;
 return what;
}

#define v1 whati->f1->i_FI_CONSTANT.val
#define v2 whati->f2->i_FI_CONSTANT.val
#define v3 whati->f3->i_FI_CONSTANT.val
#define vv(i) items[i]->i_FI_CONSTANT.val
#define runtime(fmt, ...) cf_error("filter preevaluation,
 line %d: " fmt, ifs->lino, ##__VA_ARGS__)
#define fpool cfg_mem
#define falloc(size) cfg_alloc(size)
```

```
/* Instruction constructors */
FID_WR_PUT(3)
#undef v1
#undef v2
#undef v3
#undef vv

/* Line dumpers */
#define INDENT (((const char *) f_dump_line_indent_str) + sizeof(f_dump_line_indent_str) - (indent) - 1)
static const char f_dump_line_indent_str[] = "                                ";

FID_WR_PUT(6)

void f_dump_line(const struct f_line *dest, uint indent)
{
 if (!dest) {
   debug("%sNo filter line (NULL)\n", INDENT);
   return;
 }
 debug("%sFilter line %p (len=%u)\n", INDENT, dest, dest->len);
 for (uint i=0; i<dest->len; i++) {
   const struct f_line_item *item = &dest->items[i];
   debug("%sInstruction %s at line %u\n", INDENT, f_instruction_name(item->fi_code), item->lineno);
   switch (item->fi_code) {
FID_WR_PUT(7)
     default: bug("Unknown instruction %x in f_dump_line", item->fi_code);
   }
 }
 debug("%sFilter line %p dump done\n", INDENT, dest);
}

/* Linearize
 */
static uint
linearize(struct f_line *dest, const struct f_inst *what, uint pos)
{
 for ( ; what; what = what->next) {
   switch (what->fi_code) {
FID_WR_PUT(8)
   }
   pos++;
 }
 return pos;
}

struct f_line *
f_linearize_concat(const struct f_inst * const inst[], uint count)
{
```

```
 uint len = 0;
 for (uint i=0; i<count; i++)
   for (const struct f_inst *what = inst[i]; what; what = what->next)
     len += what->size;

 struct f_line *out = cfg_allocz(sizeof(struct f_line) + sizeof(struct f_line_item)*len);

 for (uint i=0; i<count; i++)
   out->len = linearize(out, inst[i], out->len);

#if DEBUGGING
 f_dump_line(out, 0);
#endif
 return out;
}

/* Filter line comparison */
int
f_same(const struct f_line *fl1, const struct f_line *fl2)
{
 if ((!fl1) && (!fl2))
   return 1;
 if ((!fl1) || (!fl2))
   return 0;
 if (fl1->len != fl2->len)
   return 0;
 for (uint i=0; i<fl1->len; i++) {
#define f1_ (&(fl1->items[i]))
#define f2_ (&(fl2->items[i]))
   if (f1_->fi_code
 != f2_->fi_code)
     return 0;
   if (f1_->flags != f2_->flags)
     return 0;

   switch(f1_->fi_code) {
FID_WR_PUT(9)
   }
 }
#undef f1_
#undef f2_
 return 1;
}

#if defined(__GNUC__) && __GNUC__ >= 6
#pragma GCC diagnostic pop
#endif
```

```
FID_WR_DIRECT(H)
/* Filter instruction codes */
enum f_instruction_code {
FID_WR_PUT(4)m4_dnl
} PACKED;

/* Filter instruction structure for config */
struct f_inst {
 struct f_inst *next;   /* Next instruction */
 enum f_instruction_code fi_code; /* Instruction code */
 int size;    /* How many instructions are underneath */
 int lineno;    /* Line number */
 union {
FID_WR_PUT(1)m4_dnl
 };
};

/* Filter line item */
struct f_line_item {
 enum f_instruction_code fi_code; /* What to do */
 enum f_instruction_flags flags; /* Flags, instruction-specific */
 uint lineno;    /* Where */
 union {
FID_WR_PUT(2)m4_dnl
 };
};

/* Instruction constructors */
FID_WR_PUT(3)
m4_divert(-1)

# 4) Shipout
#
# Everything is prepared in FID_WR_PUT_LIST
 now. Let's go!

m4_changequote(`,')

# Flusher auxiliary macro
m4_define(FID_FLUSH, `m4_ifelse($1,$2,,[[m4_undivert($1)FID_FLUSH(m4_eval($1+1),$2)]])')

# Defining the macro used in FID_WR_PUT_LIST
m4_define(FID_WR_DPUT, `m4_undivert($1)')

# After the code is read and parsed, we:
m4_m4wrap(`INST_FLUSH()m4_divert(0)FID_WR_PUT_LIST()m4_divert(-1)FID_FLUSH(1,200)')

