



Open Source Used In Cisco Crosswork Hierarchical Controller | 3rd Party Adapters 11.0

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1.307.1 Available under license

1.308 netty-codec-xml 4.1.9.Final-redhat-1

1.308.1 Available under license

1.309 wildfly-client-config 1.0.0.Final-redhat-1

1.309.1 Available under license

1.310 undertow-core 1.4.18.SP8-redhat-1

1.310.1 Available under license

1.311 netty-codec-smtp 4.1.9.Final-redhat-1

1.311.1 Available under license

1.312 artemis-jms-client 1.5.5.013-redhat-1

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1.313 netty-codec-stomp 4.1.9.Final-redhat-1

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1.315 netty-resolver 4.1.9.Final-redhat-1

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1.316 wildfly-http-naming-client 1.0.9.Final-redhat-1

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1.317 netty-codec 4.1.9.Final-redhat-1

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1.318 netty-transport-rxtx 4.1.9.Final-redhat-1

1.318.1 Available under license

1.1 krb5-conf 1.0-r2

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
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lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
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lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
```

lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c

lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

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

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1.6 asm 5.0.3

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*/

/**

* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this
 * constructor*. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.

*

* @param mv

* the

method visitor to which this adapter delegates calls.

* @param access

* the method's access flags (see {@link Opcodes}).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see {@link Type Type}).

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/GeneratorAdapter.java

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* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/shrink-frames.properties

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/shrink-resize.properties

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/shrink-signatures.properties

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/shrink.properties

*

/asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/shrink-annotations.properties

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/shrink-writer.properties

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/**

* Constructs a new {@link Textifier}. <i>Subclasses must not use this

* constructor</i>. Instead, they must use the {@link #Textifier(int)}

* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/Textifier.java

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- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/Analyzer.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- *
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/ClassReader.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/MethodInsnNode.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/Label.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/CheckFieldAdapter.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/ConstantPool.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/Remapper.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/Constant.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/Printer.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/BasicValue.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/AbstractInsnNode.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/LineNumberNode.java

```

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/FrameNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/JarOptimizer.java
*
/asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/Method.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/AnnotationNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/VarInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Item.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/TypeInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Handler.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/ClassVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/InnerClassNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/FieldInsnNode.java
*
/asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/ParameterNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/ASMifier.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/Frame.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/MethodNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/MethodVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/IntInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/CheckClassAdapter.java
*
/asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Context.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Opcodes.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/FieldVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/LabelNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/Shrinker.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/signature/SignatureWriter.java
*

```

```

/asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/Value.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/NameMapping.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/InsnList.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Attribute.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/JumpInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/ByteVector.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/InsnNode.java
*
/asm-5-0-3-sources-6-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/TraceClassVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Type.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Frame.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/signature/SignatureReader.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Edge.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/FieldNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/AnnotationVisitor.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/ClassWriter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/MethodOptimizer.java
*
/asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/Handle.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/FieldWriter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/SimpleRemapper.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/InsnNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/AdviceAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/LocalVariableNode.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /asm-5-0-3-sources-6-jar/org/objectweb/asm/MethodWriter.java

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*/

/**

* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.

*

* @param mv

*

the `MethodVisitor` to send the resulting inlined

* method code to (use `null` for none).

* @param access

* the method's access flags (see {@link Opcodes}). This

* parameter also indicates if the method is synthetic and/or

* deprecated.

* @param name

* the method's name.

* @param desc

* the method's descriptor (see {@link Type}).

* @param signature

* the method's signature. May be `null`.

* @param exceptions

* the internal names of the method's exception classes (see

* {@link Type#getName() getName}). May be

* `null`.

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/Processor.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/ASMContentHandler.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/SAXAdapter.java
- *
 - /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/SAXClassAdapter.java
 - * /asm-5-0-3-sources-6-jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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- * /asm-5-0-3-sources-6-jar/org/objectweb/asm/TypePath.java

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*/

/**

* Constructs a new {@link ClassNode}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #ClassNode(int)}
* version.

```

*
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

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```

/**

```

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*/

/**

* Creates a new {@link AnalyzerAdapter}. *Subclasses must not use this*
* constructor*.* Instead, they must use the
* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
*
* @param owner
*
* the owner's class name.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @param mv
* the method visitor to which this adapter delegates calls. May
* be `null`.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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* /asm-5-0-3-sources-6-jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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- */
- /**
- * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
- * not use this constructor</i>. Instead, they must use the
- * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
- * version.
- *
-
- * @param typeRef
- * a reference to the annotated type. See {@link TypeReference}.
- * @param typePath
- * the path to the annotated type argument, wildcard bound, array
- * element type, or static inner type within 'typeRef'. May be
- * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
- * @param start
- * the first instructions corresponding to the continuous ranges
- * that make the scope of this local variable (inclusive).
- * @param end
- * the last instructions corresponding to the continuous ranges
- * that make the scope of this local variable (exclusive). This
- * array must have the same size as the 'start' array.
- * @param index
- * the local variable's index in each range. This array must have
- * the same size as the 'start' array.
- * @param desc
- * the class descriptor of
- the annotation class.
- */

Found in path(s):

* /asm-5-0-3-sources-6-jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

1.7 java-cacerts 1.0-r1

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1.13 jsonschema 3.2.0

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1.15 importlib-metadata 4.11.1

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1.16 python3-asn1crypto 1.5.1

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1.17 javax-json 1.0.4.redhat-1

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* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/stream/JsonGenerator.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonString.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/stream/JsonParserFactory.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/package-info.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/Json.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/stream/JsonGeneratorFactory.java
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* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonException.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/spi/JsonProvider.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonArray.java
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 * /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonStructure.java
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 * /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonObjectBuilderImpl.java
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 * /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonParserImpl.java
 * /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonGeneratorImpl.java
 * /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonWriter.java

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* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/stream/JsonParsingException.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/UnicodeDetectingInputStream.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonProviderImpl.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonGeneratorFactoryImpl.java
*
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonArrayBuilderImpl.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonStructureParser.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonReader.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonTokenizer.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/stream/JsonGenerationException.java
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* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonNumberImpl.java
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* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonWriterFactoryImpl.java
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* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonReaderFactoryImpl.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/api/BufferPool.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonWriterFactory.java
* /javax-json-1-0-4-redhat-1-sources-jar/javax/json/JsonObjectBuilder.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonBuilderFactoryImpl.java
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* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonWriterImpl.java
* /javax-json-1-0-4-redhat-1-sources-jar/org/glassfish/json/JsonMessages.java
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1.18 gdbm 1.23-r0

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1.19 musl-obstack 1.2.3-r0

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1.20 ordered-set 4.1.0

1.20.1 Available under license :

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1.21 keyutils 1.6.3-r1

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```

# Contributor: Sheila Aman <sheila@vulpine.house>
# Maintainer: Adlie Perl Team <adelie-perl@lists.adelielinux.org>
pkgname=perl-software-license
_pkgreal=Software-License
_author=LEONT
_au=${_author%%"${_author#?}" }
_a=${_author%%"${_author#?}" }
pkgver=0.103014
pkgrel=0
pkgdesc="Perl module for generating prefilled license text"
url="https://metacpan.org/pod/Software::License"
arch="noarch"
license="Artistic-1.0-Perl"
depends="perl perl-data-section perl-text-template perl-try-tiny"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/${_a}/${_au}/${_author}/${_pkgreal}-${pkgver}.tar.gz"
buildid="$_srcdir/${_pkgreal}-${pkgver}"

build() {
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="8012f9d3e8671bdcba52f6790f6cd2f6a0510883bb40115c222c8c685aed6697ba33b3f9df8d853841cd
2eef0806d919c9038b6ba7b1057f475b3b63457069d
    Software-License-0.103014.tar.gz"
# Maintainer: Adlie Platform Group <adelie-devel@lists.adelielinux.org>
pkgname=bsd-compat-headers
pkgver=0.7.1
pkgrel=1
pkgdesc="Compatibility files for building BSD software"
url=" "
arch="noarch"
options="!check" # Just header files.
license="BSD-2-Clause AND BSD-3-Clause"
depends=""
makedepends=""
subpackages=""

```

```
source="sys-cdefs.h
sys-queue.h
sys-tree.h
"
```

```
package() {
mkdir -p "$pkgdir"
case "$CLIBC" in
musl)
install -D "$srcdir"/sys-cdefs.h "$pkgdir"/usr/include/sys/cdefs.h
install -D "$srcdir"/sys-queue.h "$pkgdir"/usr/include/sys/queue.h
install -D "$srcdir"/sys-tree.h "$pkgdir"/usr/include/sys/tree.h
;;
esac
}
```

```
sha512sums="8c3fddd73b696a38e633953715c79c47703739be27ee085fc6c960a57b6746ca05bf6406f7e6126cc1a13
204254fd5830afb566624e1f298f4d6b58216013c28 sys-cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 sys-queue.h
07cb70f2f0ddb31e23dd913c6f561fc9885667c5803fdf3a559676c99d08834b4104589bacb5d17b4a0b379c68c81a1cf
3173832b3da33a7b936fa7b93706844
sys-tree.h"
```

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You want to hold a tangible legal document as evidence that you have the legal right to use and distribute SQLite.

Your legal department tells

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Charlotte, NC 28269
USA

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see <http://www.sqlite.org/copyright.html>

Contributor: Sheila Aman <sheila@vulpine.house>

Maintainer: Adlie Perl Team <adelie-perl@lists.adelielinux.org>

pkgname=perl-string-copyright

_pkgreal=String-Copyright

_author=JONASS

_au=\${_author%%"\${_author#?}"}

_a=\${_author%%"\${_author#?}"}

pkgver=0.003006

pkgrel=0

pkgdesc="Perl module for normalizing copyright text"

url="https://metacpan.org/pod/String::Copyright"

arch="noarch"

license="GPL-3.0+"

depends="perl perl-exporter-tiny perl-number-range"

makedepends="perl-dev"

subpackages="\$pkgname-doc"

source="https://cpan.metacpan.org/authors/id/\${_a}/\${_au}/\${_author}/\${_pkgreal}-\${pkgver}.tar.gz"

```

builddir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="7852d96cbe465dde14b4c093f77374b530967412ef95a98703fe838511e405ea9744e4dbfa314bc5a33fc
23b160d8a4866654ad60da1bfb07853263f1c11cd3f String-Copyright-0.003006.tar.gz"
# Contributor: Sheila Aman <sheila@vulpine.house>
# Maintainer: Adlie Perl Team <adelie-perl@lists.adelielinux.org>
pkgname=perl-regexp-pattern-license
_pkgreal=Regexp-Pattern-License
_author=JONASS
_au=${_author%%"${_author#?}" }
_a=${_author%%"${_author#?}" }
pkgver=3.4.0
pkgrel=0
pkgdesc="Perl module for regex-matching legal licenses"
url="https://metacpan.org/pod/Regexp::Pattern::License"
arch="noarch"
license="GPL-3.0+"
depends="perl perl-re-engine-re2 perl-regexp-pattern perl-strictures
perl-test-regexp-pattern perl-try-tiny"
checkdepends="perl-test-requires"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/${_a}/${_au}/${_author}/${_pkgreal}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    make test
}

```

```

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="5524535f8eebe6cc2ce2065bae1f726b9a2717c34262df2ddd9106464dcfbaeb67eb310679bb636e72866
9f17041e4f101c7fb241a8e07a6cf3dc6fb3ae88e12
    Regexp-Pattern-License-v3.4.0.tar.gz"
# Maintainer:
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="Library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0+"
depends=""
makedepends=""
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2"
buildid="$srcdir"/libart-lgpl-$pkgver

prepare() {
    default_prepare
    update_config_sub
}

build() {
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"
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```

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1.22 libnsl 2.0.0-r0

1.22.1 Available under license :

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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1.23 libucontext 1.2-r0

1.23.1 Available under license :

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1.24 python-requests 2.28.1

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1.26 urllib3 1.26.12

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1.29 blas 0.3.21-r0

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- * [2011-06-11] Make USE_OPENMP=0 disable openmp.

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- * [2011-12-28] Fix a bug about SystemStubs on Mac OS X.

- * Alexander Eberspacher <<https://github.com/aeberspacher>>
- * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.

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- * [2012-05-19] Fix building bug on FreeBSD and NetBSD.

- * Sylvestre Ledru <<https://github.com/sylvestre>>

- * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and kfreebsd.
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- * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.
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- * [2012-11-10] Fix NetBSD build.
- * Sbastien Villemot <sebastien@debian.org>
- * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.
- * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!
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- * [2013-05-17] Fix typo in the document. Re-order the architecture list in getarch.c.
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- * [2013-05-22] Fix a bug about wget.
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- * [2013-07-24] Modify makefile to respect user's LDFLAGS
- * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files
- * Viral B. Shah <viral@mayin.org>
- * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340
- * Lars Buitinck <<https://github.com/larsmans>>
- * [2013-08-28] get rid of the generated cblas_noconst.h file
- * [2013-08-28] Missing threshold in gemm.c
- * [2013-08-28] fix default prefix handling in makefiles
- * yieldthought <<https://github.com/yieldthought>>
- * [2013-10-08] Remove -Wl,--retain-symbols-file from dynamic link line to fix tool support

- * Keno Fischer <<https://github.com/loladiro>>
- * [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

- * Christopher Meng <cickumqt@gmail.com>
- * [2013-12-09] Add DESTDIR support for easier building on RPM based distros.
Use install command instead of cp to install files with permissions control.

- * Lucas Beyer <lucasb.eyer.be@gmail.com>
- * [2013-12-10] Added support for NO_SHARED in make install.

- * carlkl <<https://github.com/carlkl>>
- * [2013-12-13] Fixed LAPACKE building bug on Windows

- * Isaac Dunham <<https://github.com/idunham>>
- * [2014-08-03] Fixed link error on Linux/musl

- * Dave Nuechterlein
- * [2014-10-10] trmm and sgemm kernels (optimized for APM's X-Gene 1).
ARMv8 support.

- * Jerome Robert <jeromerobert@gmx.com>
- * [2015-01-01] Speed-up small `ger` and `gemv` using stack allocation (bug #478)
- * [2015-12-23] `stack\_check` in `gemv.c` (bug #722)
- * [2015-12-28] Allow to force the number of parallel make job
- * [2015-12-28] Fix detection of AMD E2-3200 detection
- * [2015-12-31] Let `make MAX\_STACK\_ALLOC=0` do what expected
- * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
- * [2016-01-24] Use `GEMM\_MULTITHREAD\_THRESHOLD` as a number of ops (bug #742)
- * [2016-01-26] Let `openblas\_get\_num\_threads` return the number of active threads (bug #760)
- * [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

- * Dan Kortschak
- * [2015-01-07] Added test for drotmg bug #484.

- * Ton van den Heuvel <<https://github.com/ton>>
- * [2015-03-18] Fix race condition during shutdown causing a crash in gotoblas_set_affinity().

- * Martin Koehler <<https://github.com/grisuthedragon/>>
- * [2015-09-07] Improved imatcopy

- * Ashwin Sekhar T K <<https://github.com/ashwinyes/>>
- * [2015-11-09] Assembly kernels for Cortex-A57 (ARMv8)
- * [2015-11-20] lapack-test fixes for Cortex-A57
- * [2016-03-14] Additional functional Assembly Kernels for Cortex-A57
- * [2016-03-14] Optimize Dgemm 4x4 for Cortex-A57

- * theoractice <<https://github.com/theoractice/>>
- * [2016-03-20] Fix compiler error in VisualStudio with CMake
- * [2016-03-22] Fix access violation on Windows while static linking

- * Paul Mustire <<https://github.com/buffer51/>>
- * [2016-02-04] Fix Android build on ARMV7
- * [2016-04-26] Android build with LAPACK for ARMV7 & ARMV8

- * Shivraj Patil <<https://github.com/sva-img/>>
- * [2016-05-03] DGEMM optimization for MIPS P5600 and I6400 using MSA

- * Kaustubh Raste <<https://github.com/ksraste/>>
- * [2016-05-09] DTRSM optimization for MIPS P5600 and I6400 using MSA
- * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

- * Abdelrauf <<https://github.com/quickwritereader>>
- * [2017-01-01] dgemm and dtrmm kernels for IBM z13
- * [2017-02-26] ztrmm kernel for IBM z13
- * [2017-03-13] strmm and ctrmm kernel for IBM z13
- * [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
- * [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes
- * [2019-02-01] added missing Blas Level-1,2 (single precision) simd codes
- * [2019-03-14] power9 dgemm/dtrmm kernel
- * [2019-04-29] power9 sgemm/strmm kernel

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- * [2019-07-29] optimize AVX2 DGEMM
- * [2019-10-20] AVX512 DGEMM kernel (4x8)
- * [2019-11-06] optimize AVX512 SGEMM
- *
- [2019-11-12] AVX512 CGEMM & ZGEMM kernels
- * [2019-12-23] optimize AVX2 CGEMM and ZGEMM
- * [2019-12-30] AVX2 CGEMM3M & ZGEMM3M kernels
- * [2020-01-07] optimize AVX2 SGEMM and STRMM

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- * [2020-04-15] Half-precision GEMM for bfloat16

- * Marius Hillenbrand <<https://github.com/mhillenibm>>
- * [2020-05-12] Revise dynamic architecture detection for IBM z
- * [2020-05-12] Add new sgemm and strmm kernel for IBM z14
- * [2020-09-07] Fix builds with clang on IBM z, including dynamic architecture support

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* [2021-10-27] Add vector-length-agnostic DGEMM kernels for Arm SVE

* [2021-11-20] Vector-length-agnostic Arm SVE copy routines for DGEMM, DTRMM, DSYMM

* [2021-11-12] SVE kernels for SGEMM, STRMM and corresponding SVE copy functions

* [2022-01-06] SVE kernels for CGEMM, ZGEMM, CTRMM, ZTRMM and corresponding SVE copy functions

* [2022-01-18] SVE kernels and copy functions for TRSM

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* [2021-02-21] Add basic support for the Elbrus E2000 architecture

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* [2013-06-21] Optimize dcopy kernel on AMD Bulldozer

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- * [2013-05-22] Fix a bug about wget.