m4_changequote([[,]])
```

```
# And now M4 is going to parse f-inst.c, fill the diversions
# and after the file is done, the content of m4_m4wrap (see before)
# is executed.
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/decl.m4
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Filter instructions
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2018--2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* Filter interpreter data structures and internal API.
* See filter/f-inst.c for documentation.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/f-inst.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Universal Heap Macros Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/heap_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Random Numbers
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/random.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Hash Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/hash_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Direct Device Routes
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/rt-dev.h
No license file was found, but licenses were detected in source scan.

```
/*
* Configuration for *BSD based systems (tested on FreeBSD and NetBSD)
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/cf/bsd.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF Configuration
*
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Linked Lists
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/lists.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/lists.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- MD5 Hash Function and HMAC-MD5 Function
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* The code was written by Colin Plumb in 1993, no copyright is claimed.
*
* Adapted for BIRD by Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/md5.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Linked Lists Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/lists_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Basic Declarations
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/bird.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Set/Community-list Operations Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/a-set_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: Instructions themselves
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
* Copyright 2018 Maria Matejka <mq@jmq.cz>
* Copyright 2018 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* The filter code goes through several phases:
*
* 1  Parsing
* Flex- and Bison-generated parser decodes the human-readable data into
* a struct f_inst tree. This is an infix tree that was interpreted by
* depth-first search execution in previous versions of the interpreter.
* All instructions have their constructor: f_new_inst(FI_EXAMPLE, ...)
* translates into f_new_inst_FI_EXAMPLE(...) and the types are checked in
* compile time. If the result of the instruction is always the same,
* it's reduced to FI_CONSTANT directly in constructor. This phase also
* counts how many instructions are underlying in means of f_line_item
* fields to know how much we have to allocate
 in the next phase.
*
* 2  Linearize before interpreting
* The infix tree is always interpreted in the same order. Therefore we
* sort the instructions one after another into struct f_line. Results
* and arguments of these instructions are implicitly put on a value
* stack; e.g. the + operation just takes two arguments from the value
* stack and puts the result on there.
*
* 3  Interpret
```

```
* The given line is put on a custom execution stack. If needed (FI_CALL,
* FI_SWITCH, FI_AND, FI_OR, FI_CONDITION, ...), another line is put on top
* of the stack; when that line finishes, the execution continues on the
* older lines on the stack where it stopped before.
*
* 4  Same
* On config reload, the filters have to be compared whether channel
* reload is needed or not. The comparison is done by comparing the
* struct f_line's recursively.
*
* The main purpose of this rework was to improve filter performance
* by making the interpreter non-recursive.
*
* The other outcome is
 concentration of instruction definitions to
* one place -- right here. You shall define your instruction only here
* and nowhere else.
*
* Beware. This file is interpreted by M4 macros. These macros
* may be more stupid than you could imagine. If something strange
* happens after changing this file, compare the results before and
* after your change (see the Makefile to find out where the results are)
* and see what really happened.
*
* This file is not directly a C source code -> it is a generator input
* for several C sources; every instruction block gets expanded into many
* different places.
*
* All the arguments are processed literally; if you need an argument including comma,
* you have to quote it by [[ ... ]]
*
* What is the syntax here?
* m4_dnl INST(FI_NOP, in, out) {    enum value, input args, output args
* m4_dnl   ARG(num, type);   argument, its id (in data fields) and type accessible by v1, v2, v3
* m4_dnl   ARG_ANY(num);    argument with no type check
 accessible by v1, v2, v3
* m4_dnl   VARARG;    variable-length argument list; accessible by vv(i) and whati->varcount
* m4_dnl   LINE(num, unused);   this argument has to be converted to its own f_line
* m4_dnl   SYMBOL;    symbol handed from config
* m4_dnl   STATIC_ATTR;    static attribute definition
* m4_dnl   DYNAMIC_ATTR;    dynamic attribute definition
* m4_dnl   RTC;     route table config
* m4_dnl   ACCESS_RTE;    this instruction needs route
* m4_dnl   ACCESS_EATTRS;   this instruction needs extended attributes
*
* m4_dnl   FID_MEMBER(    custom instruction member
* m4_dnl     C type,    for storage in structs
* m4_dnl     name,    how the member is named
```

```
* m4_dnl     comparator for same(),  if different, this should be TRUE (CAVEAT)
* m4_dnl     dump format string   debug -> format string for bvsnprintf
* m4_dnl     dump format args   appropriate args
* m4_dnl   )
*
* m4_dnl   RESULT(type, union-field, value); putting this on value stack
* m4_dnl   RESULT_VAL(value-struct);  pass
 the struct f_val directly
* m4_dnl   RESULT_VOID;    return undef
* m4_dnl }
*
* Also note that the { ... } blocks are not respected by M4 at all.
* If you get weird unmatched-brace-pair errors, check what it generated and why.
* What is really considered as one instruction is not the { ... } block
* after m4_dnl INST() but all the code between them.
*
* Other code is just copied into the interpreter part.
*
* If you are satisfied with this, you don't need to read the following
* detailed description of what is really done with the instruction definitions.
*
* m4_dnl Now let's look under the cover. The code between each INST()
* m4_dnl is copied to several places, namely these (numbered by the M4 diversions
* m4_dnl used in filter/decl.m4):
*
* m4_dnl (102) struct f_inst *f_new_inst(FI_EXAMPLE [[ put it here ]])
* m4_dnl  {
* m4_dnl    ... (common code)
* m4_dnl (103)   [[ put it here ]]
* m4_dnl    ...
* m4_dnl    if (all arguments are
 constant)
* m4_dnl (108)     [[ put it here ]]
* m4_dnl  }
* m4_dnl For writing directly to constructor argument list, use FID_NEW_ARGS.
* m4_dnl For computing something in constructor (103), use FID_NEW_BODY.
* m4_dnl For constant pre-interpretation (108), see below at FID_INTERPRET_BODY.
*
* m4_dnl  struct f_inst {
* m4_dnl    ... (common fields)
* m4_dnl    union {
* m4_dnl      struct {
* m4_dnl (101)       [[ put it here ]]
* m4_dnl      } i_FI_EXAMPLE;
* m4_dnl      ...
* m4_dnl    };
* m4_dnl  };
* m4_dnl This structure is returned from constructor.
```

* m4_dnl For writing directly to this structure, use FID_STRUCT_IN.
*
* m4_dnl linearize(struct f_line *dest, const struct f_inst *what, uint pos) {
* m4_dnl   ...
* m4_dnl   switch (what->fi_code) {
* m4_dnl   case FI_EXAMPLE:
* m4_dnl (105) [[put it here]]
* m4_dnl   break;
* m4_dnl   }
* m4_dnl }
* m4_dnl This is called when translating from struct f_inst to struct f_line_item.
* m4_dnl For
 accessing your custom instruction data, use following macros:
* m4_dnl   whati -> for accessing (struct f_inst).i_FI_EXAMPLE
* m4_dnl   item -> for accessing (struct f_line)[pos].i_FI_EXAMPLE
* m4_dnl For writing directly here, use FID_LINEARIZE_BODY.
*
* m4_dnl (107) struct f_line_item {
* m4_dnl   ... (common fields)
* m4_dnl   union {
* m4_dnl   struct {
* m4_dnl (101)   [[put it here]]
* m4_dnl   } i_FI_EXAMPLE;
* m4_dnl   ...
* m4_dnl   };
* m4_dnl };
* m4_dnl The same as FID_STRUCT_IN (101) but for the other structure.
* m4_dnl This structure is returned from the linearizer (105).
* m4_dnl For writing directly to this structure, use FID_LINE_IN.
*
* m4_dnl f_dump_line_item_FI_EXAMPLE(const struct f_line_item *item, const int indent)
* m4_dnl {
* m4_dnl (104)   [[put it here]]
* m4_dnl }
* m4_dnl This code dumps the instruction on debug. Note that the argument
* m4_dnl is the linearized instruction; if the instruction has arguments,
 * m4_dnl their code has already been linearized and their value is taken
* m4_dnl from the value stack.
* m4_dnl For writing directly here, use FID_DUMP_BODY.
*
* m4_dnl f_same(...)
* m4_dnl {
* m4_dnl   switch (f1_->fi_code) {
* m4_dnl   case FI_EXAMPLE:
* m4_dnl (106)   [[put it here]]
* m4_dnl   break;
* m4_dnl   }
* m4_dnl }

```
* m4_dnl This code compares the two given instrucions (f1_ and f2_)
* m4_dnl on reconfigure. For accessing your custom instruction data,
* m4_dnl use macros f1 and f2.
* m4_dnl For writing directly here, use FID_SAME_BODY.
*
* m4_dnl  interpret(...)
* m4_dnl  {
* m4_dnl    switch (what->fi_code) {
* m4_dnl      case FI_EXAMPLE:
* m4_dnl (108)       [[ put it here ]]
* m4_dnl        break;
* m4_dnl    }
* m4_dnl  }
* m4_dnl This code executes the instruction. Every pre-defined macro
* m4_dnl resets the output here. For setting it explicitly,
* m4_dnl use FID_INTERPRET_BODY.
* m4_dnl This code is put on two
 places; one is the interpreter, the other
* m4_dnl is instruction constructor. If you need to distinguish between
* m4_dnl these two, use FID_INTERPRET_EXEC or FID_INTERPRET_NEW respectively.
* m4_dnl To address the difference between interpreter and constructor
* m4_dnl environments, there are several convenience macros defined:
* m4_dnl   runtime() -> for spitting out runtime error like division by zero
* m4_dnl   RESULT(...) -> declare result; may overwrite arguments
* m4_dnl   v1, v2, v3 -> positional arguments, may be overwritten by RESULT()
* m4_dnl   falloc(size) -> allocate memory from the appropriate linpool
* m4_dnl   fpool  -> the current linpool
* m4_dnl   NEVER_CONSTANT-> don't generate pre-interpretation code at all
* m4_dnl   ACCESS_RTE -> check that route is available, also NEVER_CONSTANT
* m4_dnl   ACCESS_EATTRS -> pre-cache the eattrs; use only with ACCESS_RTE
* m4_dnl   f_rta_cow(fs) -> function to call before any change to route should be done
*
* m4_dnl If
 you are stymied, see FI_CALL or FI_CONSTANT or just search for
* m4_dnl the mentioned macros in this file to see what is happening there in wild.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/f-inst.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- SHA-256 and SHA-224 Hash Functions
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Based on the code from libgcrypt-1.6.0, which is
* (c) 2003, 2006, 2008, 2009 Free Software Foundation, Inc.
```

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/sha256.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/sha256.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- RAdv Packet Processing
*
* (c) 2011--2019 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2011--2019 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/radv/packets.c
No license file was found, but licenses were detected in source scan.