- * Dan Luu <<http://www.linkedin.com/in/danluu>>
- * [2013-06-30] Add Intel Haswell support (using sandybridge optimizations).

- * grisuthedragon <<https://github.com/grisuthedragon>>
- * [2013-07-11] create openblas_get_parallel to retrieve information which parallelization model is used by OpenBLAS.

- * Elliot Saba <staticfloat@gmail.com>
- * [2013-07-22] Add in return value for `interface/trtri.c`

- * Sbastien Fabbro
<bicatali@gentoo.org>
- * [2013-07-24] Modify makefile to respect user's LDFLAGS
- * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

- * Viral B. Shah <viral@mayin.org>
- * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340

- * Lars Buitinck <<https://github.com/larsmans>>
- * [2013-08-28] get rid of the generated cblas_noconst.h file
- * [2013-08-28] Missing threshold in gemm.c
- * [2013-08-28] fix default prefix handling in makefiles

- * yieldthought <<https://github.com/yieldthought>>
- * [2013-10-08] Remove -Wl,--retain-symbols-file from dynamic link line to fix tool support

- * Keno Fischer <<https://github.com/loladiro>>
- * [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

- * Christopher Meng <cickumqt@gmail.com>
- * [2013-12-09] Add DESTDIR support for easier building on RPM based distros.
Use install command instead of cp to install files with permissions control.

- * Lucas Beyer <lucasb.eyer.be@gmail.com>
- * [2013-12-10] Added support for NO_SHARED in make install.

- * carlkl <<https://github.com/carlkl>>
- * [2013-12-13] Fixed LAPACKE building bug on Windows

- * Isaac Dunham <<https://github.com/idunham>>
- * [2014-08-03] Fixed link error on Linux/musl

- * Dave Nuechterlein
- * [2014-10-10] trmm and sgemm kernels (optimized for APM's X-Gene 1).
ARMv8 support.

- * Jerome Robert <jeromerobert@gmx.com>

- * [2015-01-01] Speed-up small `ger` and `gemv` using stack allocation (bug #478)
- * [2015-12-23] `stack\_check` in `gemv.c` (bug #722)
- * [2015-12-28] Allow to force the number of parallel make job
- * [2015-12-28] Fix detection of AMD E2-3200 detection
- * [2015-12-31] Let `make MAX\_STACK\_ALLOC=0` do what expected
- * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
- * [2016-01-24] Use `GEMM\_MULTITHREAD\_THRESHOLD` as a number of ops (bug #742)
- * [2016-01-26] Let `openblas\_get\_num\_threads` return the number of active threads (bug #760)
- * [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

- * Dan Kortschak
- * [2015-01-07] Added test for drotmg bug #484.

- * Ton van den Heuvel <<https://github.com/ton>>
- * [2015-03-18] Fix race condition during shutdown causing a crash in gotoblas_set_affinity().

- * Martin Koehler <<https://github.com/grisuthedragon/>>
- * [2015-09-07] Improved imatcopy

- * Ashwin Sekhar T K <<https://github.com/ashwinyes/>>
- * [2015-11-09] Assembly kernels for Cortex-A57 (ARMv8)
- * [2015-11-20] lapack-test fixes for Cortex-A57
- * [2016-03-14] Additional functional Assembly Kernels for Cortex-A57
- * [2016-03-14] Optimize Dgemm 4x4 for Cortex-A57

- * theoractice <<https://github.com/theoractice/>>
- * [2016-03-20] Fix compiler error in VisualStudio with CMake
- * [2016-03-22] Fix access violation on Windows while static linking

- * Paul Mustire <<https://github.com/buffer51/>>
- * [2016-02-04] Fix Android build on ARMV7
- * [2016-04-26] Android build with LAPACK for ARMV7 & ARMV8

- * Shivraj Patil <<https://github.com/sva-img/>>
- * [2016-05-03] DGEMM optimization for MIPS P5600 and I6400 using MSA

- * Kaustubh Raste <<https://github.com/ksraste/>>
- * [2016-05-09] DTRSM optimization for MIPS P5600 and I6400 using MSA
- * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

- * Abdelrauf <<https://github.com/quickwritereader>>
- * [2017-01-01] dgemm and dtrmm kernels for IBM z13
- * [2017-02-26] ztrmm kernel for IBM z13
- * [2017-03-13] strmm and ctrmm kernel for IBM z13
- * [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
- * [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes

- * [2019-02-01] added missing Blas Level-1,2 (single precision) simd codes
- * [2019-03-14] power9 dgemm/dtrmm kernel
- * [2019-04-29] power9 sgemm/strmm kernel

- * Jiachen Wang <<https://github.com/wjc404>>
- * [2019-07-29] optimize AVX2 DGEMM
- * [2019-10-20] AVX512 DGEMM kernel (4x8)
- * [2019-11-06] optimize AVX512 SGEMM
- *
- [2019-11-12] AVX512 CGEMM & ZGEMM kernels
- * [2019-12-23] optimize AVX2 CGEMM and ZGEMM
- * [2019-12-30] AVX2 CGEMM3M & ZGEMM3M kernels
- * [2020-01-07] optimize AVX2 SGEMM and STRMM

- * Rajalakshmi Srinivasaraghavan <<https://github.com/RajalakshmiSR>>
- * [2020-04-15] Half-precision GEMM for bfloat16

- * Marius Hillenbrand <<https://github.com/mhillenibm>>
- * [2020-05-12] Revise dynamic architecture detection for IBM z
- * [2020-05-12] Add new sgemm and strmm kernel for IBM z14
- * [2020-09-07] Fix builds with clang on IBM z, including dynamic architecture support

- * Danfeng Zhang <<https://github.com/craft-zhang>>
- * [2020-05-20] Improve performance of SGEMM and STRMM on Arm Cortex-A53

- * PingTouGe Semiconductor Co., Ltd.
- * [2020-10] Add RISC-V Vector (0.7.1) support. Optimize BLAS kernels for Xuantie C910

- * River Dillon <oss@outerpassage.net>
- * [2021-07-10] fix compilation with musl libc

- * Bine Brank <<https://github.com/binebrank>>
- * [2021-10-27] Add vector-length-agnostic DGEMM kernels for Arm SVE
- * [2021-11-20] Vector-length-agnostic Arm SVE copy routines for DGEMM, DTRMM, DSYMM
- * [2021-11-12] SVE kernels for SGEMM, STRMM and corresponding SVE copy functions
- * [2022-01-06] SVE kernels for CGEMM, ZGEMM, CTRMM, ZTRMM and corresponding SVE copy functions
- * [2022-01-18] SVE kernels and copy functions for TRSM

- * Ilya Kurdyukov <<https://github.com/ilyakurdyukov>>
- * [2021-02-21] Add basic support for the Elbrus E2000 architecture

- * PLCT Lab, Institute of Software Chinese Academy of Sciences
- * [2022-03] Support RISC-V Vector Intrinisc 1.0 version.

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be

linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the

object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany

the work with the complete corresponding

machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) 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 three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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The

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.13, October 13th, 2022

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*/

1.35 apk-tools 2.12.10-r1

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```

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1.38 python-setuptools 65.5.1

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes

2.2 and above

2.1.1 2001-now PSF yes

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```
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```

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`fastjsonschema`

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`validate-pyproject`

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many

libraries. However, the Lesser license provides advantages in certain special circumstances.

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

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(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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@subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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

```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end
smallexample
```

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

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!

This subpackage is under the GPL, see file COPYING in the toplevel directory.

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NO WARRANTY

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@page

@heading Appendix: How to Apply These Terms to Your New Programs

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@var{one line to give the program's name
and a brief idea of what it does.}

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@end smallexample

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

@smallexample

Gnomovision version

69, Copyright (C) @var{year} @var{name of author}

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

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@end smallexample

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@example

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@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

@end example

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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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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute

the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will

operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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1.46 musl 1.2.3-r4

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1.47 e2fsprogs 1.46.5-r4

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

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

all:: image

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

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

image: \$(BSD_LIB)

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

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


install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD_LIB)

\$(RM) -f ../\$(BSD_LIB)

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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

-

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Gadi Oxman, August 1995

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Theodore Ts'o
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That's all there is to it!

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

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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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 package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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1.48 distlib 0.3.6

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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=====

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=====

The Distutils2 project was started by Tarek Ziad and is currently
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distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

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1.49 colorama 0.4.5

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1.50 pep517 0.13.0

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1.51 bzip2 1.0.8-r4

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1.52 alpine-baselayout 3.4.0-r0

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# Contributor: Francesco Colista <francesco.colista@gmail.com>
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pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
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pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/_pkgreal-$pkgver.tar.gz"

_buildddir="$srcdir/_pkgreal-$pkgver"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test
}

package() {
    cd "$_buildddir"
    make
    DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

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95052.

```
# Automatically generated by apkbuidl-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
```

```

depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/${_pkgreal}-${pkgver}.tar.gz"

_buildddir="${srcdir}/${_pkgreal}-${pkgver}"

prepare() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_buildddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test || return 1
}

package() {
    cd "$_buildddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir"
    \(-name perllocal.pod -o -name .packlist\) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012 BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06 BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276cce2bd40a429fa430 BSD-Resource-1.2909.tar.gz"
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Contributor: Fabian Affolter <fabian@affolter-engineering.ch>

Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>

pkgname=py-flake8-copyright

_pkgname=flake8-copyright

pkgver=0.1

pkgrel=1

pkgdesc="Extension for flake8 which checks for copyrights"

url="https://github.com/savoirfairelinux/flake8-copyright"

arch="noarch"

```

license="MIT"
depends="python flake8"
depends_dev=""
makedepends="python-dev py-setuptools"
install=""
subpackages=""
source="http://pypi.python.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"

_buildddir="${srcdir}/${_pkgname}-${pkgver}
prepare() {
    local i
    cd "$_buildddir"
    for i in $source; do
        case $i in
            *.patch) msg $i; patch -p1 -i "$srcdir"/$i || return 1;;
            esac
        done
    }

    build() {
        cd "$_buildddir"
        python setup.py build || return 1
    }

    package() {
        cd "$_buildddir"
        python setup.py install --prefix=/usr --root="$pkgdir" || return 1
    }

md5sums="8fab17d27f0b417c44ea0bebf579d71b flake8-copyright-0.1.tar.gz"
sha256sums="34cba5411ef3f677b7ba8d7b063493c9ed5af9985b2da77807be94bf9e65823b
    flake8-copyright-0.1.tar.gz"
sha512sums="c1ef4b8ad4bd422b629ec481074256d33ca4c8e8f10c7a7da6619b01c18ccf6f8a86bf6c7ce4d73f29a93e
0f23797c1a356abcf242e9f556b979b75e3a8bfe46 flake8-copyright-0.1.tar.gz"
GNU GENERAL PUBLIC LICENSE
Version 2, June 1991

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pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=5

pkgdesc="A library for high-performance 2D graphics"

url="http://www.levien.com/libart/"

arch="all"

license="LGPL"

depends=

makedepends=

subpackages="\$pkgname-dev"

source="http://ftp.gnome.org/pub/GNOME/sources/libart_lgpl/2.3/libart_lgpl-\$pkgver.tar.bz2"

"

_builddir="\$srcdir"/libart_lgpl-\$pkgver

prepare() {

cd "\$_builddir"

update_config_sub || return 1

}

build() {

cd "\$_builddir"

./configure \

--build=\$CBUILD \

```

--host=$CHOST \
--prefix=/usr \
|| return 1
make || return 1
}

package() {
cd "$_builddir"
make DESTDIR="$pkgdir" install || return 1
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302 libart_lgpl-2.3.21.tar.bz2"

```

1.53 busybox 1.35.0-r29

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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1.54 ncurses 6.3_p20221119-r0

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Files: install-sh
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-- vile: txtmode file-encoding=utf-8

1.55 zlib 1.2.13-r1

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Jean-loup Gailly	Mark Adler
jloup@gzip.org	madler@alumni.caltech.edu

1.56 xz 5.2.9-r0

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1.57 kerberos 1.20.1-r0

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lib/krb5/kadm5/kadm_host_srv_names.c
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lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
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lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c

lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

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

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1.58 tini 0.19.0-r1

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1.59 gcompat 1.1.0-r0

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1.60 util-linux 2.38.1-r1

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```
NR START  END SECTORS SIZE NAME UUID
1  32 7679  7648 3.7M   8f8378c0-01
2 7680 16383  8704 4.3M   8f8378c0-02
5 7936 12799  4864 2.4M
6 12544 16127  3584 1.8M
```

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1.61 ssh2-python 1.0.0

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```

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```
/* c_rehash.c - Create hash symlinks for certificates
```

```
* C implementation based on the original Perl and shell versions
```

```
*
```

```
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1.64 urllib3 1.26.14

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1.65 python-requests 2.28.2

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1.66 sqlite 3.40.1-r0

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1.67 e2fsprogs 1.46.6-r0

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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)
*/
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Upstream-Name: e2fsprogs
Upstream-Contact: Theodore Ts'o <tytso@mit.edu>
Source: http://sourceforge.net/projects/e2fsprogs
Comment:
This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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misc/e2fuzz.c

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August 26, 2011 Darrick J. Wong <djwong at us.ibm.com>

Reuse Bob Pearson's slice-by-8 implementation for e2fsprogs.

.

July 20, 2011 Bob Pearson <rpearson at systemfabricworks.com>

...

Oct 15, 2000 Matt Domsch <Matt_Domsch@dell.com>

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Theodore Ts'o
23-June-2007

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Version 2, June 1991

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That's all there is to it!

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

```
all:: image
```

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

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

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBS)
```

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

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

install-strip: install

install-shlibs-strip:: install-shlibs

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

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

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1.68 python-pip 23.0.1

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived	Year	Owner	GPL-

from		compatible? (1)		
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see

<https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.74 cpp 12.2.1_git20220924-r10

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

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1.75 e2fsprogs 1.47.0-r2

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Index: tdbsa/tdb.c

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--- 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

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Upstream-Name: e2fsprogs

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

Source: <http://sourceforge.net/projects/e2fsprogs>

Comment:

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

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That's all there is to it!

#

This is a Makefile stub which handles the creation of BSD shared
libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;'/'\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

@echo " INSTALL_PROGRAM \$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)"

@\$(INSTALL_PROGRAM) \$(BSD_LIB) \

\$(DESTDIR)\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM)
```

```
-rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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1.76 lapack 3.11-r0

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1.77 libverto 0.3.2-r2

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src/err.c
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include/bsd/sys/bitstring.h
include/bsd/sys/queue.h
include/bsd/sys/time.h
include/bsd/timeconv.h
include/bsd/vis.h
man/bitstring.3bsd
man/errc.3bsd
man/explicit_bzero.3bsd
man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
man/funopen.3bsd
man/getbsize.3bsd
man/heapsort.3bsd
man/nlist.3bsd
man/pwcache.3bsd
man/queue.3bsd
man/radixsort.3bsd
man/reallocarray.3bsd
man/reallocf.3bsd
man/setmode.3bsd
man/strmode.3bsd
man/strnstr.3bsd
man/strtoi.3bsd
man/strtou.3bsd
man/unvis.3bsd
man/vis.3bsd
man/wcslcpy.3bsd
src/getbsize.c
src/heapsort.c
src/merge.c
src/nlist.c

src/pwcache.c

src/radixsort.c

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man/fmtcheck.3bsd
man/humanize_number.3bsd
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man/fparseln.3bsd

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src/arc4random_unix.h
src/arc4random_win.h
src/closefrom.c
src/freezero.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy_linux.c
src/getentropy_osx.c
src/getentropy_solaris.c
src/getentropy_win.c
src/readpassphrase.c
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1.82 pax-utils 1.3.7-r1

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c

lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprof_hdr.h
kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.84 fontconfig 2.14.2-r3

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fontconfig/fc-case/CaseFolding.txt

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fontconfig/src/fcatomic.h

/*

* Mutex operations. Originally copied from HarfBuzz.

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fontconfig/src/fcfoundry.h

/*

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*/

fontconfig/src/fcmd5.h

/*

* This code implements the MD5 message-digest algorithm.

* The algorithm is due to Ron Rivest. This code was

* written by Colin Plumb in 1993, no copyright is claimed.

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*

* Equivalent code is available from RSA Data Security, Inc.

* This code has been tested against that, and is equivalent,

* except that you don't need to include two pages of legalese

* with every copy.