/*
*	BIRD -- OSPF
*
*	(c) 2000--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
*	Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/rt.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Static Route Generator
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/static/static.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/static/static.h

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF Topological Database
*
* (c) 1999      Martin Mares <mj@ucw.cz>
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/topology.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- SHA-1 Hash Function (FIPS 180-1, RFC 3174)
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Based on the code from libucw-6.4
* (c) 2008--2009 Martin Mares <mj@ucw.cz>
*
* Based on the code from libgcrypt-1.2.3, which is
* (c) 1998, 2001, 2002, 2003 Free Software Foundation, Inc.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/sha1.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/sha1.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Table-to-Table Routing Protocol a.k.a Pipe
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/pipe/pipe.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/perf/perf.c

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- I/O and event loop
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bfd/io.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bfd/io.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Flow specification (RFC 5575) Tests
*
* (c) 2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/flowspec_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Configuration
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Babel protocol
*
* Copyright (c) 2015--2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* This file contains the packet and TLV handling code for the protocol.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/babel/packets.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- ID Map
*
* (c) 2013--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/idm.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/idm.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Generic Hash Table
*
* (c) 2013 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/hash.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Routing Table
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/route.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- The Resource Public Key Infrastructure (RPKI) to Router Protocol
*
* (c) 2015 CZ.NIC

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/config.Y
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Configuration Lexer
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/cf-lex.l
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Route Display Routines
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
* (c) 2017   Jan Moskyto Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/rt-show.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- An implementation of the TCP protocol for the RPKI protocol transport
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* This file was a part of RTRlib: http://rpki.realmv6.org/
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/tcp_transport.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Timers
*
* (c) 2013--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/timer.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/timer.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- IP One-Complement Checksum
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/checksum.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Kernel Syncer Configuration
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/krt.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Configuration File Handling
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/conf.c

* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/conf.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Path Operations
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2000 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/a-path.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Alloca.h
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/alloca.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Babel protocol
*
* Copyright (c) 2015--2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* This file contains the data structures used by Babel.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/babel/babel.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Resource Public Key Infrastructure (RPKI) to Router Protocol
*
* (c) 2015 CZ.NIC
```

* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* This file was a part of RTRlib: http://rpki.realmv6.org/
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/transport.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/transport.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/packets.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/packets.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Client
*
* (c) 1999--2004 Martin Mares <mj@ucw.cz>
* (c) 2013 Tomas Hlavacek <tmshlvck@gmail.com>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/client.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- Attribute Operations
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/attrs.h
No license file was found, but licenses were detected in source scan.

/*
* Filters: Trie for prefix sets
*
* Copyright 2009 Ondrej Zajicek <santiago@crfreenet.org>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):

* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/trie.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/client.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Neighbor Cache
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2018 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2018 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/neighbor.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Router Advertisement Configuration
*
* (c) 2011--2019 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2011--2019 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/radv/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Table-to-Table Protocol Configuration
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

```
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/pipe/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF
*
* (c) 1999--2005 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/iface.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/packet.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/ospf.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Macro Tricks
*
* (c) 2018 Jan Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* Contains useful but dirty macro tricks:
*  MACRO_CONCAT(a, b) -> concatenates a##b
*  MACRO_BOOL(x)  -> convert 0 to 0, anything else to 1
*  MACRO_IFELSE(b)(true-branch)(false-branch)
*     -> b shall be 0 or 1; expands to the appropriate branch
*  MACRO_ISEMPTY(...) -> 1 for empty argument list, 0 otherwise
*  MACRO_FOREACH(func, ...)
*     -> calling FOREACH(func, a, b, c, d) expands to
*      func(a) func(b) func(c) func(d)
*  MACRO_RPACK(func, terminator, ...)
*     -> packs the list into recursive calls:
*      func(func(func(func(terminator, a), b), c), d)
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/macro.h
No license file was found, but licenses were detected in source scan.

```
/*
```

```
* BIRD -- Direct Device Routes
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/rt-dev.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BGP Attributes
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bgp/attrs.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Protocols
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/proto.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- IP address functions
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/ip.c

No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Object Locks
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/locks.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/locks.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- malloc() With Checking
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/xmalloc.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- CLI Commands Which Don't Fit Anywhere Else
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/cmds.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/cmds.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client -- Command Handling
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/commands.c
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: Utility Functions Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/tree_test.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/trie_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Routing Information Protocol (RIP)
*
* (c) 1998--1999 Pavel Machek <pavel@ucw.cz>
* (c) 2004--2013 Ondrej Filip <feela@network.cz>
* (c) 2009--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rip/rip.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rip/rip.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rip/packets.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Fletcher-16 Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/fletcher16_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client - Light variant I/O
```

```
*
* (c) 1999--2004 Martin Mares <mj@ucw.cz>
*      (c) 2013 Tomas Hlavacek <tomas.hlavacek@nic.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/birdcl.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Kernel Synchronization
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/krt.c
No license file was found, but licenses were detected in source scan.

```
## Copyright (c) 1998 Michael Zucchi, All Rights Reserved        ##
## This software falls under the GNU Public License. Please read ##
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/doc/kernel-doc
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Linux Netlink Configuration
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

CF_HDR

CF_DECLS

CF_KEYWORDS(KERNEL, TABLE, METRIC, KRT_PREFSRC, KRT_REALM, KRT_SCOPE, KRT_MTU,
KRT_WINDOW,
    KRT_RTT, KRT_RTTVAR, KRT_SSTRESH, KRT_CWND, KRT_ADVMSS, KRT_REORDERING,
    KRT_HOPLIMIT, KRT_INITCWND, KRT_RTO_MIN, KRT_INITRWND, KRT_QUICKACK,
    KRT_LOCK_MTU, KRT_LOCK_WINDOW, KRT_LOCK_RTT, KRT_LOCK_RTTVAR,
    KRT_LOCK_SSTRESH, KRT_LOCK_CWND, KRT_LOCK_ADVMSS, KRT_LOCK_REORDERING,
```

```
    KRT_LOCK_HOPLIMIT, KRT_LOCK_RTO_MIN, KRT_FEATURE_ECN, KRT_FEATURE_ALLFRAG)

CF_GRAMMAR

kern_proto: kern_proto kern_sys_item ';' ;

kern_sys_item:
  KERNEL TABLE expr { THIS_KRT->sys.table_id = $3; }
| METRIC expr { THIS_KRT->sys.metric = $2; }
;

dynamic_attr: KRT_PREFSRC { $$ = f_new_dynamic_attr(EAF_TYPE_IP_ADDRESS, T_IP,
EA_KRT_PREFSRC); } ;
dynamic_attr:
 KRT_REALM { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_REALM); } ;
dynamic_attr: KRT_SCOPE { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_SCOPE); } ;

dynamic_attr: KRT_MTU  { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_MTU); } ;
dynamic_attr: KRT_WINDOW { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_WINDOW); } ;
dynamic_attr: KRT_RTT  { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_RTT); } ;
dynamic_attr: KRT_RTTVAR { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_RTTVAR); } ;
dynamic_attr: KRT_SSTRESH { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_SSTRESH); } ;
dynamic_attr: KRT_CWND  { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_CWND); } ;
dynamic_attr: KRT_ADVMSS { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_ADVMSS); } ;
dynamic_attr: KRT_REORDERING { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT,
EA_KRT_REORDERING); } ;
dynamic_attr: KRT_HOPLIMIT { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_HOPLIMIT);
 } ;
dynamic_attr: KRT_INITCWND { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_INITCWND); }
;
dynamic_attr: KRT_RTO_MIN { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_RTO_MIN); } ;
dynamic_attr: KRT_INITRWND { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_INITRWND); }
;
dynamic_attr: KRT_QUICKACK { $$ = f_new_dynamic_attr(EAF_TYPE_INT, T_INT, EA_KRT_QUICKACK); }
;

/* Bits of EA_KRT_LOCK, based on RTAX_* constants */

dynamic_attr: KRT_LOCK_MTU { $$ = f_new_dynamic_attr_bit(2, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_WINDOW { $$ = f_new_dynamic_attr_bit(3, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_RTT { $$ = f_new_dynamic_attr_bit(4, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_RTTVAR { $$ = f_new_dynamic_attr_bit(5, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_SSTRESH { $$ = f_new_dynamic_attr_bit(6, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_CWND { $$ = f_new_dynamic_attr_bit(7, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_ADVMSS {
 $$ = f_new_dynamic_attr_bit(8, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_REORDERING { $$ = f_new_dynamic_attr_bit(9, T_BOOL, EA_KRT_LOCK); } ;
dynamic_attr: KRT_LOCK_HOPLIMIT { $$ = f_new_dynamic_attr_bit(10, T_BOOL, EA_KRT_LOCK); } ;
```

dynamic_attr: KRT_LOCK_RTO_MIN { $$ = f_new_dynamic_attr_bit(13, T_BOOL, EA_KRT_LOCK); } ;

dynamic_attr: KRT_FEATURE_ECN { $$ = f_new_dynamic_attr_bit(0, T_BOOL, EA_KRT_FEATURES); } ;
dynamic_attr: KRT_FEATURE_ALLFRAG { $$ = f_new_dynamic_attr(3, T_BOOL, EA_KRT_FEATURES); } ;

CF_CODE

CF_END

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/linux/netlink.Y
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- IP One-Complement Checksum Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/checksum_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- MD5 Hash Function and HMAC-MD5 Function
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Adapted for BIRD by Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/md5.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Benchmarking Dummy Protocol
*
* (c) 2018 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/perf/perf.h
No license file was found, but licenses were detected in source scan.

```
m4_divert(-1)m4_dnl
#
# BIRD -- Generator of Configuration Keyword List
#
# (c) 1998--2000 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

# Common aliases
m4_define(DNL, `m4_dnl')

# Diversions used:
# 1 keywords

# Simple iterator
m4_define(CF_itera, `m4_ifelse($#, 1, [[CF_iter($1)]], [[CF_iter($1)[[]]CF_itera(m4_shift($@))]])')
m4_define(CF_iterate, `m4_define([[CF_iter]], m4_defn([[$1]]))CF_itera($2)')

# We include all the headers
m4_define(CF_HDR, `m4_divert(0)')
m4_define(CF_DECLS, `m4_divert(-1)')
m4_define(CF_DEFINES, `m4_divert(-1)')

# Keywords are translated to C initializers
m4_define(CF_handle_kw, `m4_divert(1){ "m4_translit($1,[[A-Z]],[[a-z]])", $1, NULL },
m4_divert(-1)')
m4_define(CF_keywd, `m4_ifdef([[CF_tok_$1]],,[[m4_define([[CF_tok_$1]],1)CF_handle_kw($1)]])')
m4_define(CF_KEYWORDS, `m4_define([[CF_toks]],[[]])CF_iterate([[CF_keywd]],
 [[$@]])m4_ifelse(CF_toks,,,%token[[]]CF_toks
)DNL')

# CLI commands generate keywords as well
m4_define(CF_CLI, `CF_KEYWORDS(m4_translit($1, [[ ]], [[,]]))
')

# Enums are translated to C initializers: use CF_ENUM(typename, prefix, values)
m4_define(CF_enum, `m4_divert(1){ "CF_enum_prefix[[]]$1", -((CF_enum_type<<16) | CF_enum_prefix[[]]$1),
NULL },
m4_divert(-1)')
m4_define(CF_ENUM,
`m4_define([[CF_enum_type]],$1)m4_define([[CF_enum_prefix]],$2)CF_iterate([[CF_enum]],
[[m4_shift(m4_shift($@))]])DNL')
```

```
# After all configuration templates end, we generate the
m4_m4wrap(`
m4_divert(0)
static struct keyword keyword_list[] = {
m4_undivert(1){ NULL, -1, NULL } };
')

# As we are processing C source, we must access all M4 primitives via
# m4_* and also set different quoting convention: `[[' and ']]'
m4_changequote([[,]])
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/gen_keywords.m4
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BGP Packet Processing
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2008--2016 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2008--2016 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/bgp/packets.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- IP One-Complement Checksum
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/checksum.h
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: utility functions
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
*    2017 Jan Maria Matejka <mq@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
```

```
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/f-util.c
No license file was found, but licenses were detected in source scan.

```
/*
* Unaligned Data Accesses -- Generic Version, Network Order
*
* (c) 2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/unaligned.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF
*
* (c) 2000--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/lsreq.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/rt.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/lsack.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/lsupd.c
No license file was found, but licenses were detected in source scan.

```
m4_divert(-1)m4_dnl
#
# BIRD -- Generator of CLI Command List
#
# (c) 2000 Martin Mares <mj@atrey.karlin.mff.cuni.cz>
#
# Can be freely distributed and used under the terms of the GNU GPL.
#

m4_define(CF_CLI, `m4_divert(0){ "m4_translit($1,A-Z,a-z)", "$3", "$4", 1 },
m4_divert(-1)')

m4_define(CF_CLI_CMD, `m4_divert(0){ "m4_translit($1,A-Z,a-z)", "$2", "$3", 1 },
```

m4_divert(-1)')

m4_define(CF_CLI_HELP, `m4_divert(0){ "m4_translit($1,A-Z,a-z)", "$2", "$3", 0 },
m4_divert(-1)')

# As we are processing C source, we must access all M4 primitives via
# m4_* and also set different quoting convention: `[[' and ']]'
m4_changequote([[,]])

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/conf/gen_commands.m4
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Generic Bit Operations
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/bitops.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/bitops.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Library -- Safe Linked Lists Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/slist_test.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- An implementation of the SSH protocol for the RPKI transport
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* This file was a part of RTRlib: http://rpki.realmv6.org/
* This transport implementation uses libssh (http://www.libssh.org/)
*
* Can be freely distributed and used under the terms of the GNU GPL.

```
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/ssh_transport.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- The Babel protocol
*
* Copyright (c) 2015--2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
* This file contains the main routines for handling and sending TLVs, as
* well as timers and interaction with the nest.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/babel/babel.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Linux Kernel Netlink Route Syncer
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/linux/krt-sys.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Socket Interface
*
* (c) 1998--2004 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/socket.h
No license file was found, but licenses were detected in source scan.

```
/*
```

```
* BIRD Library
*
* (c) 1998--2004 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/birdlib.h
No license file was found, but licenses were detected in source scan.