*

* To compute the message digest of a chunk of bytes, declare an

* MD5Context structure, pass it to MD5Init, call MD5Update

as
* needed on buffers full of bytes, and then call MD5Final, which
* will fill a supplied 16-byte array with the digest.
*/

fontconfig/src/fcmutex.h

/*
* Atomic int and pointer operations. Originally copied from HarfBuzz.
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*/

fontconfig/src/ftglue.[ch]

/* ftglue.c: Glue code for compiling the OpenType code from
* FreeType 1 using only the public API of FreeType 2
*
*/

```

* By David Turner, The FreeType Project (www.freetype.org)
*
* This code is explicitly put in the public domain
*
* =====
*
* the OpenType
parser codes was originally written as an extension to
* FreeType 1.x. As such, its source code was embedded within the library,
* and used many internal FreeType functions to deal with memory and
* stream i/o.
*
* When it was 'salvaged' for Pango and Qt, the code was "ported" to FreeType 2,
* which basically means that some macro tricks were performed in order to
* directly access FT2 _internal_ functions.
*
* these functions were never part of FT2 public API, and _did_ change between
* various releases. This created chaos for many users: when they upgraded the
* FreeType library on their system, they couldn't run Gnome anymore since
* Pango refused to link.
*
* Very fortunately, it's possible to completely avoid this problem because
* the FT_StreamRec and FT_MemoryRec structure types, which describe how
* memory and stream implementations interface with the rest of the font
* library, have always been part of the public API, and never changed.
*
* What we do
thus is re-implement, within the OpenType parser, the few
* functions that depend on them. This only adds one or two kilobytes of
* code, and ensures that the parser can work with _any_ version
* of FreeType installed on your system. How sweet... !
*
* Note that we assume that Pango doesn't use any other internal functions
* from FreeType. It used to in old versions, but this should no longer
* be the case. (crossing my fingers).
*
* - David Turner
* - The FreeType Project (www.freetype.org)
*
* PS: This "glue" code is explicitly put in the public domain
*/

```

1.85 libucontext 1.2-r2

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1.86 ca-certificates 20230506-r0

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```
/* c_rehash.c - Create hash symlinks for certificates
 * C implementation based on the original Perl and shell versions
 *
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 *
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 */
```

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```
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```

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```

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```
* /ca-certificates-20230506-tar-bz2/ca-certificates-20230506/mk-ca-bundle.pl
```

1.87 ncurses 6.4_p20230506-r0

1.87.1 Available under license :

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-- vile: txtmode file-encoding=utf-8
Upstream source <https://invisible-island.net/ncurses/ncurses.html>
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

Files: *

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Files: aclocal.m4 package
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Files: doc/html/NCURSES-Programming-HOWTO.html
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Files: progs/tset.c ncurses/tinfo/read_termcap.c

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-- vile: txtmode file-encoding=utf-8

1.88 xz 5.4.3-r0

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1.89 apk-tools 2.14.0-r2

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1.90 alpine-baselayout 3.4.3-r1

1.90.1 Available under license :

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/*

* Create mount directories in fstab

```

*
* Copyright(c) 2008 Natanael Copa <natanael.copa@gmail.com>
* May be distributed under the terms of GPL-2
*
* usage: mkmntdirs [fstab]
*
*/

```

Found in path(s):

```

* /alpine-baselayout-master-zip/alpine-baselayout-master/src/mkmntdirs.c

```

1.91 free-type 2.13.0-r5

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```

# Files that don't get a copyright, or which are taken from elsewhere.
#
# All lines in this file are patterns (relative to the top-level directory),
# including the comment lines; this means that e.g. `FTL.TXT' matches all
# files that have this string in the file name (including the path relative
# to the current directory, always starting with `./').
#
# Don't put empty lines into this file!
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h

```

src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk

src/gzip/adler32.c
src/gzip/ftzconf.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h

src/tools/apinames.c
src/tools/ftrandom/ftrandom.c

subprojects/dlg

EOF

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2006-Jan-27

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```
<signature of Ty Coon>, 1 April 1989
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1.92 Icms 2.15-r2

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- * [2013-03-04] Optimize AVX and FMA4 DGEMM on AMD Bulldozer
- * [2013-04-27] Optimize AVX and FMA4 TRSM on AMD Bulldozer
- * [2013-06-09] Optimize AVX and FMA4 SGEMM on AMD Bulldozer
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- * Build LAPACKE: C interface to LAPACK
- * Improve the windows build.
- * Chen Shaohu <huhumartinwar@gmail.com>
- * Optimize GEMV on the Loongson 3A processor.
- * Luo Wen
- * Intern. Test Level-2 BLAS.

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In chronological order:

- * pipping <<http://page.mi.fu-berlin.de/pipping>>
- * [2011-06-11] Make USE_OPENMP=0 disable openmp.
- * Stefan Karpinski <stefan@karpinski.org>
- * [2011-12-28] Fix a bug about SystemStubs on Mac OS X.
- * Alexander Eberspacher <<https://github.com/aegerspacher>>
- * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.
- * Mike Nolte <mike@nolte.net>
- * [2012-05-19] Fix building bug on FreeBSD and NetBSD.
- * Sylvestre Ledru <<https://github.com/sylvestre>>
- * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and kfreebsd.
- * Jameson Nash <<https://github.com/vtjnash>>
- * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.

- * Alexander Nasonov <alnsn@yandex.ru>
- * [2012-11-10] Fix NetBSD build.

- * Sbastien Villemot <sebastien@debian.org>
- * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.
- * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!

- * Kang-Che Sung <Explorer09@gmail.com>
- * [2013-05-17] Fix typo in the document. Re-order the architecture list in getarch.c.

- * Kenneth Hoste <kenneth.hoste@gmail.com>
- * [2013-05-22] Adjust Makefile about downloading LAPACK source files.

- * Lei WANG <https://github.com/wlbksy>
- * [2013-05-22] Fix a bug about wget.

- * Dan Luu <http://www.linkedin.com/in/danluu>
- * [2013-06-30] Add Intel Haswell support (using sandybridge optimizations).

- * grisuthedragon <https://github.com/grisuthedragon>
- * [2013-07-11] create openblas_get_parallel to retrieve information which parallelization model is used by OpenBLAS.

- * Elliot Saba <staticfloat@gmail.com>
- * [2013-07-22] Add in return value for `interface/trtri.c`

- * Sbastien Fabbro
- <bicatali@gentoo.org>
- * [2013-07-24] Modify makefile to respect user's LDFLAGS
- * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

- * Viral B. Shah <viral@mayin.org>
- * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340

- * Lars Buitinck <https://github.com/larsmans>
- * [2013-08-28] get rid of the generated cblas_noconst.h file
- * [2013-08-28] Missing threshold in gemm.c
- * [2013-08-28] fix default prefix handling in makefiles

- * yieldthought <https://github.com/yieldthought>
- * [2013-10-08] Remove -Wl,--retain-symbols-file from dynamic link line to fix tool support

- * Keno Fischer <https://github.com/loladiro>
- * [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

- * Christopher Meng <cickumqt@gmail.com>
- * [2013-12-09] Add DESTDIR support for easier building on RPM based distros.

Use install command instead of cp to install files with permissions control.

- * Lucas Beyer <lucasb.eyer.be@gmail.com>
 - * [2013-12-10] Added support for NO_SHARED in make install.

- * carlkl <<https://github.com/carlkl>>
 - * [2013-12-13] Fixed LAPACKE building bug on Windows

- * Isaac Dunham <<https://github.com/idunham>>
 - * [2014-08-03] Fixed link error on Linux/musl

- * Dave Nuechterlein
 - * [2014-10-10] trmm and sgemm kernels (optimized for APM's X-Gene 1).
ARMv8 support.

- * Jerome Robert <jeromerobert@gmx.com>
 - * [2015-01-01] Speed-up small `ger` and `gemv` using stack allocation (bug #478)
 - * [2015-12-23] `stack\_check` in `gemv.c` (bug #722)
 - * [2015-12-28] Allow to force the number of parallel make job
 - * [2015-12-28] Fix detection of AMD E2-3200 detection
 - * [2015-12-31] Let `make MAX\_STACK\_ALLOC=0` do what expected
 - * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
 - * [2016-01-24] Use `GEMM\_MULTITHREAD\_THRESHOLD` as a number of ops (bug #742)
 - * [2016-01-26] Let `openblas\_get\_num\_threads` return the number of active threads (bug #760)
 - * [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

- * Dan Kortschak
 - * [2015-01-07] Added test for drotmg bug #484.

- * Ton van den Heuvel <<https://github.com/ton>>
 - * [2015-03-18] Fix race condition during shutdown causing a crash in gotoblas_set_affinity().

- * Martin Koehler <<https://github.com/grisuthedragon/>>
 - * [2015-09-07] Improved imatcopy

- * Ashwin Sekhar T K <<https://github.com/ashwinyes/>>
 - * [2015-11-09] Assembly kernels for Cortex-A57 (ARMv8)
 - * [2015-11-20] lapack-test fixes for Cortex-A57
 - * [2016-03-14] Additional functional Assembly Kernels for Cortex-A57
 - * [2016-03-14] Optimize Dgemm 4x4 for Cortex-A57

- * theoractice <<https://github.com/theoractice/>>
 - * [2016-03-20] Fix compiler error in VisualStudio with CMake
 - * [2016-03-22] Fix access violation on Windows while static linking

- * Paul Mustire <<https://github.com/buffer51/>>
 - * [2016-02-04] Fix Android build on ARMV7

- * [2016-04-26] Android build with LAPACK for ARMV7 & ARMV8
- * Shivraj Patil <<https://github.com/sva-img/>>
- * [2016-05-03] DGEMM optimization for MIPS P5600 and I6400 using MSA
- * Kaustubh Raste <<https://github.com/ksraste/>>
- * [2016-05-09] DTRSM optimization for MIPS P5600 and I6400 using MSA
- * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA
- * Abdelrauf <<https://github.com/quickwritereader>>
- * [2017-01-01] dgemm and dtrmm kernels for IBM z13
- * [2017-02-26] ztrmm kernel for IBM z13
- * [2017-03-13] strmm and ctrmm kernel for IBM z13
- * [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
- * [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes
- * [2019-02-01] added missing Blas Level-1,2 (single precision) simd codes
- * [2019-03-14] power9 dgemm/dtrmm kernel
- * [2019-04-29] power9 sgemm/strmm kernel
- * Jiachen Wang <<https://github.com/wjc404>>
- * [2019-07-29] optimize AVX2 DGEMM
- * [2019-10-20] AVX512 DGEMM kernel (4x8)
- * [2019-11-06] optimize AVX512 SGEMM
- *
- [2019-11-12] AVX512 CGEMM & ZGEMM kernels
- * [2019-12-23] optimize AVX2 CGEMM and ZGEMM
- * [2019-12-30] AVX2 CGEMM3M & ZGEMM3M kernels
- * [2020-01-07] optimize AVX2 SGEMM and STRMM
- * Rajalakshmi Srinivasaraghavan <<https://github.com/RajalakshmiSR>>
- * [2020-04-15] Half-precision GEMM for bfloat16
- * Marius Hillenbrand <<https://github.com/mhillenibm>>
- * [2020-05-12] Revise dynamic architecture detection for IBM z
- * [2020-05-12] Add new sgemm and strmm kernel for IBM z14
- * [2020-09-07] Fix builds with clang on IBM z, including dynamic architecture support
- * Danfeng Zhang <<https://github.com/craft-zhang>>
- * [2020-05-20] Improve performance of SGEMM and STRMM on Arm Cortex-A53
- * PingTouGe Semiconductor Co., Ltd.
- * [2020-10] Add RISC-V Vector (0.7.1) support. Optimize BLAS kernels for Xuantie C910
- * River Dillon <oss@outerpassage.net>
- * [2021-07-10] fix compilation with musl libc
- * Bine Brank <<https://github.com/binebrank>>

- * [2021-10-27] Add vector-length-agnostic DGEMM kernels for Arm SVE
- * [2021-11-20] Vector-length-agnostic Arm SVE copy routines for DGEMM, DTRMM, DSYMM
- * [2021-11-12] SVE kernels for SGEMM, STRMM and corresponding SVE copy functions
- * [2022-01-06] SVE kernels for CGEMM, ZGEMM, CTRMM, ZTRMM and corresponding SVE copy functions
- * [2022-01-18] SVE kernels and copy functions for TRSM

- * Ilya Kurdyukov <<https://github.com/ilyakurdyukov>>
- * [2021-02-21] Add basic support for the Elbrus E2000 architecture

- * PLCT Lab, Institute of Software Chinese Academy of Sciences
- * [2022-03] Support RISC-V Vector Intrinisc 1.0 version.

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1.98 libxext 1.3.5-r2

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* [2013-04-27] Optimize AVX and FMA4 TRSM on AMD Bulldozer

* [2013-06-09] Optimize AVX and FMA4 SGEMM on AMD Bulldozer

* [2013-06-11] Optimize AVX and FMA4 ZGEMM on AMD Bulldozer

* [2013-06-12] Optimize AVX and FMA4 CGEMM on AMD Bulldozer

* [2013-06-16] Optimize dgemv_n kernel on AMD Bulldozer

* [2013-06-20] Optimize ddot, daxpy kernel on AMD Bulldozer

* [2013-06-21] Optimize dcopy kernel on AMD Bulldozer

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* Optimization on AMD Piledriver

* Optimization on Intel Haswell

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* Improve the windows build.

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* Optimize GEMV on the Loongson 3A processor.

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 - * [2011-06-11] Make USE_OPENMP=0 disable openmp.
- * Stefan Karpinski <stefan@karpinski.org>
 - * [2011-12-28] Fix a bug about SystemStubs on Mac OS X.
- * Alexander Eberspacher <<https://github.com/aeberspacher>>
 - * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.
- * Mike Nolta <mike@nolta.net>
 - * [2012-05-19] Fix building bug on FreeBSD and NetBSD.
- * Sylvestre Ledru <<https://github.com/sylvestre>>
 - * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and kfreebsd.
- * Jameson Nash <<https://github.com/vtjnash>>
 - * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.
- * Alexander Nasonov <alnsn@yandex.ru>
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- * Sbastien Villemot <sebastien@debian.org>
 - * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.
 - * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!
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 - * [2013-05-17] Fix typo in the document. Re-order the architecture list in getarch.c.
- * Kenneth Hoste <kenneth.hoste@gmail.com>
 - * [2013-05-22] Adjust Makefile about downloading LAPACK source files.
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 - * [2013-05-22] Fix a bug about wget.
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 - * [2013-07-22] Add in return value for `interface/trtri.c`

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- * [2013-07-24] Modify makefile to respect user's LDFLAGS
- * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

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- * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340

- * Lars Buitinck <<https://github.com/larsmans>>
- * [2013-08-28] get rid of the generated cblas_noconst.h file
- * [2013-08-28] Missing threshold in gemm.c
- * [2013-08-28] fix default prefix handling in makefiles

- * yieldthought <<https://github.com/yieldthought>>
- * [2013-10-08] Remove -Wl,--retain-symbols-file from dynamic link line to fix tool support

- * Keno Fischer <<https://github.com/loladiro>>
- * [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

- * Christopher Meng <cickumqt@gmail.com>
- * [2013-12-09] Add DESTDIR support for easier building on RPM based distros.
Use install command instead of cp to install files with permissions control.

- * Lucas Beyer <lucasb.eyer.be@gmail.com>
- * [2013-12-10] Added support for NO_SHARED in make install.

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- * [2014-08-03] Fixed link error on Linux/musl

- * Dave Nuechterlein
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ARMv8 support.

- * Jerome Robert <jeromerobert@gmx.com>
- * [2015-01-01] Speed-up small `ger` and `gemv` using stack allocation (bug #478)
- * [2015-12-23] `stack\_check` in `gemv.c` (bug #722)
- * [2015-12-28] Allow to force the number of parallel make job
- * [2015-12-28] Fix detection of AMD E2-3200 detection
- * [2015-12-31] Let `make MAX\_STACK\_ALLOC=0` do what expected
- * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
- * [2016-01-24] Use `GEMM\_MULTITHREAD\_THRESHOLD` as a number of ops (bug #742)
- * [2016-01-26] Let `openblas\_get\_num\_threads` return the number of active threads (bug #760)
- * [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

- * Dan Kortschak
- * [2015-01-07] Added test for drotmg bug #484.

- * Ton van den Heuvel <<https://github.com/ton>>
- * [2015-03-18] Fix race condition during shutdown causing a crash in gotoblas_set_affinity().

- * Martin Koehler <<https://github.com/grisuthedragon/>>
- * [2015-09-07] Improved imatcopy

- * Ashwin Sekhar T K <<https://github.com/ashwinyes/>>
- * [2015-11-09] Assembly kernels for Cortex-A57 (ARMv8)
- * [2015-11-20] lapack-test fixes for Cortex-A57
- * [2016-03-14] Additional functional Assembly Kernels for Cortex-A57
- * [2016-03-14] Optimize Dgemm 4x4 for Cortex-A57

- * theoractice <<https://github.com/theoractice/>>
- * [2016-03-20] Fix compiler error in VisualStudio with CMake
- * [2016-03-22] Fix access violation on Windows while static linking

- * Paul Mustire <<https://github.com/buffer51/>>
- * [2016-02-04] Fix Android build on ARMV7
- * [2016-04-26] Android build with LAPACK for ARMV7 & ARMV8

- * Shivraj Patil <<https://github.com/sva-img/>>
- * [2016-05-03] DGEMM optimization for MIPS P5600 and I6400 using MSA

- * Kaustubh Raste <<https://github.com/ksraste/>>
- * [2016-05-09] DTRSM optimization for MIPS P5600 and I6400 using MSA
- * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

- * Abdelrauf <<https://github.com/quickwritereader>>
- * [2017-01-01] dgemm and dtrmm kernels for IBM z13
- * [2017-02-26] ztrmm kernel for IBM z13
- * [2017-03-13] strmm and ctrmm kernel for IBM z13
- * [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
- * [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes
- * [2019-02-01] added missing Blas Level-1,2 (single precision) simd codes
- * [2019-03-14] power9 dgemm/dtrmm kernel
- * [2019-04-29] power9 sgemm/strmm kernel

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- * [2019-10-20] AVX512 DGEMM kernel (4x8)
- * [2019-11-06] optimize AVX512 SGEMM
- *
- [2019-11-12] AVX512 CGEMM & ZGEMM kernels
- * [2019-12-23] optimize AVX2 CGEMM and ZGEMM

- * [2019-12-30] AVX2 CGEMM3M & ZGEMM3M kernels
- * [2020-01-07] optimize AVX2 SGEMM and STRMM

- * Rajalakshmi Srinivasaraghavan <<https://github.com/RajalakshmiSR>>
- * [2020-04-15] Half-precision GEMM for bfloat16

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- * [2020-05-12] Revise dynamic architecture detection for IBM z
- * [2020-05-12] Add new sgemm and strmm kernel for IBM z14
- * [2020-09-07] Fix builds with clang on IBM z, including dynamic architecture support

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- * [2020-05-20] Improve performance of SGEMM and STRMM on Arm Cortex-A53

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- * [2021-07-10] fix compilation with musl libc

- * Bine Brank <<https://github.com/binebrank>>
- * [2021-10-27] Add vector-length-agnostic DGEMM kernels for Arm SVE
- * [2021-11-20] Vector-length-agnostic Arm SVE copy routines for DGEMM, DTRMM, DSYMM
- * [2021-11-12] SVE kernels for SGEMM, STRMM and corresponding SVE copy functions
- * [2022-01-06] SVE kernels for CGEMM, ZGEMM, CTRMM, ZTRMM and corresponding SVE copy functions
- * [2022-01-18] SVE kernels and copy functions for TRSM

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- * [2022-08] Fix building from sources for QNX

1.101 xz 5.4.3-r1

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=====

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1.102 mkfontscale 1.2.2-r3

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1.103 libfontenc 1.1.7-r2

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1.104 gcompat 1.1.0-r1

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1.105 musl-obstack 1.2.3-r2

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1.106 gettext 0.21.1-r7

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

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Whether that is true depends on what the Program does.

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

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Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

@end enumerate

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

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

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@heading Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

@smallexample
@var{one line to give the program's name
and a brief idea of what it does.}
Copyright (C) @var{yyyy} @var{name of author}

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.

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@end smallexample

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

@smallexample
Gnomovision version
69, Copyright (C) @var{year} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, the
commands you use may be called something other than @samp{show w} and
@samp{show c}; they could even be mouse-clicks or menu items---whatever
suits your program.

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

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice
@end example

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The gettext-runtime package is partially under the LGPL and partially under the GPL.

The following parts are under the LGPL, see file intl/COPYING.LIB:

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

The following parts are under the GPL, see file COPYING in the toplevel directory:

- the _programs_ gettext, ngettext, envsubst,
- the documentation.

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Finally,
software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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"Source code" for a work means the preferred form of the work for

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) 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 three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the

Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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1.107 nspr 4.35-r2

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1.110 openssl 1.1.1u-r1

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\$Id\$

1.118 util-linux 2.38.1-r8

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1.124 jboss-connector-api-1-7-spec

1.0.0.Final-redhat-1

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 */
```

Found in path(s):

```
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/Record.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ConnectionFactory.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ManagedConnection.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/UnavailableException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/MappedRecord.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/security/PasswordCredential.java
```

* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/TransactionContext.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/Interaction.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ResourceAllocationException.java
 *
 /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConnectionRequestInfo.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/LazyEnlistableManagedConnection.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConnectionEventListener.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/LazyEnlistableConnectionManager.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConnectionEvent.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/NotSupportedException.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/LocalTransaction.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/HintsContext.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ValidatingManagedConnectionFactory.java
 *
 /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/InteractionSpec.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ConnectionSpec.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/DissociatableManagedConnection.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/LazyAssociatableConnectionManager.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/SecurityPermission.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/DistributableWorkManager.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ResourceAdapterInternalException.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/Work.java
 *
 /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/IllegalStateException.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/MessageListener.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/RetryableException.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkContext.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkListener.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ResultSet.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/Connection.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/RetryableUnavailableException.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/CommException.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ManagedConnectionFactory.java
 *
 /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/AuthenticationMechanism.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/Streamable.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/TransactionSupport.java
 * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-


```

jar/javax/resource/spi/work/WorkContextErrorCodes.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ActivationSpec.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkEvent.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConnectionDefinition.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ResourceAdapterMetaData.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkAdapter.java
*
/jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/endpoint/MessageEndpointFactory.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/work/WorkRejectedException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/Activation.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConnectionDefinitions.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/XATerminator.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/ApplicationServerInternalException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/Connector.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/AdministeredObject.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/SecurityContext.java
*
/jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ResourceAdapterAssociation.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ResultSetInfo.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkContextProvider.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/work/RetryableWorkRejectedException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/IndexedRecord.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConnectionManager.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ResourceWarning.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/ManagedConnectionMetaData.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/Referenceable.java
*
/jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/InvalidPropertyException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/LocalTransactionException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ResourceAdapter.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/ResourceException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/SecurityException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/work/WorkContextLifecycleListener.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkManager.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/SharingViolationException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/ConnectionMetaData.java
*
/jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-
jar/javax/resource/spi/work/WorkCompletedException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/DistributableWork.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/EISSystemException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/ExecutionContext.java

```

```
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/work/WorkException.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/security/GenericCredential.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/LocalTransaction.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/endpoint/MessageEndpoint.java
* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/BootstrapContext.java
*
```

```
/jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/cci/RecordFactory.java
```

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```
*/
```

```
/**
```

```
 * Indicates that the configuration property is confidential and
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```

```
*/
```

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* /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/spi/ConfigProperty.java
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- * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/ConnectionFactoryDefinitions.java
- * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/AdministeredObjectDefinitions.java
- * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/ConnectionFactoryDefinition.java
- * /jboss-connector-api-1-7-spec-1-0-0-final-redhat-1-sources-jar/javax/resource/AdministeredObjectDefinition.java

1.125 jboss-threads 2.2.1.Final-redhat-1

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* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/JBossScheduledThreadPoolExecutor.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadCreationException.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingBlockingExecutor.java

* /jboss-threads-2-2-1-final-redhat-1-sources-

jar/org/jboss/threads/management/BoundedQueueThreadPoolExecutorMBean.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingDirectBlockingExecutor.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ExecutionTimedOutException.java

* /jboss-threads-2-2-1-final-redhat-1-sources-

jar/org/jboss/threads/management/BoundedThreadPoolExecutorMBean.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/management/ThreadExecutorMBean.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/UninterruptibleExecutor.java

*

/jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/StoppedExecutorException.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/BlockingExecutor.java

* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/JBossThreadPoolExecutor.java

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* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingDirectExecutor.java

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* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ArrayQueue.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DirectExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/QueueExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingDirectExecutorService.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DirectExecutorService.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/JBossThread.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/InterruptHandler.java
*
/jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingExecutorService.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingScheduledExecutorService.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/JBossThreadFactory.java
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* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/HandoffRejectedExecutionHandler.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/WrappingThreadFactory.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/QueuelessExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ContextClassLoaderExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingWrappedExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/BalancingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/Dependency.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ContextClassLoaderSavingRunnable.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadLocalResetter.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadFormattedNameExecutor.java

```

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*
/jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DiscardingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/PrivilegedExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingWrappingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadNameExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/RejectingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/WrappingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/CleanupExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/CompositeTask.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/NotifyingDirectExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/InitializingExecutor.java
*
/jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/TaskNotifier.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ExceptionLoggingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/management/ThreadPoolExecutorMBean.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/SimpleDirectExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ExecutorTask.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/LoggingUncaughtExceptionHandler.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/SimpleLock.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadNameNotatingExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadFactoryExecutor.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DependencyTaskBuilder.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ExecutionInterruptedException.java
*
/jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/AtomicArray.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/NullRunnable.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ThreadNameInfo.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/NotifyingRunnable.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingRunnable.java
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/**

* Create a direct executor which delegates tasks to the given executor, and then clears all thread-local
* data after each task completes (regardless of outcome). You must have the {@link
RuntimePermission}{@code ("modifyThread")}

* permission to use this method.

*

* @param delegate the delegate direct executor

* @return a resetting executor

* @throws SecurityException if the caller does not have the {@link RuntimePermission}{@code
("modifyThread")} permission

*/

/**

* Create a thread factory which resets all thread-local storage and delegates to the given thread factory.

* You must have the {@link RuntimePermission}{@code ("modifyThread")} permission to use this method.

*

* @param delegate the delegate thread factory

```

* @return the resetting thread factory
* @throws SecurityException if the caller does not have the {@link
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```

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* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/AsyncCancellable.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/ShutdownListenable.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/EventListener.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/DelegatingBlockingExecutorService.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/BlockingExecutorService.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/AsyncFuture.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/SimpleShutdownListenable.java
* /jboss-threads-2-2-1-final-redhat-1-sources-jar/org/jboss/threads/AsyncFutureTask.java

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1.126 libpkit 0.24.1-r2

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1.127 busybox 1.36.1-r7

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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1.129 python-setuptools 65.5.0

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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```
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```

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`validate-pyproject`

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1.130 libffi 3.4.4-r2

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1.131 python-certifi 2022.12.07

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v

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1.132 python-pip 22.3.1

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A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived	Year	Owner	GPL-

from		compatible? (1)		
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes

2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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1.133 pyrsistent 0.20.0

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1.134 msgpack 1.0.4

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1.139 scipy 1.10.0

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Date: Wed, Jul 22, 2020 at 8:54 PM
Subject: Re: Add BiasedUrn to SciPy?
To: Matt Haberland <mhaberla@calpoly.edu>
Cc: Warren Weckesser <warren.weckesser@gmail.com>

Dear Matt The C++ code for these distributions without binding to the R project are available here:

<https://www.agner.org/random/stocc.zip>

You have my permission to use it in SciPy under the new BSD license.

Best regards,
Agner Fog

On 22/07/2020 17.05, Matt Haberland wrote:

Hi Agner, I'm a maintainer of the Python scientific computing library SciPy, and I'm working on improving the capabilities of our statistics subpackage scipy.stats. We'd like to add both Fisher's and Wallenius' noncentral hypergeometric distributions, but these look quite challenging to implement. We found your BiasedUrn package, and we'd love to wrap it, but we can't

include GPL-3 licensed code under our BSD-new license. Would you consider re-licensing BiasedUrn under a more permissive license, such as BSD-new or MIT, so we can include it in SciPy? Thank you for considering it!
Matt

--
Matt Haberland
Assistant Professor
BioResource and Agricultural Engineering
08A-3K, Cal Poly

This version obtained on 1 Jun 84 from (kahaner@nbs-sdc)
David K. Kahaner
Scientific Computing Division
National Bureau of Standards
Washington DC 20234

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The C version was initially converted via f2c and then cleaned up and

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Name: GCC runtime library

Files: .libs/libgfortran*.so

Description: dynamically linked to files compiled with gcc

Availability: <https://gcc.gnu.org/viewcvs/gcc/>

License: GPLv3 + runtime exception

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This binary distribution of SciPy also bundles the following software:

Name: OpenBLAS
Files: extra-dll\libopenb*.dll
Description: bundled as a dynamically linked library
Availability: <https://github.com/xianyi/OpenBLAS/>
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Name: LAPACK

Files: extra-dll\libopenb*.dll

Description: bundled in OpenBLAS

Availability: <https://github.com/xianyi/OpenBLAS/>

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Name: GCC runtime library

Files: extra-dll*.dll

Description: statically linked, in DLL files compiled with gfortran only

Availability: <https://gcc.gnu.org/viewcvs/gcc/>

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Version 3.1, 31 March 2009

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1.140 attrs 23.2.0

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Both were inspired by Twisted

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1.141 more-itertools 10.2.0

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1.142 zlib 1.2.3

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1.143 zlib 1.2.8

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1.144 zlib 1.2.5

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version 1.2.5, April 19th, 2010

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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1.145 openssl 3.1.4-r5

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1.146 pytz 2024.1

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1.150 cryptography 42.0.5

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```



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# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#
use Encode;
use Getopt::Std;
use MIME::Base64;
use strict;
use warnings;
use vars qw($opt_b $opt_d $opt_f $opt_h $opt_i $opt_k $opt_l $opt_m $opt_n $opt_p $opt_q $opt_s $opt_t $opt_u
$opt_v $opt_w);
use List::Util;
use Text::Wrap;
use Time::Local;
my $MOD_SHA = "Digest::SHA";
eval "require
$MOD_SHA";
if ($@) {
$MOD_SHA = "Digest::SHA::PurePerl";
eval "require $MOD_SHA";
}
eval "require LWP::UserAgent";

my %urls = (
'nss' =>

```

```

'https://hg.mozilla.org/projects/nss/raw-file/default/lib/ckfw/builtins/certdata.txt',
'central' =>
'https://hg.mozilla.org/mozilla-central/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'beta' =>
'https://hg.mozilla.org/releases/mozilla-beta/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'release' =>
'https://hg.mozilla.org/releases/mozilla-release/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
);

$opt_d = 'release';

# If the OpenSSL commandline is not in search path you can configure it here!
my $openssl = 'openssl';

my $version = '1.27';

$opt_w = 76; # default base64 encoded lines length

# default cert types to include in the output (default is to include CAs which may issue SSL server certs)
my $default_mozilla_trust_purposes = "SERVER_AUTH";
my $default_mozilla_trust_levels
= "TRUSTED_DELEGATOR";
$opt_p = $default_mozilla_trust_purposes . ":" . $default_mozilla_trust_levels;

my @valid_mozilla_trust_purposes = (
    "DIGITAL_SIGNATURE",
    "NON_REPUDIATION",
    "KEY_ENCIPHERMENT",
    "DATA_ENCIPHERMENT",
    "KEY_AGREEMENT",
    "KEY_CERT_SIGN",
    "CRL_SIGN",
    "SERVER_AUTH",
    "CLIENT_AUTH",
    "CODE_SIGNING",
    "EMAIL_PROTECTION",
    "IPSEC_END_SYSTEM",
    "IPSEC_TUNNEL",
    "IPSEC_USER",
    "TIME_STAMPING",
    "STEP_UP_APPROVED"
);

my @valid_mozilla_trust_levels = (
    "TRUSTED_DELEGATOR", # CAs
    "NOT_TRUSTED",      # Don't trust these certs.
    "MUST_VERIFY_TRUST", # This explicitly tells us that it ISN'T a CA but is otherwise ok. In other words, this
                        # should tell the app to ignore any other sources that claim this is a CA.

```

```

"TRUSTED"          # This cert is trusted, but only for itself and not for delegates (i.e. it is not a CA).
);

my $default_signature_algorithms = $opt_s = "MD5";

my @valid_signature_algorithms = (
    "MD5",
    "SHA1",
    "SHA256",
    "SHA384",
    "SHA512"
);

$0 =~ s@.*(\/\\)@@;
$Getopt::Std::STANDARD_HELP_VERSION = 1;
getopts('bd:fhiklmnp:qs:tuvw:');

if(!defined($opt_d)) {
    # to make plain "-d" use not cause warnings, and actually still work
    $opt_d = 'release';
}

# Use predefined URL or else custom URL specified on command line.
my $url;
if(defined($urls{$opt_d})) {
    $url = $urls{$opt_d};
    if(!$opt_k && $url !~ /^https:\/\/i/) {
        die "The URL for '$opt_d' is not HTTPS. Use -k to override (insecure).\n";
    }
}
else {
    $url = $opt_d;
}

my $curl = `curl -V`;

if ($opt_i) {
    print ("=" x 78 . "\n");
    print "Script Version      : $version\n";
    print "Perl Version           : $]\n";
    print "Operating System Name    : $^O\n";
    print "Getopt::Std.pm Version    : ${Getopt::Std::VERSION}\n";
    print "Encode::Encoding.pm Version : ${Encode::Encoding::VERSION}\n";
    print "MIME::Base64.pm Version   : ${MIME::Base64::VERSION}\n";
    print "LWP::UserAgent.pm
Version      : ${LWP::UserAgent::VERSION}\n" if($LWP::UserAgent::VERSION);
    print "LWP.pm Version      : ${LWP::VERSION}\n" if($LWP::VERSION);
    print "Digest::SHA.pm Version : ${Digest::SHA::VERSION}\n" if ($Digest::SHA::VERSION);

```

```

print "Digest::SHA::PurePerl.pm Version : ${Digest::SHA::PurePerl::VERSION}\n" if
($Digest::SHA::PurePerl::VERSION);
print ("=" x 78 . "\n");
}

sub warning_message() {
if ( $opt_d =~ m/^risk$/i ) { # Long Form Warning and Exit
    print "Warning: Use of this script may pose some risk:\n";
    print "\n";
    print " 1) If you use HTTP URLs they are subject to a man in the middle attack\n";
    print " 2) Default to 'release', but more recent updates may be found in other trees\n";
    print " 3) certdata.txt file format may change, lag time to update this script\n";
    print " 4) Generally unwise to blindly trust CAs without manual review & verification\n";
    print " 5) Mozilla apps use additional security
checks aren't represented in certdata\n";
    print " 6) Use of this script will make a security engineer grind his teeth and\n";
    print "    swear at you. ;)\n";
    exit;
} else { # Short Form Warning
    print "Warning: Use of this script may pose some risk, -d risk for more details.\n";
}
}

sub HELP_MESSAGE() {
    print "Usage:\t${0} [-b] [-d<certdata>] [-f] [-i] [-k] [-l] [-n] [-p<purposes:levels>] [-q] [-s<algorithms>] [-t] [-u] [-v] [-w<l>] [<outputfile>]\n";
    print "\t-b\tbackup an existing version of ca-bundle.crt\n";
    print "\t-d\tspecify Mozilla tree to pull certdata.txt or custom URL\n";
    print "\t\t Valid names are:\n";
    print "\t\t ", join( " ", map { ( $_ =~ m/$opt_d/ ) ? "$_ (default)" : "$_" } sort keys %urls ), "\n";
    print "\t-f\tforce rebuild even if certdata.txt is current\n";
    print "\t-i\tprint version info about used modules\n";
    print "\t-k\tallow URLs other than HTTPS, enable HTTP fallback (insecure)\n";
    print "\t-l\tprint license info
about certdata.txt\n";
    print "\t-m\tinclude meta data in output\n";
    print "\t-n\tno download of certdata.txt (to use existing)\n";
    print wrap("\t\t", "\t\t", "-p\tlist of Mozilla trust purposes and levels for certificates to include in output. Takes the
form of a comma separated list of purposes, a colon, and a comma separated list of levels. (default:
$default_mozilla_trust_purposes:$default_mozilla_trust_levels)", "\n");
    print "\t\t Valid purposes are:\n";
    print wrap("\t\t ", "\t\t ", join( " ", "ALL", @valid_mozilla_trust_purposes ) ), "\n";
    print "\t\t Valid levels are:\n";
    print wrap("\t\t ", "\t\t ", join( " ", "ALL", @valid_mozilla_trust_levels ) ), "\n";
    print "\t-q\tbe really quiet (no progress output at all)\n";
    print wrap("\t\t", "\t\t", "-s\tcomma separated list of certificate signatures/ hashes to output in plain text mode. (default:
$default_signature_algorithms)\n");
    print "\t\t Valid signature algorithms are:\n";

```