```
%Color profile: _DEFAULT.CCM - Generic CMYK
%%BeginResource: procset wCorel6Dict 6.0 0
% Copyright (c)1992-96 Corel Corporation
% All rights reserved.     v6.0 r1.1
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/doc/slides/obr2.eps
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- UNIX Kernel Route Syncer
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/krt.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Path Operations Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/a-path_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Routing Tables
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
```

*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/rt-table.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Route Attribute Cache
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/rt-attr.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD Internet Routing Daemon -- BSD Multicasting and Network Includes
*
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/bsd/sysio.h
No license file was found, but licenses were detected in source scan.

/*
* BIRD Resource Manager -- A SLAB-like Memory Allocator
*
* Heavily inspired by the original SLAB paper by Jeff Bonwick.
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/slab.c
No license file was found, but licenses were detected in source scan.

/*
* BIRD -- Static Protocol Configuration

```
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/static/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Generic Buffer Structure
*
* (c) 2013 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2013 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/buffer.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Resource Manager -- Memory Pools
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/mempool.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Unit Test Framework (BIRD Test)
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/test/birdtest.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/test/birdtest.c
No license file was found, but licenses were detected in source scan.

```
/*
* Filters: utility functions
```

```
*
* (c) 1998 Pavel Machek <pavel@ucw.cz>
* (c) 2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/data.c
No license file was found, but licenses were detected in source scan.

```
/*
* Configuration for Linux based systems
*
* (c) 1998--1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/cf/linux.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- OSPF
*
* (c) 1999--2004 Ondrej Filip <feela@network.cz>
* (c) 2009--2015 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/lsalib.c
No license file was found, but licenses were detected in source scan.

```
%Color profile: Disabled
%%BeginResource: procset wCorel6Dict 6.0 0
% Copyright (c)1992-96 Corel Corporation
% All rights reserved.     v6.0 r1.1
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/doc/slides/obr1.eps
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/doc/slides/obr5.eps
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Generic Bit Operations Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/bitops_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Password handling
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2004 Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/password.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/password.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- BSD Kernel Syncer Configuration
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/

CF_HDR

CF_DECLS

CF_KEYWORDS(KERNEL, TABLE)

CF_GRAMMAR

kern_proto: kern_proto kern_sys_item ';' ;

kern_sys_item:
  KERNEL TABLE expr {
 if ($3 && (krt_max_tables == 1))
   cf_error("Multiple kernel routing tables not supported");
```

```
 if ($3 >= krt_max_tables)
   cf_error("Kernel table id must be in range 0-%u", krt_max_tables - 1);

 THIS_KRT->sys.table_id = $3;
  }
;

CF_CODE

CF_END
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/bsd/krt-sock.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Multi-Threaded Routing Toolkit (MRT) Protocol
*
* (c) 2017--2018 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2017--2018 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/mrt/config.Y
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/mrt/mrt.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/mrt/mrt.c
No license file was found, but licenses were detected in source scan.

```
BIRD Internet Routing Daemon

                Home page  http://bird.network.cz/
              Mailing list  bird-users@network.cz

            (c) 1998--2008  Martin Mares <mj@ucw.cz>
            (c) 1998--2000  Pavel Machek <pavel@ucw.cz>
            (c) 1998--2008  Ondrej Filip <feela@network.cz>
            (c) 2009--2019  CZ.NIC z.s.p.o.

==============================================================================

The BIRD project aims to develop a dynamic IP routing daemon with full support
of all modern routing protocols, easy to use configuration interface and
powerful route filtering language, primarily targeted on (but not limited to)
Linux and other UNIX-like systems and distributed under the GNU General
Public License.
```

What do we support
==================

- Both IPv4 and IPv6
- Multiple routing tables
- Border Gateway Protocol (BGPv4)
- Routing Information Protocol
(RIPv2, RIPng)
- Open Shortest Path First protocol (OSPFv2, OSPFv3)
- Babel Routing Protocol (Babel)
- Bidirectional Forwarding Detection (BFD)
- IPv6 router advertisements
- Static routes
- Inter-table protocol
- Command-line interface allowing on-line control and inspection of
  status of the daemon
- Soft reconfiguration, no need to use complex online commands to
  change the configuration, just edit the configuration file and notify
  BIRD to re-read it and it will smoothly switch itself to the new
  configuration, not disturbing routing protocols unless they are
  affected by the configuration changes
- Powerful language for route filtering, see doc/bird.conf.example
- Linux, FreeBSD, NetBSD and OpenBSD ports

How to install BIRD
===================

- From standard distribution package of your OS (recommended)
- From official binary packages for Debian and Red Hat Linux
  ftp://bird.network.cz/pub/bird/debian/
  ftp://bird.network.cz/pub/bird/redhat/
- From source code of the latest stable release version
  ftp://bird.network.cz/pub/bird/
- From current development code in Git repository
  https://gitlab.labs.nic.cz/labs/bird/

See the file INSTALL for information about installation from source code.

Documentation
=============

Online documentation is available at http://bird.network.cz/?get_doc or as HTML
files in the doc directory, you can install it by `make install-docs' and
rebuild it by `make docs', but you'll need SGMLtools and LaTeX to be installed
on your machine. You can also download a neatly formatted PDF version as
a separate archive (bird-doc-*.tar.gz) from ftp://bird.network.cz/pub/bird/

User support
============

If you want to help us debugging, enhancing and porting BIRD or just lurk
around to see what's going to develop, feel free to subscribe to the BIRD
users mailing list bird-users@network.cz, just send `subscribe' to
bird-request@network.cz. Bug reports, suggestions, feature requests and
code
 are welcome! We don't use gitlab issues for reporting, sorry.

Subscribe: http://bird.network.cz/mailman/listinfo/bird-users/
Archive: http://bird.network.cz/pipermail/bird-users/

Licence
=======

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 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

History
=======

BIRD development started as a student project at the Faculty of Math
and Physics, Charles University, Prague,
 Czech Republic under supervision
of RNDr. Libor Forst <forst@cuni.cz>. BIRD has been developed and supported
by CZ.NIC z.s.p.o. http://www.nic.cz/ since 2009.

Good Luck and enjoy the BIRD :)
     The BIRD Team

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/README
No license file was found, but licenses were detected in source scan.

/*

```
* BIRD -- Babel Configuration
*
* Copyright (c) 2015-2016 Toke Hoiland-Jorgensen
*  (c) 2016--2017 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2016--2017 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/babel/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- String Functions
*
* (c) 1998 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/string.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Event Processing
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/event.c
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/event.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Internet Routing Daemon -- Filters
*
* (c) 1999 Pavel Machek <pavel@ucw.cz>
* (c) 2018--2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):

* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/filter.h
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- String Functions Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/printf_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Set/Community-list Operations
*
* (c) 2000 Martin Mares <mj@ucw.cz>
* (c) 2000 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/nest/a-set.c
No license file was found, but licenses were detected in source scan.

```
/*
*	BIRD -- OSPF
*
*	(c) 1999--2000 Ondrej Filip <feela@network.cz>
* (c) 2009--2014 Ondrej Zajicek <santiago@crfreenet.org>
* (c) 2009--2014 CZ.NIC z.s.p.o.
*
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*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/ospf/lsalib.h
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```
/*
* BIRD Library -- Event Processing Tests
*
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*
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```

```
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/event_test.c
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```
/*
* BIRD -- The Resource Public Key Infrastructure (RPKI) to Router Protocol
*
* (c) 2015 CZ.NIC
* (c) 2015 Pavel Tvrdik <pawel.tvrdik@gmail.com>
*
* Using RTRlib: http://rpki.realmv6.org/
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/rpki.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/rpki/rpki.c
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```
/*
* BIRD -- Core Configuration
*
* (c) 1998--2000 Martin Mares <mj@ucw.cz>
*      (c) 2004       Ondrej Filip <feela@network.cz>
*
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*/
```

Found in path(s):
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```
/*
* BIRD Library -- Parse numbers
*
* (c) 2019 Maria Matejka <mq@jmq.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
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```
/*
```

```
* BIRD Internet Routing Daemon -- Unix I/O
*
* (c) 1998--2004 Martin Mares <mj@ucw.cz>
*      (c) 2004       Ondrej Filip <feela@network.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/sysdep/unix/io.c
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```
/*
* Filters: utility functions
*
* Copyright 1998 Pavel Machek <pavel@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/tree.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Client -- Utility Functions
*
* (c) 1999--2000 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/client/util.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- SHA-512 and SHA-384 Hash Functions
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Based on the code from libgcrypt-1.6.0, which is
* (c) 2003, 2006, 2008, 2009 Free Software Foundation, Inc.
*
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*/
```

Found in path(s):

* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/sha512.h
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/sha512.c
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```
/*
* BIRD - filters
*
* Copyright 1998--2000 Pavel Machek
*
* Can be freely distributed and used under the terms of the GNU GPL.
*
 FIXME: priority of ! should be lower
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/filter/config.Y
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD Library -- Pattern Matching Tests
*
* (c) 2015 CZ.NIC z.s.p.o.
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/lib/patmatch_test.c
No license file was found, but licenses were detected in source scan.

```
/*
* BIRD -- Table-to-Table Routing Protocol a.k.a Pipe
*
* (c) 1999 Martin Mares <mj@ucw.cz>
*
* Can be freely distributed and used under the terms of the GNU GPL.
*/
```

Found in path(s):
* /deepfield-bird2-v2-0-7-0-gb000a94-tar-gz/deepfield-bird2-3d61677/proto/pipe/pipe.h

1.133 pam-script 1.1.6

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1.134 openl2tp 1.8

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1.135 protobuf-c 1.3.3

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1.136 dnscrypt-proxy 1.9.4

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1.137 libidn 2.3.0

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****

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1.141 lua-json 0.1.2

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1.142 pam-ldap 186

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to use the modified definitions.)

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c) If distribution of the work is made by offering access to copy
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1.145 terminal-receiver 1.8.4

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1.148 libnettle6 3.7.3

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1.149 shadow-securetty 4.6

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1.150 libgudev 232

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1.151 pam 1.5.1

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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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1.154 cpp-redis 4.3.1

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1.155 onig 6.9.4

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1.156 tacopie 3.2.0

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1.158 libnl3 3.5.0

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a) Accompany
the work with the complete corresponding
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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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1.167 yaml-cpp 0.7.0

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1.169 lua-cjson 2.1.0

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1.171 snort 2.9.15.1

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*
*/

/** @ingroup packetapi
*  @{
*/

/** @defgroup packet32h Packet.dll definitions and data structures
*  Packet32.h contains the data structures and the definitions used by packet.dll.
*  The file is used both by the Win9x and the WinNTx versions of packet.dll, and can be included
*  by the applications
 that use the functions of this library
*  @{
*/

#ifndef __PACKET32
#define __PACKET32

#include <winsock2.h>

#ifdef HAVE_AIRPCAP_API
#include <airpcap.h>
#else
#if !defined(AIRPCAP_HANDLE__EAE405F5_0171_9592_B3C2_C19EC426AD34__DEFINED_)
#define AIRPCAP_HANDLE__EAE405F5_0171_9592_B3C2_C19EC426AD34__DEFINED_
typedef struct _AirpcapHandle *PAirpcapHandle;
#endif /* AIRPCAP_HANDLE__EAE405F5_0171_9592_B3C2_C19EC426AD34__DEFINED_ */
#endif /* HAVE_AIRPCAP_API */

#ifdef HAVE_DAG_API
#include <dagc.h>
#endif /* HAVE_DAG_API */

// Working modes
#define PACKET_MODE_CAPT 0x0 ///< Capture mode
#define PACKET_MODE_STAT 0x1 ///< Statistical mode
#define PACKET_MODE_MON 0x2 ///< Monitoring mode
#define PACKET_MODE_DUMP 0x10 ///< Dump mode
```

```
#define PACKET_MODE_STAT_DUMP MODE_DUMP | MODE_STAT ///< Statistical dump Mode


/// Alignment macro. Defines the alignment size.
#define Packet_ALIGNMENT sizeof(int)
/// Alignment macro. Rounds up to the next even multiple of Packet_ALIGNMENT.
#define
 Packet_WORDALIGN(x) (((x)+(Packet_ALIGNMENT-1))&~(Packet_ALIGNMENT-1))

#define NdisMediumNull -1  ///< Custom linktype: NDIS doesn't provide an equivalent
#define NdisMediumCHDLC -2  ///< Custom linktype: NDIS doesn't provide an equivalent
#define NdisMediumPPPSerial -3 ///< Custom linktype: NDIS doesn't provide an equivalent
#define NdisMediumBare80211 -4 ///< Custom linktype: NDIS doesn't provide an equivalent
#define NdisMediumRadio80211 -5 ///< Custom linktype: NDIS doesn't provide an equivalent
#define NdisMediumPpi  -6 ///< Custom linktype: NDIS doesn't provide an equivalent

// Loopback behaviour definitions
#define NPF_DISABLE_LOOPBACK 1 ///< Drop the packets sent by the NPF driver
#define NPF_ENABLE_LOOPBACK  2 ///< Capture the packets sent by the NPF driver

/*!
 \brief Network type structure.

 This structure is used by the PacketGetNetType() function to return information on the current adapter's type and
speed.
*/
typedef struct NetType
{
 UINT LinkType; ///< The MAC of
 the current network adapter (see function PacketGetNetType() for more information)
 ULONGLONG LinkSpeed; ///< The speed of the network in bits per second
}NetType;


//some definitions stolen from libpcap

#ifndef BPF_MAJOR_VERSION

/*!
 \brief A BPF pseudo-assembly program.

 The program will be injected in the kernel by the PacketSetBPF() function and applied to every incoming packet.
*/
struct bpf_program
{
 UINT bf_len;    ///< Indicates the number of instructions of the program, i.e. the number of struct bpf_insn that will
follow.
 struct bpf_insn *bf_insns; ///< A pointer to the first instruction of the program.
```

```
};

/*!
 \brief A single BPF pseudo-instruction.

 bpf_insn contains a single instruction for the BPF register-machine. It is used to send a filter program to the driver.
*/
struct bpf_insn
{
 USHORT code;  ///< Instruction type and addressing mode.
 UCHAR  jt;   ///< Jump if true
 UCHAR  jf;   ///< Jump if false
 int k;    ///< Generic field used for various purposes.
};

/*!
  \brief Structure that contains a couple of statistics values on the current capture.

 It is used by packet.dll to return statistics about a capture session.
*/
struct bpf_stat
{
 UINT bs_recv;  ///< Number of packets that the driver received from the network adapter
     ///< from the beginning of the current capture. This value includes the packets
     ///< lost by the driver.
 UINT bs_drop;  ///< number of packets that the driver lost from the beginning of a capture.
     ///< Basically, a packet is lost when the the buffer of the driver is full.
     ///< In this situation the packet cannot be stored and the driver rejects it.
 UINT ps_ifdrop;  ///< drops by interface. XXX not yet supported
 UINT bs_capt;  ///< number of packets that pass the filter, find place in the kernel buffer and
     ///< thus reach the application.
};

/*!
 \brief Packet header.