```

print wrap("\t\t  ", "\t\t
", join( " ", "ALL", @valid_signature_algorithms ) ), "\n";
print "\t\t\tinclude plain text listing of certificates\n";
print "\t-u\tunlink (remove) certdata.txt after processing\n";
print "\t-v\tbe verbose and print out processed CAs\n";
print "\t-w <l>\twrap base64 output lines after <l> chars (default: ${opt_w})\n";
exit;
}

sub VERSION_MESSAGE() {
    print "${0} version ${version} running Perl ${}] on ${^O}\n";
}

warning_message() unless ($opt_q || $url =~ m/^(ht|f)tps:/i );
HELP_MESSAGE() if ($opt_h);

sub report($@) {
    my $output = shift;

    print STDERR $output . "\n" unless $opt_q;
}

sub is_in_list($@) {
    my $target = shift;

    return defined(List::Util::first { $target eq $_ } @_);
}

# Parses $param_string as a case insensitive comma separated list with optional whitespace
# validates that only allowed parameters are supplied
sub parse_csv_param($$@) {
    my $description = shift;
    my $param_string = shift;
    my @valid_values = @_;

    my @values = map {
        s/^\s+//; # strip leading spaces
        s/\s+$//; # strip trailing spaces
        uc $_     # return the modified string as upper case
    } split( ',', $param_string );

    # Find all values which are not in the list of valid values or "ALL"
    my @invalid = grep { !is_in_list($_, "ALL", @valid_values) } @values;

    if ( scalar(@invalid) > 0 ) {
        # Tell the user which parameters were invalid and print the standard help message which will exit
        print "Error: Invalid ", $description, scalar(@invalid) == 1 ? ": " : "s: ", join( " ", map { "\"$_\"" } @invalid ),
        "\n";
    }
}

```

```

    HELP_MESSAGE();
}

@values = @valid_values if ( is_in_list("ALL",@values) );

return @values;
}

sub sha256 {
    my $result;
    if ($Digest::SHA::VERSION || $Digest::SHA::PurePerl::VERSION) {
        open(FILE, $_[0]) or die "Can't open '$_[0]': $!";
        binmode(FILE);
        $result = $MOD_SHA->new(256)->addfile(*FILE)->hexdigest;
        close(FILE);
    } else {
        # Use OpenSSL command if Perl Digest::SHA modules not available
        $result = `"$openssl" dgst -r -sha256 "$_[0]"`;
        $result =~ s/^\s*([0-9a-f]{64})\s*/$1/is;
    }
    return $result;
}

sub oldhash {
    my $hash = "";
    open(C, "<$_[0]>") || return 0;
    while(<C>) {
        chomp;
        if($_ =~ /\#\# SHA256: (.*)/) {
            $hash = $1;
            last;
        }
    }
    close(C);
    return $hash;
}

if ( $opt_p !~ m:/ / ) {
    print "Error: Mozilla trust identifier list must include both purposes and levels\n";
    HELP_MESSAGE();
}

(my $included_mozilla_trust_purposes_string, my $included_mozilla_trust_levels_string) = split( ':', $opt_p );
my @included_mozilla_trust_purposes = parse_csv_param( "trust purpose",
$included_mozilla_trust_purposes_string, @valid_mozilla_trust_purposes );
my @included_mozilla_trust_levels = parse_csv_param( "trust level", $included_mozilla_trust_levels_string,
@valid_mozilla_trust_levels );

```

```

my @included_signature_algorithms = parse_csv_param( "signature algorithm", $opt_s,
@valid_signature_algorithms );

sub should_output_cert(%) {
    my
    %trust_purposes_by_level = @_;

    foreach my $level (@included_mozilla_trust_levels) {
        # for each level we want to output, see if any of our desired purposes are included
        return 1 if ( defined( List::Util::first { is_in_list( $_, @included_mozilla_trust_purposes ) }
@{$trust_purposes_by_level{$level}} ) );
    }

    return 0;
}

my $crt = $ARGV[0] || 'ca-bundle.crt';
(my $txt = $url) =~ s@(.*/|/?.*)@@g;

my $stdout = $crt eq '-';
my $resp;
my $fetched;

my $oldhash = oldhash($crt);

report "SHA256 of old file: $oldhash";

if(!$opt_n) {
    report "Downloading $txt ...";

    # If we have an HTTPS URL then use curl
    if($url =~ /^https:\//i) {
        if($curl) {
            if($curl =~ /^Protocols:.* https( |$)/m) {
                report "Get certdata with curl!";
                my $proto = !$opt_k ? "--proto =https" : "";
                my $quiet = $opt_q ? "-s" : "";
                my @out = `curl -w %{response_code} $proto $quiet -o "$txt" "$url"`;
                if(!$? && @out && $out[0] == 200) {
                    $fetched = 1;
                    report "Downloaded $txt";
                }
            }
            else {
                report "Failed downloading via HTTPS with curl";
                if(-e $txt && !unlink($txt)) {
                    report "Failed to remove '$txt': $!";
                }
            }
        }
    }
}

```

```

    }
  }
  else {
    report "curl lacks https support";
  }
}
else {
  report "curl not found";
}
}

# If nothing was fetched then use LWP
if(!$fetched) {
  if($url =~ /^https:\:\/\/i) {
    report "Falling back to HTTP";
    $url =~ s/^https:\:\/\/http:\:\/\/i;
  }
  if(!$opt_k) {
    report "URLs other than HTTPS are disabled by default, to enable use -k";
    exit 1;
  }
  report "Get certdata with LWP!";
  if(!defined(${LWP::UserAgent::VERSION})) {
    report "LWP is not available (LWP::UserAgent not found)";
    exit 1;
  }
  my $ua = new LWP::UserAgent(agent => "$0/$version");
  $ua->env_proxy();
  $resp = $ua->mirror($url, $txt);
  if($resp && $resp->code eq '304') {
    report "Not modified";
    exit 0 if -e $crt && !$opt_f;
  }
  else {
    $fetched = 1;
    report "Downloaded $txt";
  }
  if(!$resp || $resp->code !~ /^(?:200|304)$/) {
    report "Unable to download latest data: "
      . ($resp? $resp->code . ' - ' . $resp->message : "LWP failed");
    exit 1 if -e $crt || ! -r $txt;
  }
}
}

my $filedate = $resp ? $resp->last_modified : (stat($txt))[9];
my $datesrc = "as of";
if(!$filedate) {

```



```

# mxr.mozilla.org gave us a time, hg.mozilla.org does not!
$filedate = time();
$datesrc="downloaded on";
}

# get the hash from the download file
my $newhash= sha256($txt);

if(!$opt_f && $oldhash eq $newhash) {
    report "Downloaded file identical to previous run's source file. Exiting";
    if($opt_u && -e $txt && !unlink($txt)) {
        report "Failed to remove $txt: $!\n";
    }
    exit;
}

report "SHA256 of new file: $newhash";

my $currentdate = scalar gmtime($filedate);

my $format = $opt_t ? "plain text and " : "";
if( $stdout
) {
    open(CRT, '> -') or die "Couldn't open STDOUT: $!\n";
} else {
    open(CRT,">$crt.~") or die "Couldn't open $crt.~: $!\n";
}
print CRT <<EOT;
##
## Bundle of CA Root Certificates
##
## Certificate data from Mozilla ${datesrc}: ${currentdate} GMT
##
## This is a bundle of X.509 certificates of public Certificate Authorities
## (CA). These were automatically extracted from Mozilla's root certificates
## file (certdata.txt). This file can be found in the mozilla source tree:
## ${url}
##
## It contains the certificates in ${format}PEM format and therefore
## can be directly used with curl / libcurl / php_curl, or with
## an Apache+mod_ssl webserver for SSL client authentication.
## Just configure this file as the SSLCACertificateFile.
##
## Conversion done with mk-ca-bundle.pl version $version.
## SHA256: $newhash
##

EOT

```

```

report "Processing '$txt' ...";
my $scaname;
my $certnum = 0;
my $skipnum = 0;
my $start_of_cert = 0;
my @precert;
my $cka_value;
my $valid = 1;

open(TXT,"$txt")
or die "Couldn't open $txt: $!\n";
while (<TXT>) {
if (/^*\*\*\*\* BEGIN LICENSE BLOCK \*\*\*\*\*/) {
    print CRT;
    print if ($opt_l);
    while (<TXT>) {
        print CRT;
        print if ($opt_l);
        last if (/^*\*\*\*\* END LICENSE BLOCK \*\*\*\*\*/);
    }
}
elseif(/^# (Issuer|Serial Number|Subject|Not Valid Before|Not Valid After |Fingerprint \(\MD5\)|Fingerprint
\(\SHA1\)):/) {
    push @precert, $_;
    $valid = 1;
    next;
}
elseif(/^#|^\s*$/) {
    undef @precert;
    next;
}
}
chomp;

# Example:
# CKA_NSS_SERVER_DISTRUST_AFTER MULTILINE_OCTAL
# \062\060\060\066\061\067\060\060\060\060\060\132
# END

if (/^CKA_NSS_SERVER_DISTRUST_AFTER (CK_BBOOL CK_FALSE|MULTILINE_OCTAL)/) {
    if($1 eq "MULTILINE_OCTAL") {
        my @timestamp;
        while (<TXT>) {
            last if (/^END/);
            chomp;
            my @octets = split(/\v/);
            shift @octets;
            for (@octets) {

```

```

        push
    @timestamp, chr(oct);
    }
}
# A trailing Z in the timestamp signifies UTC
if($timestamp[12] ne "Z") {
    report "distrust date stamp is not using UTC";
}
# Example date: 200617000000Z
# Means 2020-06-17 00:00:00 UTC
my $distrustat =
    timegm($timestamp[10] . $timestamp[11], # second
           $timestamp[8] . $timestamp[9], # minute
           $timestamp[6] . $timestamp[7], # hour
           $timestamp[4] . $timestamp[5], # day
           ($timestamp[2] . $timestamp[3]) - 1, # month
           "20" . $timestamp[0] . $timestamp[1]); # year
if(time >= $distrustat) {
    # not trusted anymore
    $skipnum++;
    report "Skipping: $scaname is not trusted anymore" if ($opt_v);
    $valid = 0;
}
else {
    # still trusted
}
}
next;
}

```

```

# this
is a match for the start of a certificate
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE/) {
    $start_of_cert = 1
}
if ($start_of_cert && /^CKA_LABEL UTF8 \"(.*)\"/) {
    $scaname = $1;
}
my %trust_purposes_by_level;
if ($start_of_cert && /^CKA_VALUE MULTILINE_OCTAL/) {
    $cka_value="";
    while (<TXT>) {
        last if (/^END/);
        chomp;
        my @octets = split(/\n/);
        shift @octets;
        for (@octets) {
            $cka_value .= chr(oct);
        }
    }
}

```

```

    }
  }
}
if(/^CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST/ && $valid) {
  # now scan the trust part to determine how we should trust this cert
  while (<TXT>) {
    last if (/^#/);
    if (/^CKA_TRUST_([A-Z_]+)\s+CK_TRUST\s+CKT_NSS_([A-Z_]+)\s*$/) {
      if ( !is_in_list($1,@valid_mozilla_trust_purposes) ) {
        report "Warning: Unrecognized trust purpose for cert: $caname. Trust purpose: $1. Trust Level: $2";
      } elsif ( !is_in_list($2,@valid_mozilla_trust_levels) ) {
        report "Warning:
Unrecognized trust level for cert: $caname. Trust purpose: $1. Trust Level: $2";
      } else {
        push @{$trust_purposes_by_level{$2}}, $1;
      }
    }
  }

  if ( !should_output_cert(%trust_purposes_by_level) ) {
    $skipnum ++;
    report "Skipping: $caname" if ($opt_v);
  } else {
    my $data = $cka_value;
    $cka_value = "";
    my $encoded = MIME::Base64::encode_base64($data, "");
    $encoded =~ s/(.{1,$opt_w}})/$1\n/g;
    my $pem = "-----BEGIN CERTIFICATE-----\n"
      . $encoded
      . "-----END CERTIFICATE-----\n";
    print CRT "\n$caname\n";
    print CRT @precert if($opt_m);
    my $maxLength = length(decode('UTF-8', $caname, Encode::FB_CROAK | Encode::LEAVE_SRC));
    if ($opt_t) {
      foreach my $key (keys %trust_purposes_by_level) {
        my $string = $key . ": " . join(" ", @{$trust_purposes_by_level{$key}});
        $maxLength = List::Util::max( length($string), $maxLength );
      }
    };
    print CRT $string . "\n";
  }
}

print CRT ("=" x $maxLength . "\n");
if (!$opt_t) {
  print CRT $pem;
} else {
  my $pipe = "";
  foreach my $hash (@included_signature_algorithms) {
    $pipe = "|$openssl x509 -" . $hash . " -fingerprint -noout -inform PEM";
  }
}

```

```

    if (!$stdout) {
        $pipe .= " >> $crt.~";
        close(CRT) or die "Couldn't close $crt.~: $!";
    }
    open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
    print TMP $pem;
    close(TMP) or die "Couldn't close openssl pipe: $!";
    if (!$stdout) {
        open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
    }
}
$pipe = "|$openssl x509 -text -inform PEM";
if (!$stdout) {
    $pipe .= " >> $crt.~";
    close(CRT) or die "Couldn't close $crt.~: $!";
}
open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
print TMP
$pem;
close(TMP) or die "Couldn't close openssl pipe: $!";
if (!$stdout) {
    open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
}
}
report "Parsing: $scaname" if ($opt_v);
$certnum ++;
$start_of_cert = 0;
}
undef @precert;
}

}
close(TXT) or die "Couldn't close $txt: $!\n";
close(CRT) or die "Couldn't close $crt.~: $!\n";
unless( $stdout ) {
    if ($opt_b && -e $crt) {
        my $bk = 1;
        while (-e "$crt.~${bk}~") {
            $bk++;
        }
        rename $crt, "$crt.~${bk}~" or die "Failed to create backup $crt.~$bk}~: $!\n";
    } elsif( -e $crt ) {
        unlink( $crt ) or die "Failed to remove $crt: $!\n";
    }
    rename "$crt.~", $crt or die "Failed to rename $crt.~ to $crt: $!\n";
}
if($opt_u && -e $txt && !unlink($txt)) {
    report "Failed to remove $txt: $!\n";
}

```

```

}
report "Done ($certnum CA certs processed, $skipnum skipped).";

Found in path(s):
* /ca-certificates-20230506-tar-bz2/ca-certificates-20230506/mk-ca-bundle.pl
No license file was found, but licenses were detected in source scan.