 This structure defines the header associated with every packet delivered to the application.
*/
struct
 bpf_hdr
{
 struct timeval bh_tstamp; ///< The timestamp associated with the captured packet.
       ///< It is stored in a TimeVal structure.
 UINT bh_caplen;   ///< Length of captured portion. The captured portion <b>can be different</b>
       ///< from the original packet, because it is possible (with a proper filter)
       ///< to instruct the driver to capture only a portion of the packets.
 UINT bh_datalen;   ///< Original length of packet
 USHORT  bh_hdrlen;  ///< Length of bpf header (this struct plus alignment padding). In some cases,
```

```
    ///< a padding could be added between the end of this structure and the packet
    ///< data for performance reasons. This filed can be used to retrieve the actual data
    ///< of the packet.
};

/*!
 \brief Dump packet header.

 This structure defines the header associated with the packets in a buffer to be used with PacketSendPackets().
 It is simpler than the bpf_hdr, because it corresponds to the header associated
 by WinPcap and libpcap to a
 packet in a dump file. This makes straightforward sending WinPcap dump files to the network.
*/
struct dump_bpf_hdr{
  struct timeval ts;   ///< Time stamp of the packet
  UINT   caplen;  ///< Length of captured portion. The captured portion can smaller than the
    ///< the original packet, because it is possible (with a proper filter) to
    ///< instruct the driver to capture only a portion of the packets.
  UINT   len;  ///< Length of the original packet (off wire).
};


#endif

struct bpf_stat;

#define     DOSNAMEPREFIX   TEXT("Packet_") ///< Prefix added to the adapters device names to create the
WinPcap devices
#define     MAX_LINK_NAME_LENGTH 64   //< Maximum length of the devices symbolic links
#define     NMAX_PACKET 65535

/*!
 \brief Addresses of a network adapter.

 This structure is used by the PacketGetNetInfoEx() function to return the IP addresses associated with
 an adapter.
*/
typedef struct npf_if_addr
 {
 struct sockaddr_storage IPAddress; ///< IP address.
 struct sockaddr_storage SubnetMask; ///< Netmask for that address.
 struct sockaddr_storage Broadcast; ///< Broadcast address.
}npf_if_addr;


#define ADAPTER_NAME_LENGTH 256 + 12 ///<  Maximum length for the name of an adapter. The value is the
same used by the IP Helper API.
#define ADAPTER_DESC_LENGTH 128   ///<  Maximum length for the description of an adapter. The value is the
```

```
same used by the IP Helper API.
#define MAX_MAC_ADDR_LENGTH 8   ///<  Maximum length for the link layer address of an adapter. The value is the same used by the IP Helper API.
#define MAX_NETWORK_ADDRESSES 16  ///<  Maximum length for the link layer address of an adapter. The value is the same used by the IP Helper API.


typedef struct WAN_ADAPTER_INT WAN_ADAPTER; ///< Describes an opened wan (dialup, VPN...) network adapter using the NetMon API
typedef WAN_ADAPTER *PWAN_ADAPTER; ///< Describes an opened wan (dialup, VPN...) network adapter using the
 NetMon API

#define INFO_FLAG_NDIS_ADAPTER  0 ///< Flag for ADAPTER_INFO: this is a traditional ndis adapter
#define INFO_FLAG_NDISWAN_ADAPTER 1 ///< Flag for ADAPTER_INFO: this is a NdisWan adapter, and it's managed by WANPACKET
#define INFO_FLAG_DAG_CARD   2 ///< Flag for ADAPTER_INFO: this is a DAG card
#define INFO_FLAG_DAG_FILE   6 ///< Flag for ADAPTER_INFO: this is a DAG file
#define INFO_FLAG_DONT_EXPORT  8 ///< Flag for ADAPTER_INFO: when this flag is set, the adapter will not be listed or openend by winpcap. This allows to prevent exporting broken network adapters, like for example FireWire ones.
#define INFO_FLAG_AIRPCAP_CARD  16 ///< Flag for ADAPTER_INFO: this is an airpcap card
#define INFO_FLAG_NPFIM_DEVICE  32

/*!
 \brief Describes an opened network adapter.

 This structure is the most important for the functioning of packet.dll, but the great part of its fields
 should be ignored by the user, since the library offers functions that avoid to cope with low-level parameters
*/
typedef
 struct _ADAPTER  {
 HANDLE hFile;    ///< \internal Handle to an open instance of the NPF driver.
 CHAR  SymbolicLink[MAX_LINK_NAME_LENGTH]; ///< \internal A string containing the name of the network adapter currently opened.
 int NumWrites;    ///< \internal Number of times a packets written on this adapter will be repeated
       ///< on the wire.
 HANDLE ReadEvent;   ///< A notification event associated with the read calls on the adapter.
       ///< It can be passed to standard Win32 functions (like WaitForSingleObject
       ///< or WaitForMultipleObjects) to wait until the driver's buffer contains some
       ///< data. It is particularly useful in GUI applications that need to wait
       ///< concurrently on several events. In Windows NT/2000 the PacketSetMinToCopy()
       ///< function can be used to define the minimum amount of data in the kernel buffer
       ///< that will cause the event to be signalled.

 UINT ReadTimeOut;   ///< \internal
 The amount of time after which a read on the driver will be released and
       ///< ReadEvent will be signaled, also if no packets were captured
```

```
 CHAR Name[ADAPTER_NAME_LENGTH];
 PWAN_ADAPTER pWanAdapter;
 UINT Flags;     ///< Adapter's flags. Tell if this adapter must be treated in a different way, using the Netmon API or the
dagc API.

#ifdef HAVE_AIRPCAP_API
 PAirpcapHandle AirpcapAd;
#endif // HAVE_AIRPCAP_API

#ifdef HAVE_NPFIM_API
 void* NpfImHandle;
#endif // HAVE_NPFIM_API

#ifdef HAVE_DAG_API
 dagc_t *pDagCard;   ///< Pointer to the dagc API adapter descriptor for this adapter
 PCHAR DagBuffer;   ///< Pointer to the buffer with the packets that is received from the DAG card
 struct timeval DagReadTimeout; ///< Read timeout. The dagc API requires a timeval structure
 unsigned DagFcsLen;   ///< Length of the frame check sequence attached to any packet by the card. Obtained from the
registry
 DWORD DagFastProcess;  ///< True if the user requests fast capture processing on this
 card. Higher level applications can use this value to provide a faster but possibly unprecise capture (for example,
libpcap doesn't convert the timestamps).
#endif // HAVE_DAG_API
}  ADAPTER, *LPADAPTER;

/*!
 \brief Structure that contains a group of packets coming from the driver.

 This structure defines the header associated with every packet delivered to the application.
*/
typedef struct _PACKET {
 HANDLE       hEvent;  ///< \deprecated Still present for compatibility with old applications.
 OVERLAPPED   OverLapped; ///< \deprecated Still present for compatibility with old applications.
 PVOID        Buffer;  ///< Buffer with containing the packets. See the PacketReceivePacket() for
       ///< details about the organization of the data in this buffer
 UINT         Length;  ///< Length of the buffer
 DWORD        ulBytesReceived; ///< Number of valid bytes present in the buffer, i.e. amount of data
        ///< received by the last call to PacketReceivePacket()
 BOOLEAN
     bIoComplete; ///< \deprecated Still present for compatibility with old applications.
}  PACKET, *LPPACKET;

/*!
 \brief Structure containing an OID request.