/* c_rehash.c - Create hash symlinks for certificates
* C implementation based on the original Perl and shell versions
*
* Copyright (c) 2013-2014 Timo Teräs <timo.teras@iki.fi>
* All rights reserved.
*
* This software is licensed under the MIT License.
* Full license available at: http://opensource.org/licenses/MIT
*/

Found in path(s):
* /ca-certificates-20230506-tar-bz2/ca-certificates-20230506/c_rehash.c

```

1.152 expat 2.6.2-r0

1.152.1 Available under license :

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1.153 lapack 3.11-r2

1.153.1 Available under license :

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1.154 sqlite 3.40.1-r1

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1.156 giflib 5.2.2-r0

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1.162 apk-tools 2.14.4-r0

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1.167 tomli 2.0.1

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1.168 pycparser 2.21

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pycparser -- A C parser in Python

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1.170 apk-tools 2.12.14-r0

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1.176 python-requests 2.32.3

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1.177 dataclasses-json 0.6.7

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1.179 zipp 3.19.2

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1.180 busybox 1.35.0-r31

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jseward@bzip.org

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1.182 zlib 1.3.1

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Found in path(s):

- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/InnerClass.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/CompoundInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/D2F.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DNEG.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LXOR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFLE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IF_ICMPLE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ClassFormatException.java

- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/InstConstraintVisitor.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/LocalVariableInfo.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IDIV.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LADD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/GotoInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/InstructionContext.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/MONITOREXIT.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ByteSequence.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/JavaClass.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/StaticCodeConstraintException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/TABLESWITCH.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/PopInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/PMGClass.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/VerifyDialog.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/VerifierAppFrame.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ExceptionThrower.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/I2D.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ObjectType.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FREM.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ISUB.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FDIV.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LREM.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ClassQueue.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DUP2.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/SourceFile.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/Instruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DUP_X1.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/TransitiveHull.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ClassPath.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/RETURN.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/Visitor.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/NativeVerifier.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Field.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/StaticCodeInstructionOperandConstraintException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Signature.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/CASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LSHR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DCMPL.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/TargetLostException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LocalVariableInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/AttributeReader.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/UnconditionalBranch.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FieldObserver.java

- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Node.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/StackMapType.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IADD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IREM.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/DOUBLE_Upper.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ILOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/GraphicalVerifier.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/BranchInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/StoreInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DREM.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FieldOrMethod.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ARETURN.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/LocalVariableInfoInconsistentException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/I2B.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/StackInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/AllocationInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/FieldOrMethod.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/RET.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/PushInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DUP.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IF_ICMPNE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/GOTO_W.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LOR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Code.java
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- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/Type.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IOR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/POP.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ISTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/StructuralCodeConstraintException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/LocalVariable.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/VerificationException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/PassVerifier.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantMethodref.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantUtf8.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/INVOKESTATIC.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/LocalVariablesInfo.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/INVOKEINTERFACE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IUSHR.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/Constants.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/Repository.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/D2I.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ICONST.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LOOKUPSWITCH.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ReturnaddressType.java

- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ANEWARRAY.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/LineNumberTable.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LUSHR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LSTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/IntList.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/Pass1Verifier.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/LONG_Upper.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/Subroutines.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantInteger.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DMUL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LSUB.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/SIPUSH.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FCMPL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/MONITORENTER.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LRETURN.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/D2L.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Synthetic.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ArrayType.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IF_ACMPLNE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DRETURN.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DADD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFEQ.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LALOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Constant.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantPool.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ReturnInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/NEWARRAY.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/DescendingVisitor.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LSHL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/VerifierFactoryObserver.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFNULL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FALOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Method.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Attribute.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LDC_W.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IfInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LoadClass.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ATHROW.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFGE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/AASTORE.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/util/CodeHTML.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/L2F.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IAND.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ClassVector.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantClass.java

- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IMPDEP2.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/StackMap.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantValue.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantString.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/BIPUSH.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/VerificationResult.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/Pass3bVerifier.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DCONST.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/CALOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ClassGenException.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/util/ClassLoader.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DUP2_X2.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LineNumberGen.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/Select.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/ExceptionConstants.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/MULTIANEWARRAY.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantObject.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Utility.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FRETURN.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InstructionListObserver.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IF_ICMPGE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/ExceptionHandler.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/INEG.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FCONST.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/Subroutine.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ConstantHTML.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/CodeExceptionGen.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/GETSTATIC.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DUP_X2.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantDouble.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ConstantPushInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InstructionHandle.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InstructionTargeter.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/VariableLengthInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ClassSet.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IMPDEP1.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DSTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ISHR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IALOAD.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IF_ICMPGT.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/F2D.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LNEG.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantInterfaceMethodref.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/I2S.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Unknown.java

- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/LLOAD.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/INVOKESPECIAL.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/util/AttributeHTML.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/FieldInstruction.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/LocalVariables.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/CPInstruction.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/exc/InvalidMethodException.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/IndexedInstruction.java
- *
- /bccl-5-1-sources-6-jar/org/apache/bcel/generic/FCMPG.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/ACONST_NULL.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/IINC.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/StackProducer.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/classfile/ExceptionTable.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/util/SyntheticRepository.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/GETFIELD.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/FieldGen.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/EmptyVisitor.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/DCMPG.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/IFGT.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/ISHL.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/I2C.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/exc/VerifierConstraintViolatedException.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/FNEG.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/IF_ICMPEQ.java
- *
- /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/Verifier.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/exc/ClassConstraintException.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/ReferenceType.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/LCMP.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/BALOAD.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/classfile/Visitor.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/IMUL.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/classfile/CodeException.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/INSTANCEOF.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/AALOAD.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/L2I.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/ArrayInstruction.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/InstructionFactory.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/I2L.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/ExecutionVisitor.java
- *
- /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/statics/StringRepresentation.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/IF_ICMPLT.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/LoadInstruction.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/generic/LDC2_W.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/classfile/ClassParser.java
- * /bccl-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantFloat.java

- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/TypedInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LDC.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IXOR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFNONNULL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/VerifierFactoryListModel.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DLOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/PUTFIELD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/InnerClasses.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InvokeInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DSUB.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LDIV.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantCP.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/GOTO.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/Class2HTML.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/F2I.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/NEW.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FieldGenOrMethodGen.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IF_ACMPEQ.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/NOP.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/LineNumber.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFLT.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IFNE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/InstructionFinder.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/BASTORE.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/INVOKEVIRTUAL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IRETURN.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/statics/Pass2Verifier.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/SASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InstructionList.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantFieldref.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/JsrInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/ClassLoaderRepository.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ALOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ClassGen.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/OperandStack.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/POP2.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/Frame.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/PUTSTATIC.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/JSR.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/GenericArray.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/I2F.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/StackMapEntry.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/L2D.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FLOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/AccessFlags.java

- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/Deprecated.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ClassObserver.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/BREAKPOINT.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DUP2_X1.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/LocalVariableTable.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/Utility.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/NamedAndTyped.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ARRAYLENGTH.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/Repository.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/BasicType.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/MethodGen.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ConversionInstruction.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LAND.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/EmptyVisitor.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/MethodObserver.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LCONST.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LMUL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/LinkingConstraintException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InstructionConstants.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DDIV.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/ExceptionHandler.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/SALOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/util/MethodHTML.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FADD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/SWAP.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/AssertionViolatedException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/StackConsumer.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/VerifierFactory.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/InstructionComparator.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/F2L.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FMUL.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/StaticCodeInstructionConstraintException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/DALOAD.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/SWITCH.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/PUSH.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/IASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ArithmeticInstruction.java
- *
- /bcel-5-1-sources-6-jar/org/apache/bcel/generic/BranchHandle.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/verifier/exc/LoadingException.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/FSUB.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/LocalVariableGen.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ASTORE.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantNameAndType.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/CHECKCAST.java
- * /bcel-5-1-sources-6-jar/org/apache/bcel/generic/JSR_W.java


```

* /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/exc/CodeConstraintException.java
* /bccl-5-1-sources-6-jar/org/apache/bcel/util/JavaWrapper.java
* /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/ControlFlowGraph.java
* /bccl-5-1-sources-6-jar/org/apache/bcel/classfile/ConstantLong.java
* /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/statics/Pass3aVerifier.java
* /bccl-5-1-sources-6-jar/org/apache/bcel/generic/ConstantPoolGen.java
*
/bccl-5-1-sources-6-jar/org/apache/bcel/util/ClassStack.java
* /bccl-5-1-sources-6-jar/org/apache/bcel/generic/FSTORE.java
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```

```

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* /bcel-5-1-sources-6-jar/org/apache/bcel/util/BCELifier.java

* /bcel-5-1-sources-6-jar/org/apache/bcel/util/BCELFactory.java

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package org.apache.bcel.generic;

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- */

```
import org.apache.bcel.Constants;
import org.apache.bcel.classfile.*;
import java.util.HashMap;
```

```
/**
```

- * This class is used to build up a constant pool. The user adds
- * constants via `addXXX' methods, `addString', `addClass',
- *
- etc.. These methods return an index into the constant
- * pool. Finally, `getFinalConstantPool()' returns the constant pool
- * built up. Intermediate versions of the constant pool can be
- * obtained with `getConstantPool()'. A constant pool has capacity for
- * Constants.MAX_SHORT entries. Note that the first (0) is used by the

```

* JVM and that Double and Long constants need two slots.
*
* @version $Id: ConstantPoolGen.java,v 1.3 2002/07/11 19:39:04 mdahm Exp $
* @author <A HREF="mailto:markus.dahm@berlin.de">M. Dahm</A>
* @see Constant
*/

public class ConstantPoolGen implements java.io.Serializable {
    protected int    size    = 1024; // Initial size, sufficient in most cases
    protected Constant[] constants = new Constant[size];
    protected int    index    = 1; // First entry (0) used by JVM

    private static final String METHODREF_DELIM = ":";
    private static final String IMETHODREF_DELIM = "#";
    private static final String FIELDREF_DELIM = "&";
    private static final
    String NAT_DELIM    = "%";

    private static class Index implements java.io.Serializable {
        int index;
        Index(int i) { index = i; }
    }

    /**
     * Initialize with given array of constants.
     *
     * @param c array of given constants, new ones will be appended
     */
    public ConstantPoolGen(Constant[] cs) {
        if(cs.length > size) {
            size    = cs.length;
            constants = new Constant[size];
        }

        System.arraycopy(cs, 0, constants, 0, cs.length);

        if(cs.length > 0)
            index = cs.length;

        for(int i=1; i < index; i++) {
            Constant c = constants[i];

            if(c instanceof ConstantString) {
                ConstantString s = (ConstantString)c;
                ConstantUtf8    u8 = (ConstantUtf8)constants[s.getStringIndex()];

                string_table.put(u8.getBytes(), new Index(i));
            } else if(c instanceof ConstantClass) {
                ConstantClass s = (ConstantClass)c;

```

```

ConstantUtf8 u8 = (ConstantUtf8)constants[s.getNameIndex()];

class_table.put(u8.getBytes(), new Index(i));
    } else
if(c instanceof ConstantNameAndType) {
    ConstantNameAndType n = (ConstantNameAndType)c;
    ConstantUtf8 u8 = (ConstantUtf8)constants[n.getNameIndex()];
    ConstantUtf8 u8_2 = (ConstantUtf8)constants[n.getSignatureIndex()];

    n_a_t_table.put(u8.getBytes() + NAT_DELIM + u8_2.getBytes(), new Index(i));
    } else if(c instanceof ConstantUtf8) {
        ConstantUtf8 u = (ConstantUtf8)c;

        utf8_table.put(u.getBytes(), new Index(i));
    } else if(c instanceof ConstantCP) {
    ConstantCP m = (ConstantCP)c;
    ConstantClass clazz = (ConstantClass)constants[m.getClassIndex()];
    ConstantNameAndType n = (ConstantNameAndType)constants[m.getNameAndTypeIndex()];

        ConstantUtf8 u8 = (ConstantUtf8)constants[clazz.getNameIndex()];
        String class_name = u8.getBytes().replace('/', '.');

    u8 = (ConstantUtf8)constants[n.getNameIndex()];
    String method_name = u8.getBytes();

    u8 = (ConstantUtf8)constants[n.getSignatureIndex()];
    String
    signature = u8.getBytes();

    String delim = METHODREF_DELIM;

    if(c instanceof ConstantInterfaceMethodref)
        delim = IMETHODREF_DELIM;
    else if(c instanceof ConstantFieldref)
        delim = FIELDREF_DELIM;

    cp_table.put(class_name + delim + method_name + delim + signature, new Index(i));
    }
    }
}

/**
 * Initialize with given constant pool.
 */
public ConstantPoolGen(ConstantPool cp) {
    this(cp.getConstantPool());
}

```

```

/**
 * Create empty constant pool.
 */
public ConstantPoolGen() {}

/** Resize internal array of constants.
 */
protected void adjustSize() {
    if(index + 3 >= size) {
        Constant[] cs = constants;

        size *= 2;
        constants = new Constant[size];
        System.arraycopy(cs, 0, constants, 0, index);
    }
}

private HashMap string_table = new HashMap();

/**
 * Look for ConstantString in ConstantPool containing String `str'.
 *
 * @param str String to search for
 * @return index on success, -1
 * otherwise
 */
public int lookupString(String str) {
    Index index = (Index)string_table.get(str);
    return (index != null)? index.index : -1;
}

/**
 * Add a new String constant to the ConstantPool, if it is not already in there.
 *
 * @param str String to add
 * @return index of entry
 */
public int addString(String str) {
    int ret;

    if((ret = lookupString(str)) != -1)
        return ret; // Already in CP

    int utf8 = addUtf8(str);

    adjustSize();

    ConstantString s = new ConstantString(utf8);

```

```

ret = index;
constants[index++] = s;

string_table.put(str, new Index(ret));

return ret;
}

private HashMap class_table = new HashMap();

/**
 * Look for ConstantClass in ConstantPool named `str`.
 *
 * @param str String to search for
 * @return index on success, -1 otherwise
 */
public int lookupClass(String str) {
    Index index = (Index)class_table.get(str.replace('.', '/'));
    return (index != null)? index.index
: -1;
}

private int addClass_(String clazz) {
    int ret;

    if((ret = lookupClass(clazz)) != -1)
        return ret; // Already in CP

    adjustSize();

    ConstantClass c = new ConstantClass(addUtf8(clazz));

    ret = index;
    constants[index++] = c;

    class_table.put(clazz, new Index(ret));

    return ret;
}

/**
 * Add a new Class reference to the ConstantPool, if it is not already in there.
 *
 * @param str Class to add
 * @return index of entry
 */
public int addClass(String str) {

```

```

        return addClass_(str.replace('.', '/'));
    }

/**
 * Add a new Class reference to the ConstantPool for a given type.
 *
 * @param str Class to add
 * @return index of entry
 */
public int addClass(ObjectType type) {
    return addClass(type.getClassName());
}

/**
 * Add a reference to an array class (e.g. String[][]) as needed by MULTIANEWARRAY
 * instruction, e.g. to the ConstantPool.
 *
 * @param type type of array class
 *
 * @return index of entry
 */
public int addArrayClass(ArrayType type) {
    return addClass_(type.getSignature());
}

/**
 * Look for ConstantInteger in ConstantPool.
 *
 * @param n integer number to look for
 * @return index on success, -1 otherwise
 */
public int lookupInteger(int n) {
    for(int i=1; i < index; i++) {
        if(constants[i] instanceof ConstantInteger) {
            ConstantInteger c = (ConstantInteger)constants[i];

            if(c.getBytes() == n)
                return i;
        }
    }

    return -1;
}

/**
 * Add a new Integer constant to the ConstantPool, if it is not already in there.
 *
 * @param n integer number to add

```



```

* @return index of entry
*/
public int addInteger(int n) {
    int ret;

    if((ret = lookupInteger(n)) != -1)
        return ret; // Already in CP

    adjustSize();

    ret = index;
    constants[index++] = new ConstantInteger(n);

    return ret;
}

/**
 * Look for ConstantFloat in ConstantPool.
 *
 * @param n Float number to
look for
 * @return index on success, -1 otherwise
 */
public int lookupFloat(float n) {
    for(int i=1; i < index; i++) {
        if(constants[i] instanceof ConstantFloat) {
            ConstantFloat c = (ConstantFloat)constants[i];

            if(c.getBytes() == n)
                return i;
        }
    }

    return -1;
}

/**
 * Add a new Float constant to the ConstantPool, if it is not already in there.
 *
 * @param n Float number to add
 * @return index of entry
 */
public int addFloat(float n) {
    int ret;

    if((ret = lookupFloat(n)) != -1)
        return ret; // Already in CP

```

```

adjustSize();

ret = index;
constants[index++] = new ConstantFloat(n);

return ret;
}

private HashMap utf8_table = new HashMap();

/**
 * Look for ConstantUtf8 in ConstantPool.
 *
 * @param n Utf8 string to look for
 * @return index on success, -1 otherwise
 */
public int lookupUtf8(String n) {
    Index index = (Index)utf8_table.get(n);

    return (index != null)? index.index
: -1;
}

/**
 * Add a new Utf8 constant to the ConstantPool, if it is not already in there.
 *
 * @param n Utf8 string to add
 * @return index of entry
 */
public int addUtf8(String n) {
    int ret;

    if((ret = lookupUtf8(n)) != -1)
        return ret; // Already in CP

    adjustSize();

    ret = index;
    constants[index++] = new ConstantUtf8(n);

    utf8_table.put(n, new Index(ret));

    return ret;
}

/**
 * Look for ConstantLong in ConstantPool.
 *

```

```

* @param n Long number to look for
* @return index on success, -1 otherwise
*/
public int lookupLong(long n) {
    for(int i=1; i < index; i++) {
        if(constants[i] instanceof ConstantLong) {
            ConstantLong c = (ConstantLong)constants[i];

            if(c.getBytes() == n)
                return i;
        }
    }

    return -1;
}

/**
 * Add a new long constant to the ConstantPool, if it is not already in there.
 */
* @param n Long number to add
* @return index of entry
*/
public int addLong(long
n) {
    int ret;

    if((ret = lookupLong(n)) != -1)
        return ret; // Already in CP

    adjustSize();

    ret = index;
    constants[index] = new ConstantLong(n);
    index += 2; // Wastes one entry according to spec

    return ret;
}

/**
 * Look for ConstantDouble in ConstantPool.
 */
* @param n Double number to look for
* @return index on success, -1 otherwise
*/
public int lookupDouble(double n) {
    for(int i=1; i < index; i++) {
        if(constants[i] instanceof ConstantDouble) {
            ConstantDouble c = (ConstantDouble)constants[i];

```

```

if(c.getBytes() == n)
    return i;
    }
}

return -1;
}

/**
 * Add a new double constant to the ConstantPool, if it is not already in there.
 *
 * @param n Double number to add
 * @return index of entry
 */
public int addDouble(double n) {
    int ret;

    if((ret = lookupDouble(n)) != -1)
        return ret; // Already in CP

    adjustSize();

    ret = index;
    constants[index] = new ConstantDouble(n);
    index += 2; // Wastes one entry according to spec

    return ret;
}

private HashMap n_a_t_table = new HashMap();

/**
 * Look for ConstantNameAndType in ConstantPool.
 *
 * @param name of variable/method
 * @param signature of variable/method
 * @return index on success, -1 otherwise
 */
public int lookupNameAndType(String name, String signature) {
    Index index = (Index)n_a_t_table.get(name + NAT_DELIM + signature);
    return (index != null)? index.index : -1;
}

/**
 * Add a new NameAndType constant to the ConstantPool if it is not already
 * in there.
 *

```

```

* @param n NameAndType string to add
* @return index of entry
*/
public int addNameAndType(String name, String signature) {
    int ret;
    int name_index, signature_index;

    if((ret = lookupNameAndType(name, signature)) != -1)
        return ret; // Already in CP

    adjustSize();

    name_index    = addUtf8(name);
    signature_index = addUtf8(signature);
    ret = index;
    constants[index++] = new ConstantNameAndType(name_index, signature_index);

    n_a_t_table.put(name + NAT_DELIM + signature, new Index(ret));
    return ret;
}

private HashMap cp_table = new HashMap();

/**
 * Look for ConstantMethodref in ConstantPool.
 *
 * @param class_name Where to find method
 * @param method_name Guess what
 * @param signature return and argument types
 * @return index on success, -1 otherwise
 */
public int lookupMethodref(String class_name, String method_name, String signature) {
    Index index = (Index)cp_table.get(class_name + METHODREF_DELIM + method_name +
        METHODREF_DELIM + signature);
    return (index != null)? index.index : -1;
}

public int lookupMethodref(MethodGen method) {
    return lookupMethodref(method.getClassName(), method.getName(),
        method.getSignature());
}

/**
 * Add a new Methodref constant to the ConstantPool, if it is not already
 * in there.
 *
 * @param n Methodref

```

```

string to add
* @return index of entry
*/

public int addMethodref(String class_name, String method_name, String signature) {
    int ret, class_index, name_and_type_index;

    if((ret = lookupMethodref(class_name, method_name, signature)) != -1)
        return ret; // Already in CP

    adjustSize();

    name_and_type_index = addNameAndType(method_name, signature);
    class_index = addClass(class_name);
    ret = index;
    constants[index++] = new ConstantMethodref(class_index, name_and_type_index);

    cp_table.put(class_name + METHODREF_DELIM + method_name +
        METHODREF_DELIM + signature, new Index(ret));

    return ret;
}

public int addMethodref(MethodGen method) {
    return addMethodref(method.getClassName(), method.getName(),
        method.getSignature());
}

/**
 * Look for ConstantInterfaceMethodref in ConstantPool.
 *
 * @param class_name Where to find method
 * @param method_name Guess what
 * @param signature return and argument types
 * @return index on success, -1 otherwise
 */
public int lookupInterfaceMethodref(String class_name, String method_name, String signature) {
    Index index = (Index)cp_table.get(class_name + IMETHODREF_DELIM + method_name +
        IMETHODREF_DELIM + signature);
    return (index != null)? index.index : -1;
}

public int lookupInterfaceMethodref(MethodGen method) {
    return lookupInterfaceMethodref(method.getClassName(), method.getName(),
        method.getSignature());
}

/**
 * Add a new InterfaceMethodref constant to the ConstantPool, if it is not already

```

```

* in there.
*
* @param n InterfaceMethodref string to add
* @return index of entry
*/
public int addInterfaceMethodref(String class_name, String method_name, String signature) {
    int ret, class_index, name_and_type_index;

    if((ret = lookupInterfaceMethodref(class_name, method_name, signature)) != -1)
        return ret; // Already in CP

    adjustSize();

    class_index      = addClass(class_name);
    name_and_type_index = addNameAndType(method_name, signature);
    ret = index;
    constants[index++] = new ConstantInterfaceMethodref(class_index, name_and_type_index);

    cp_table.put(class_name + IMETHODREF_DELIM + method_name +
        IMETHODREF_DELIM + signature, new Index(ret));

    return ret;
}

public int addInterfaceMethodref(MethodGen method) {
    return addInterfaceMethodref(method.getClassName(), method.getName(),
        method.getSignature());
}

/**
 * Look for ConstantFieldref in ConstantPool.
 *
 * @param class_name Where to find method
 * @param field_name Guess what
 * @param signature return and argument types
 * @return index on success, -1 otherwise
 */
public int lookupFieldref(String class_name, String field_name, String signature) {
    Index index = (Index)cp_table.get(class_name + FIELDREF_DELIM + field_name +
        FIELDREF_DELIM + signature);
    return (index != null)? index.index : -1;
}

/**
 * Add
a new Fieldref constant to the ConstantPool, if it is not already
 * in there.
 *

```

```

* @param n Fieldref string to add
* @return index of entry
*/
public int addFieldref(String class_name, String field_name, String signature) {
    int ret;
    int class_index, name_and_type_index;

    if((ret = lookupFieldref(class_name, field_name, signature)) != -1)
        return ret; // Already in CP

    adjustSize();

    class_index      = addClass(class_name);
    name_and_type_index = addNameAndType(field_name, signature);
    ret = index;
    constants[index++] = new ConstantFieldref(class_index, name_and_type_index);

    cp_table.put(class_name + FIELDREF_DELIM + field_name + FIELDREF_DELIM + signature, new Index(ret));

    return ret;
}

/**
 * @param i index in constant pool
 * @return constant pool entry at index i
 */
public Constant getConstant(int i) { return constants[i]; }

/**
 * Use with care!
 *
 * @param i index in constant pool
 * @param
 * c new constant pool entry at index i
 */
public void setConstant(int i, Constant c) { constants[i] = c; }

/**
 * @return intermediate constant pool
 */
public ConstantPool getConstantPool() {
    return new ConstantPool(constants);
}

/**
 * @return current size of constant pool
 */
public int getSize() {

```



```

        return index;
    }

    /**
     * @return constant pool with proper length
     */
    public ConstantPool getFinalConstantPool() {
        Constant[] cs = new Constant[index];

        System.arraycopy(constants, 0, cs, 0, index);

        return new ConstantPool(cs);
    }

    /**
     * @return String representation.
     */
    public String toString() {
        StringBuffer buf = new StringBuffer();

        for(int i=1; i < index; i++)
            buf.append(i + ") " + constants[i] + "\n");

        return buf.toString();
    }

    /** Import constant from another ConstantPool and return new index.
     */
    public int addConstant(Constant c, ConstantPoolGen cp) {
        Constant[] constants = cp.getConstantPool().getConstantPool();

        switch(c.getTag()) {
        case Constants.CONSTANT_String: {
            ConstantString s = (ConstantString)c;
            ConstantUtf8 u8 = (ConstantUtf8)constants[s.getStringIndex()];

            return addString(u8.getBytes());
        }

        case Constants.CONSTANT_Class: {
            ConstantClass s = (ConstantClass)c;
            ConstantUtf8 u8 = (ConstantUtf8)constants[s.getNameIndex()];

            return addClass(u8.getBytes());
        }

        case Constants.CONSTANT_NameAndType: {
            ConstantNameAndType n = (ConstantNameAndType)c;

```

```

        ConstantUtf8    u8  = (ConstantUtf8)constants[n.getNameIndex()];
        ConstantUtf8    u8_2 = (ConstantUtf8)constants[n.getSignatureIndex()];

        return addNameAndType(u8.getBytes(), u8_2.getBytes());
    }

    case Constants.CONSTANT_Utf8:
        return addUtf8(((ConstantUtf8)c).getBytes());

    case Constants.CONSTANT_Double:
        return addDouble(((ConstantDouble)c).getBytes());

    case Constants.CONSTANT_Float:

        return addFloat(((ConstantFloat)c).getBytes());

    case Constants.CONSTANT_Long:
        return addLong(((ConstantLong)c).getBytes());

    case Constants.CONSTANT_Integer:
        return addInteger(((ConstantInteger)c).getBytes());

    case Constants.CONSTANT_InterfaceMethodref: case Constants.CONSTANT_Methodref:
    case Constants.CONSTANT_Fieldref: {
        ConstantCP      m    = (ConstantCP)c;
        ConstantClass    clazz = (ConstantClass)constants[m.getClassIndex()];
        ConstantNameAndType n  = (ConstantNameAndType)constants[m.getNameAndTypeIndex()];
        ConstantUtf8 u8      = (ConstantUtf8)constants[clazz.getNameIndex()];
        String    class_name = u8.getBytes().replace('/', '.');

        u8 = (ConstantUtf8)constants[n.getNameIndex()];
        String name = u8.getBytes();

        u8 = (ConstantUtf8)constants[n.getSignatureIndex()];
        String signature = u8.getBytes();

        switch(c.getTag()) {
            case Constants.CONSTANT_InterfaceMethodref:
                return
                addInterfaceMethodref(class_name, name, signature);

            case Constants.CONSTANT_Methodref:
                return addMethodref(class_name, name, signature);

            case Constants.CONSTANT_Fieldref:
                return addFieldref(class_name, name, signature);

            default: // Never reached

```

```

throw new RuntimeException("Unknown constant type " + c);
    }
}

```

```

default: // Never reached
    throw new RuntimeException("Unknown constant type " + c);
}
}
}

```

Found in path(s):

* /bcel-5-1-sources-6-jar/org/apache/bcel/generic/ConstantPoolGen.java.orig

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*/
/**
* This class represents an uninitialized object type; see The Java
* Virtual Machine Specification, Second Edition, page 147: 4.9.4 for
* more details.
*
* @version $Id: UninitializedObjectType.java,v 1.1.1.1 2001/10/29 20:00:42 jvanzyl Exp $
* @author <A
* HREF="http://www.inf.fu-berlin.de/~ehaase"/>Enver Haase</A>
*/

```

Found in path(s):

```
* /bccl-5-1-sources-6-jar/org/apache/bcel/verifier/structurals/UninitializedObjectType.java
```

1.184 python-setuptools 70.3.0

1.184.1 Available under license :

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```
python -m validate_pyproject.pre_compile --output-dir=setuputils/config/_validate_pyproject --enable-plugins
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```

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You can report issues or suggest changes directly to `validate-pyproject` (or to the relevant plugin repository)

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`fastjsonschema`

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`validate-pyproject`

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
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1.194 libpng 1.6.44-r0

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1.195 protobuf 5.28.2

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1.196 semver 2.13.0

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..

Local variables:

coding: utf-8

mode: text

mode: rst

End:
vim: fileencoding=utf-8 filetype=rst :

1.197 openssl 3.0.15-r1

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<signature of Ty Coon>, 1 April 1989

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1.199 toml 2.2.1

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1.200 bridgeutils 1.35.0-r31

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```
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 *
 */
```

Found in path(s):

* /busybox-1-35-0-r31-zip/busybox/bbsuid.c

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

From 8d76137506e9c65404280694e56d9a7629d58280 Mon Sep 17 00:00:00 2001

From: =?UTF-8?q?Timo=20Ter=C3=A4s?= <timo.teras@iki.fi>

Date: Sun, 25 Oct 2015 22:21:41 +0200

Subject: [PATCH] depmod: support generating kmod binary index files

This allows to use busybox depmod, and run daemons using libkmod (or even kmod modprobe if needed).

About +1500 bytes when enabled. This patch merges some depmod code paths, so when this is disabled it shrinks the code size a little bit.

modutils/Config.src | 9 ++

modutils/depmod.c | 281 ++++++

modutils/modprobe.c | 15 ---

modutils/modutils.c | 31 +++++

modutils/modutils.h | 16 +++

5 files changed, 286 insertions(+), 66 deletions(-)

diff --git a/modutils/Config.src b/modutils/Config.src

index 188296814..7a4c037ad 100644

--- a/modutils/Config.src

+++ b/modutils/Config.src

@@ -152,6 +152,15 @@ config FEATURE_MODUTILS_ALIAS

Say Y

if unsure.

+config FEATURE_MODUTILS_BIN

+ bool "Support for the kmod .bin file format"

+ default n

+ depends on DEPMOD && !MODPROBE_SMALL

```

+ help
+ Generate kmod compatible binary index files for .dep, .alias,
+ .symbols and .builtin files. Allows mixing use of busybox
+ modutils and kmod (binaries and library).
+
config FEATURE_MODUTILS_SYMBOLS
bool "Support module.symbols file"
default y
diff --git a/modutils/depmod.c b/modutils/depmod.c
index b5244fc60..26e223753 100644
--- a/modutils/depmod.c
+++ b/modutils/depmod.c
@@ -2,7 +2,7 @@
/*
 * depmod - generate modules.dep
 * Copyright (c) 2008 Bernhard Reutner-Fischer
- * Copyright (c) 2008 Timo Teras <timo.teras@iki.fi>
+ * Copyright (c) 2008-2015 Timo Teras <timo.teras@iki.fi>
 * Copyright (c) 2008 Vladimir Dronnikov
 *
 * Licensed under GPLv2 or later, see file LICENSE in this source tree.
@@ -26,6 +26,24 @@
#include "modutils.h"
#include <sys/utsname.h> /* uname() */

+#define INDEX_MINCHAR 32
+#define INDEX_MAXCHAR 128
+
+typedef
+struct index_node {
+ char *prefix;
+ llist_t *values;
+ struct index_node *children[INDEX_MAXCHAR-INDEX_MINCHAR];
+} index_node;
+
+struct globals {
+ module_db db;
+ index_node *root_node;
+} FIX_ALIASING;
+#define G (*ptr_to_globals)
+#define INIT_G() do { \
+ SET_PTR_TO_GLOBALS(xzalloc(sizeof(G))); \
+} while (0)
+
/*
 * Theory of operation:
 * - iterate over all modules and record their full path
@@ -53,18 +71,12 @@ static int FAST_FUNC parse_module(const char *fname, struct stat *sb UNUSED_PARA

```

```

for (ptr = image; ptr < image + len - 10; ptr++) {
    if (is_prefixed_with(ptr, "depends=")) {
-   char *u;
-
        ptr += 8;
-   for (u = ptr; *u; u++)
-   if (*u == '-')
-       *u = '_';
-   ptr += string_to_llist(ptr, &e->deps, ",");
+   string_to_llist(replace_underscores(ptr), &e->deps, ",");
    } else if (ENABLE_FEATURE_MODUTILS_ALIAS
        && is_prefixed_with(ptr, "alias=")
    ) {
-   llist_add_to(&e->aliases, xstrdup(ptr + 6));
-   ptr += strlen(ptr);
+   llist_add_to(&e->aliases,
replace_underscores(xstrdup(ptr + 6)));
    } else if (ENABLE_FEATURE_MODUTILS_SYMBOLS
        && is_prefixed_with(ptr, "__ksymtab_")
    ) {
@@ -74,9 +86,10 @@ static int FAST_FUNC parse_module(const char *fname, struct stat *sb UNUSED_PARAM) {
    continue;
}
-   llist_add_to(&e->symbols, xstrdup(ptr));
-   ptr += strlen(ptr);
-   }
+   llist_add_to(&e->symbols, xasprintf("symbol:%s", ptr));
+   } else
+   continue;
+   ptr += strlen(ptr);
    }
    free(image);

@@ -108,12 +121,6 @@ static void order_dep_list(module_db *modules, module_entry *start, llist_t *add
}
}

-static void xfreopen_write(const char *file, FILE *f)
-{
-   if (freopen(file, "w", f) == NULL)
-   bb_perror_msg_and_die("can't open '%s'", file);
-}
-
//usage:#if !ENABLE_MODPROBE_SMALL
//usage:#define depmod_trivial_usage "[-n] [-b BASE] [VERSION] [MODFILES]..."
//usage:#define depmod_full_usage "\n\n"

```

```

@@ -167,6 +174,169 @@ enum {
OPT_C = (1 << 9), /* -C,--config etc_modules_conf: ignored */
};

+/* Support for the mod binary index generation */
+
+static void index_init(const char *filename)
+{
+ if (ENABLE_FEATURE_MODUTILS_BIN) {
+  index_node *n;
+
+  n = xzalloc(sizeof(index_node));
+  n->prefix = xstrdup("");
+  G.root_node = n;
+ }
+
+ if (filename && !(option_mask32 & OPT_n)) {
+  if (freopen(filename, "w", stdout) == NULL)
+   bb_perror_msg_and_die("can't open '%s'", filename);
+ }
+}
+
+static void index_add(const char *key, char *value, const char *prefix)
+{
+ if (prefix && *prefix)
+  printf("%s%s %s\n", prefix, key, value);
+ else if (prefix)
+  printf("%s\n", value);
+
+ if (ENABLE_FEATURE_MODUTILS_BIN) {
+  index_node *cur = G.root_node, *n;
+  unsigned i = 0, j, ch;
+
+  while (1) {
+   /* Ensure node->prefix is a prefix of &str[i].
+    * If it is not already, then we must split node. */
+   for (j = 0; cur->prefix[j]; j++) {
+    ch = cur->prefix[j];
+    if (ch != key[i+j]) {
+     /* New child is copy of node with prefix[j+1..N] */
+     n = xzalloc(sizeof(index_node));
+     n->prefix
+     = xstrdup(&cur->prefix[j+1]);
+     n->values = cur->values;
+     memcpy(n->children, cur->children, sizeof(n->children));
+
+     /* Parent has prefix[0..j], child at prefix[j] */
+     cur->prefix[j] = '\0';

```

```

+   cur->values = NULL;
+   memset(cur->children, 0, sizeof(cur->children));
+   cur->children[ch-INDEX_MINCHAR] = n;
+   break;
+ }
+ }
+ i += j;
+
+ ch = key[i];
+ if (ch == 0)
+   break;
+
+ if (ch < INDEX_MINCHAR || ch >= INDEX_MAXCHAR)
+   bb_simple_error_msg_and_die("bad module name");
+
+ ch -= INDEX_MINCHAR;
+ if (!cur->children[ch]) {
+   n = xzalloc(sizeof(index_node));
+   cur->children[ch] = n;
+   n->prefix = xstrdup(&key[i+1]);
+   cur = n;
+   break;
+ }
+
+ /* Descend into child node and continue */
+ cur = cur->children[ch];
+ i++;
+ }
+
+ llist_add_to(&cur->values, value);
+ }
+}
+
+static uint32_t index_write_node(FILE *out, index_node *n, void (*freeit)(void *data))
+{
+   uint32_t
+   child_offs[INDEX_MAXCHAR-INDEX_MINCHAR];
+   uint32_t offset;
+   uint8_t first = 255, last = 0;
+   unsigned i;
+
+   for (i = 0; i < INDEX_MAXCHAR-INDEX_MINCHAR; i++) {
+     child_offs[i] = 0;
+     if (!n->children[i])
+       continue;
+     child_offs[i] = index_write_node(out, n->children[i], freeit);
+     if (first > INDEX_MAXCHAR)
+       first = i;

```