 It is used by the PacketRequest() function to send an OID to the interface card driver.
 It can be used, for example, to retrieve the status of the error counters on the adapter, its MAC address,
 the list of the multicast groups defined on it, and so on.
```

```
*/
struct _PACKET_OID_DATA {
  ULONG Oid;     ///< OID code. See the Microsoft DDK documentation or the file ntddndis.h
      ///< for a complete list of valid codes.
  ULONG Length;    ///< Length of the data field
  UCHAR Data[1];    ///< variable-lenght field that contains the information passed to or received
      ///< from the adapter.
};
typedef struct _PACKET_OID_DATA PACKET_OID_DATA, *PPACKET_OID_DATA;

#ifdef __cplusplus
extern "C" {
#endif

/**
*  @}
*/

/*
BOOLEAN QueryWinPcapRegistryStringA(CHAR *SubKeyName,
       CHAR *Value,
       UINT
 *pValueLen,
       CHAR *DefaultVal);

BOOLEAN QueryWinPcapRegistryStringW(WCHAR *SubKeyName,
       WCHAR *Value,
       UINT *pValueLen,
       WCHAR *DefaultVal);
*/

//---------------------------------------------------------------------------
// EXPORTED FUNCTIONS
//---------------------------------------------------------------------------

PCHAR PacketGetVersion();
PCHAR PacketGetDriverVersion();
BOOLEAN PacketSetMinToCopy(LPADAPTER AdapterObject,int nbytes);
BOOLEAN PacketSetNumWrites(LPADAPTER AdapterObject,int nwrites);
BOOLEAN PacketSetMode(LPADAPTER AdapterObject,int mode);
BOOLEAN PacketSetReadTimeout(LPADAPTER AdapterObject,int timeout);
BOOLEAN PacketSetBpf(LPADAPTER AdapterObject,struct bpf_program *fp);
BOOLEAN PacketSetLoopbackBehavior(LPADAPTER  AdapterObject, UINT LoopbackBehavior);
INT PacketSetSnapLen(LPADAPTER AdapterObject,int snaplen);
BOOLEAN PacketGetStats(LPADAPTER AdapterObject,struct bpf_stat *s);
BOOLEAN PacketGetStatsEx(LPADAPTER AdapterObject,struct
 bpf_stat *s);
BOOLEAN PacketSetBuff(LPADAPTER AdapterObject,int dim);
```

```
BOOLEAN PacketGetNetType (LPADAPTER AdapterObject,NetType *type);
LPADAPTER PacketOpenAdapter(PCHAR AdapterName);
BOOLEAN PacketSendPacket(LPADAPTER AdapterObject,LPPACKET pPacket,BOOLEAN Sync);
INT PacketSendPackets(LPADAPTER AdapterObject,PVOID PacketBuff,ULONG Size, BOOLEAN Sync);
LPPACKET PacketAllocatePacket(void);
VOID PacketInitPacket(LPPACKET lpPacket,PVOID  Buffer,UINT  Length);
VOID PacketFreePacket(LPPACKET lpPacket);
BOOLEAN PacketReceivePacket(LPADAPTER AdapterObject,LPPACKET lpPacket,BOOLEAN Sync);
BOOLEAN PacketSetHwFilter(LPADAPTER AdapterObject,ULONG Filter);
BOOLEAN PacketGetAdapterNames(PTSTR pStr,PULONG  BufferSize);
BOOLEAN PacketGetNetInfoEx(PCHAR AdapterName, npf_if_addr* buffer, PLONG NEntries);
BOOLEAN PacketRequest(LPADAPTER  AdapterObject,BOOLEAN Set,PPACKET_OID_DATA  OidData);
HANDLE PacketGetReadEvent(LPADAPTER AdapterObject);
BOOLEAN PacketSetDumpName(LPADAPTER AdapterObject,
 void *name, int len);
BOOLEAN PacketSetDumpLimits(LPADAPTER AdapterObject, UINT maxfilesize, UINT maxnpacks);
BOOLEAN PacketIsDumpEnded(LPADAPTER AdapterObject, BOOLEAN sync);
BOOL PacketStopDriver();
VOID PacketCloseAdapter(LPADAPTER lpAdapter);
BOOLEAN PacketStartOem(PCHAR errorString, UINT errorStringLength);
BOOLEAN PacketStartOemEx(PCHAR errorString, UINT errorStringLength, ULONG flags);
PAirpcapHandle PacketGetAirPcapHandle(LPADAPTER AdapterObject);

//
// Used by PacketStartOemEx
//
#define PACKET_START_OEM_NO_NETMON 0x00000001

#ifdef __cplusplus
}
#endif

#endif //__PACKET32
/*
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1.172 ubus git

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Found
in path(s):
*

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1.174 nng 1.5.2

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1.175 libsoup 2.74.2

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1.176 lmdb 0.9.24

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1.177 cni v1.0.1

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1.178 pciutils 3.6.4

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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/wwan/mhi_wwan_mbim.c// SPDX-License-Identifier: GPL-2.0-or-later

Found in path(s):
* MODULE_VERSION("1.3.2507.1");
No license file was found, but licenses were detected in source scan.

/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/wwan/mhi_wwan_ctrl.c// SPDX-License-Identifier: GPL-2.0-only

Found in path(s):
* MODULE_VERSION("1.0.2401.1");
No license file was found, but licenses were detected in source scan.

/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/controllers/mhi_qcom.c/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/controllers/mhi_qcom.h/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/core/mhi_boot.c/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/core/mhi_dtr.c/* Copyright (c) 2018, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-

meraki/PCIe/core/mhi_init.c/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/core/mhi_internal.h/*
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/core/mhi_main.c/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/core/mhi_pm.c/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/devices/mhi_netdev.c/* Copyright (c) 2018-2019, The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/devices/mhi_tty.c
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/devices/mhi_uci.c/* Copyright (c) 2018, The Linux Foundation.
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/inc/io.h/*
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/inc/ipc_logging.h/* Copyright (c) 2012-2015,2017 The Linux Foundation. All rights reserved.
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/inc/mhi.h/*
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/inc/qmi_rmnet.h/*
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/USB/usb_wwan.c//
SPDX-License-Identifier: GPL-2.0
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/host/init.c// SPDX-License-Identifier: GPL-2.0
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/host/internal.h/* SPDX-License-Identifier: GPL-2.0 */

/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/host/main.c// SPDX-License-Identifier: GPL-2.0
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/host/pm.c// SPDX-License-Identifier: GPL-2.0
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/host/trace.h/*
SPDX-License-Identifier: GPL-2.0-only */
/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/host/uci.c// SPDX-License-Identifier: GPL-2.0-only
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/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/linaro/wwan/mhi_dtr.c// SPDX-License-Identifier: GPL-2.0-only

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*
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*/

Found in path(s):
* /swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/controllers/mhi_arch_qcom.c
No license file was found, but licenses were detected in source scan.

/opt/cola/permits/2798197105_1767654208.8858545/0/swi-drivers-meraki-zip/swi-drivers-meraki/PCIe/inc/esoc_client.h/* Copyright (c) 2014, 2017-2019, The Linux Foundation. All rights reserved.

Found in path(s):
* MODULE_VERSION("1.15.2504.1");

1.181 delta-i2c-pld 1.0

1.181.1 Available under license :

No license file was found, but licenses were detected in source scan.

Found in path(s):
*
No license file was found, but licenses were detected in source scan.

#include <linux/module.h>

Found in path(s):
* /delta-i2c-pld-tar-gz/delta-i2c-pld/i2c_pld.c

1.182 mrvl-soho-switch-utils 1.0

1.182.1 Available under license :

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to run.

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The UMSD contains source code developed from Marvell along with some
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In the event of a conflict, the license file for a specific file or
project takes precedence over this file. This is just a summary file.

Components
==========
Component: umsd-3.0.5-netagent
Project URL: N/A
License: GPL-style
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Directories: host/linux/libMRegAccess/
Files: cyusb.h, libcyusb.c
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