```

+ last = i;
+ }
+
+ offset = ftell(out);
+
+ if (n->prefix[0]) {
+ fputs(n->prefix, out);
+ fputc('\0', out);
+ offset |= INDEX_NODE_PREFIX;
+ }
+
+ if (first < INDEX_MAXCHAR) {
+ fputc(first + INDEX_MINCHAR, out);
+ fputc(last + INDEX_MINCHAR, out);
+ fwrite(child_offs + first, sizeof(uint32_t), last - first + 1, out);
+ offset |= INDEX_NODE_CHILDS;
+ }
+
+ if (n->values) {
+ const llist_t *v;
+ unsigned int cnt;
+ uint32_t u;
+
+ n->values = llist_rev(n->values);
+ for (v = n->values, cnt = 0; v != NULL; v = v->link, cnt++);
+ u = htonl(cnt);
+ fwrite(&u, sizeof(u), 1, out);
+ for (v = n->values, cnt = 0; v != NULL; v = v->link, cnt++) {
+ u
+ = htonl(cnt);
+ fwrite(&u, sizeof(u), 1, out);
+ fputs(v->data, out);
+ fputc('\0', out);
+ }
+ offset |= INDEX_NODE_VALUES;
+ }
+
+ llist_free(n->values, freeit);
+ free(n->prefix);
+ free(n);
+
+ return htonl(offset);
+}
+
+static void index_dump(const char *filename, int deps_file)
+{
+ if (ENABLE_FEATURE_MODUTILS_BIN) {
+ FILE *out;

```

```

+ uint32_t header[3] = {
+   htonl(INDEX_MAGIC),
+   htonl(INDEX_VERSION),
+ };
+
+ if (option_mask32 & OPT_n)
+   filename = "/dev/null";
+ else
+   filename = xasprintf("tmp.%s.bin", filename);
+
+ out = xfopen_for_write(filename);
+ fwrite(header, sizeof(uint32_t), 3, out);
+ header[2] = index_write_node(out, G.root_node, deps_file ? free : 0);
+ rewind(out);
+ G.root_node = NULL;
+ fwrite(header, sizeof(uint32_t), 3, out);
+ if (fclose(out)) {
+   remove(filename);
+   bb_simple_error_msg_and_die(bb_msg_write_error);
+ }
+ /* .bin files are mmap'ed; not renaming it may crash
+  * long standing daemon using libkmod */
+ rename_or_warn(filename,
+   filename + 4);
+ }
+}
+
int depmod_main(int argc, char **argv) MAIN_EXTERNALLY_VISIBLE;
int depmod_main(int argc UNUSED_PARAM, char **argv)
{
@@ -178,6 +348,8 @@ int depmod_main(int argc UNUSED_PARAM, char **argv)
  unsigned i;
  int tmp;

+ INIT_G();
+
  getopt32(argv, "aAb:eF:nruqC:", &moddir_base, NULL, NULL);
  argv += optind;

@@ -210,53 +382,60 @@ int depmod_main(int argc UNUSED_PARAM, char **argv)
}

/* Generate dependency and alias files */
- if (!(option_mask32 & OPT_n))
-   xfreopen_write(CONFIG_DEFAULT_DEPMOD_FILE, stdout);
-
+ index_init(CONFIG_DEFAULT_DEPMOD_FILE);
  moddb_foreach_module(&modules, m, i) {

```

```

- printf("%s:", m->name);
-
+ char *buf = xasprintf("%s:", m->name);
  order_dep_list(&modules, m, m->deps);
+
  while (m->dnnext != m) {
    dep = m->dnnext;
-   printf(" %s", dep->name);
-
+   buf = gather_options_str(buf, dep->name);
    /* unlink current entry */
    dep->dnnext->dprev = dep->dprev;
    dep->dprev->dnnext = dep->dnnext;
    dep->dnnext = dep->dprev = dep;
  }
-   bb_putchar('\n');
+   index_add(m->modname, buf, "");
  }
-
-#if ENABLE_FEATURE_MODUTILS_ALIAS
- if (!(option_mask32 & OPT_n))
-   xfreopen_write("modules.alias", stdout);
-   moddb_foreach_module(&modules, m, i) {
-     while (m->aliases) {
-       /*
-        * Last word used to be a basename
-        * (filename with path and .ko.* stripped)
-        * at the time of module-init-tools 3.4.
-        * kmod v.12 uses module name, i.e., s/-/_/g.
-        */
-       printf("alias %s %s\n",
-         (char*)llist_pop(&m->aliases),
-         m->modname);
+     index_dump(CONFIG_DEFAULT_DEPMOD_FILE, 1);
+
+   if (ENABLE_FEATURE_MODUTILS_ALIAS) {
+     index_init("modules.alias");
+     moddb_foreach_module(&modules, m, i) {
+       while (m->aliases) {
+         /*
+          * Last word used to be a basename
+          * (filename with path and .ko.* stripped)
+          * at the time of module-init-tools 3.4.
+          * kmod v.12 uses module name, i.e., s/-/_/g.
+          */
+         index_add((char*)llist_pop(&m->aliases), m->modname,
+           "alias ");
+       }

```



```

    }
+ index_dump("modules.alias", 0);
}
-#endif
-#if ENABLE_FEATURE_MODUTILS_SYMBOLS
- if (!(option_mask32 & OPT_n))
- xfreopen_write("modules.symbols", stdout);
- moddb_foreach_module(&modules, m, i) {
- while (m->symbols) {
- printf("alias symbol:%s %s\n",
- (char*)llist_pop(&m->symbols),
- m->modname);
+ if (ENABLE_FEATURE_MODUTILS_SYMBOLS) {
+ index_init("modules.symbols");
+ moddb_foreach_module(&modules, m, i) {
+ while (m->symbols) {
+ index_add((char*)llist_pop(&m->symbols), m->modname, "alias ");
+ }
+ }
+ index_dump("modules.symbols", 0);
+ }
+ if (ENABLE_FEATURE_MODUTILS_BIN) {
+ char line[PATH_MAX], modname[MODULE_NAME_LEN];
+ FILE *in;
+
+ index_init(NULL);
+ in = xopen_for_read("modules.builtin");
+ while (fgets(line, sizeof(line), in) != NULL) {
+ filename2modname(line, modname);
+ index_add(modname, (char *) "", 0);
+ }
+ fclose(in);
+ index_dump("modules.builtin", 0);
+ }
-#endif

if (ENABLE_FEATURE_CLEAN_UP)
    moddb_free(&modules);
diff --git a/modutils/modprobe.c b/modutils/modprobe.c
index 0a372a049..20a60c1a6 100644
--- a/modutils/modprobe.c
+++ b/modutils/modprobe.c
@@ -192,21 +192,6 @@ struct globals {

static int read_config(const char *path);

-static char *gather_options_str(char *opts, const char *append)
-{

```

```

- /* Speed-optimized. We call gather_options_str many times. */
- if (append) {
-   if (opts == NULL) {
-     opts = xstrdup(append);
-   } else {
-     int optlen = strlen(opts);
-     opts = xrealloc(opts, optlen + strlen(append) + 2);
-     sprintf(opts + optlen, " %s", append);
-   }
- }
- return opts;
-}
-
static struct module_entry *get_or_add_modentry(const char *module)
{
    return moddb_get_or_create(&G.db, module);
}
diff --git a/modutils/modutils.c b/modutils/modutils.c
index 6f7cd9721..257089af4 100644
--- a/modutils/modutils.c
+++ b/modutils/modutils.c
@@ -66,6 +66,21 @@ void FAST_FUNC moddb_free(module_db *db)
}

+char * FAST_FUNC gather_options_str(char *opts, const
+char *append)
+{
+ /* Speed-optimized. We call gather_options_str many times. */
+ if (append) {
+   if (opts == NULL) {
+     opts = xstrdup(append);
+   } else {
+     int optlen = strlen(opts);
+     opts = xrealloc(opts, optlen + strlen(append) + 2);
+     sprintf(opts + optlen, " %s", append);
+   }
+ }
+ return opts;
+}
+
void FAST_FUNC replace(char *s, char what, char with)
{
    while (*s) {
@@ -75,6 +90,22 @@ void FAST_FUNC replace(char *s, char what, char with)
}

+char* FAST_FUNC replace_underscores(char *s)

```

```

+{
+ int i;
+ for (i = 0; s[i]; i++) {
+ switch (s[i]) {
+ case '-':
+ s[i] = '_';
+ break;
+ case '[':
+ i += strcspn(&s[i], "[]");
+ break;
+ }
+ }
+ return s;
+}
+
int FAST_FUNC string_to_llist(char *string, llist_t **llist, const char *delim)
{
char *tok;
diff --git a/modutils/modutils.h b/modutils/modutils.h
index 4a702e97c..73e816028 100644
--- a/modutils/modutils.h
+++ b/modutils/modutils.h
@@ -18,6 +18,20 @@ PUSH_AND_SET_FUNCTION_VISIBILITY_TO_HIDDEN
#define MODULE_NAME_LEN 256
#define MODULE_HASH_SIZE 256

+/* .bin index format definitions */
+#define INDEX_MAGIC 0xB007F457
+#define INDEX_VERSION_MAJOR 0x0002
+#define INDEX_VERSION_MINOR 0x0001
+#define INDEX_VERSION ((INDEX_VERSION_MAJOR<<16)|INDEX_VERSION_MINOR)
+
+enum node_offset {
+ INDEX_NODE_FLAGS = 0xF0000000, /* Flags in high nibble */
+ INDEX_NODE_PREFIX = 0x80000000,
+ INDEX_NODE_VALUES = 0x40000000,
+ INDEX_NODE_CHILDS = 0x20000000,
+ INDEX_NODE_MASK = 0x0FFFFFFF, /* Offset value */
+};
+
typedef struct module_entry {
struct module_entry *next;
char *name, *modname;
@@ -47,9 +61,9 @@ module_entry *moddb_get(module_db *db, const char *s) FAST_FUNC;
module_entry *moddb_get_or_create(module_db *db, const char *s) FAST_FUNC;
void moddb_free(module_db *db) FAST_FUNC;

+char *gather_options_str(char *opts, const char *append) FAST_FUNC;

```

```
void replace(char *s, char what, char with) FAST_FUNC;
+char *replace_underscores(char *s) FAST_FUNC;
int string_to_llist(char
    *string, llist_t **llist, const char *delim) FAST_FUNC;
char *filename2modname(const char *filename, char *modname) FAST_FUNC;
#if ENABLE_FEATURE_CMDLINE_MODULE_OPTIONS

Found in path(s):
* /busybox-1-35-0-r31-zip/busybox/0009-depmod-support-generating-kmod-binary-index-files.patch
```

1.201 bridgeutils 1.36.1-r7

1.201.1 Available under license :

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

```
From 4eb6d6b1f36e9bf976549f3071beb1192e11c4ca Mon Sep 17 00:00:00 2001
From: =?UTF-8?q?Timo=20Ter=C3=A4s?= <timo.teras@iki.fi>
Date: Sun, 25 Oct 2015 12:33:58 +0200
Subject: [PATCH] depmod: support generating kmod binary index files
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 8bit
```

This allows to use busybox depmod, and run daemons using libkmod (or even kmod modprobe if needed).

About +1500 bytes when enabled. This patch merges some depmod code paths, so when this is disabled it shrinks the code size a little bit.

```
---
modutils/Config.src | 9 ++
modutils/depmod.c | 281 ++++++-----
modutils/modprobe.c | 15 ---
modutils/modutils.c | 31 +++++
modutils/modutils.h | 16 +++
5 files changed, 286 insertions(+), 66 deletions(-)
```

```
diff --git a/modutils/Config.src b/modutils/Config.src
index 188296814..7a4c037ad 100644
--- a/modutils/Config.src
+++
b/modutils/Config.src
@@ -152,6 +152,15 @@ config FEATURE_MODUTILS_ALIAS
```

Say Y if unsure.

```
+config FEATURE_MODUTILS_BIN
```

```

+ bool "Support for the kmod .bin file format"
+ default n
+ depends on DEPMOD && !MODPROBE_SMALL
+ help
+   Generate kmod compatible binary index files for .dep, .alias,
+   .symbols and .builtin files. Allows mixing use of busybox
+   modutils and kmod (binaries and library).
+
config FEATURE_MODUTILS_SYMBOLS
bool "Support module.symbols file"
default y
diff --git a/modutils/depmod.c b/modutils/depmod.c
index bb42bbefe..9b034db0a 100644
--- a/modutils/depmod.c
+++ b/modutils/depmod.c
@@ -2,7 +2,7 @@
/*
 * depmod - generate modules.dep
 * Copyright (c) 2008 Bernhard Reutner-Fischer
- * Copyrihgt (c) 2008 Timo Teras <timo.teras@iki.fi>
+ * Copyrihgt (c) 2008-2015 Timo Teras <timo.teras@iki.fi>
 * Copyright (c) 2008 Vladimir Dronnikov
 *
 * Licensed under GPLv2 or later, see file LICENSE in this source tree.
@@ -25,6 +25,24 @@
#include "modutils.h"
#include <sys/utsname.h> /* uname() */

+#define INDEX_MINCHAR 32
+#define INDEX_MAXCHAR 128
+
+typedef struct index_node {
+ char *prefix;
+ llist_t *values;
+ struct index_node *children[INDEX_MAXCHAR-INDEX_MINCHAR];
+} index_node;
+
+struct globals {
+ module_db db;
+ index_node *root_node;
+} FIX_ALIASING;
+#define G (*ptr_to_globals)
+#define INIT_G() do { \
+ SET_PTR_TO_GLOBALS(xzalloc(sizeof(G))); \
+} while (0)
+
/*
 * Theory of operation:

```

```

* - iterate over all modules and record their full path
@@ -53,18 +71,12 @@ static int FAST_FUNC parse_module(struct recursive_state *state,

for (ptr = image; ptr < image + len - 10; ptr++) {
    if (is_prefixed_with(ptr, "depends=")) {
-   char *u;
-
        ptr += 8;
-   for (u = ptr; *u; u++)
-   if (*u == '-')
-       *u = '_';
-   ptr += string_to_llist(ptr, &e->deps, ",");
+   string_to_llist(replace_underscores(ptr), &e->deps, ",");
    } else if (ENABLE_FEATURE_MODUTILS_ALIAS
        && is_prefixed_with(ptr, "alias="))
    ) {
-   llist_add_to(&e->aliases,
xstrdup(ptr + 6));
-   ptr += strlen(ptr);
+   llist_add_to(&e->aliases, replace_underscores(xstrdup(ptr + 6)));
    } else if (ENABLE_FEATURE_MODUTILS_SYMBOLS
        && is_prefixed_with(ptr, "__ksymtab_"))
    ) {
@@ -74,9 +86,10 @@ static int FAST_FUNC parse_module(struct recursive_state *state,
    ) {
        continue;
    }
-   llist_add_to(&e->symbols, xstrdup(ptr));
-   ptr += strlen(ptr);
-   }
+   llist_add_to(&e->symbols, xasprintf("symbol:%s", ptr));
+   } else
+   continue;
+   ptr += strlen(ptr);
    }
    free(image);

@@ -108,12 +121,6 @@ static void order_dep_list(module_db *modules, module_entry *start, llist_t *add
    }
}

-static void xfreopen_write(const char *file, FILE *f)
-{
-   if (freopen(file, "w", f) == NULL)
-   bb_perror_msg_and_die("can't open '%s'", file);
-}
-
//usage:#if !ENABLE_MODPROBE_SMALL

```

```

//usage:#define depmod_trivial_usage "[ -n ] [ -b BASE ] [ VERSION ] [ MODFILES ]..."
//usage:#define depmod_full_usage "\n\n"
@@ -167,6 +174,169 @@ enum {
    OPT_C
    = (1 << 9), /* -C,--config etc_modules_conf: ignored */
};

+/* Support for the mod binary index generation */
+
+static void index_init(const char *filename)
+{
+    if (ENABLE_FEATURE_MODUTILS_BIN) {
+        index_node *n;
+
+        n = xzalloc(sizeof(index_node));
+        n->prefix = xstrdup("");
+        G.root_node = n;
+    }
+
+    if (filename && !(option_mask32 & OPT_n)) {
+        if (freopen(filename, "w", stdout) == NULL)
+            bb_perror_msg_and_die("can't open '%s'", filename);
+    }
+
+    static void index_add(const char *key, char *value, const char *prefix)
+    {
+        if (prefix && *prefix)
+            printf("%s%s %s\n", prefix, key, value);
+        else if (prefix)
+            printf("%s\n", value);
+
+        if (ENABLE_FEATURE_MODUTILS_BIN) {
+            index_node *cur = G.root_node, *n;
+            unsigned i = 0, j, ch;
+
+            while (1) {
+                /* Ensure node->prefix is a prefix of &str[i].
+                 * If it is not already, then we must split node. */
+                for (j = 0; cur->prefix[j]; j++) {
+                    ch = cur->prefix[j];
+                    if (ch != key[i+j]) {
+                        /* New child
+                         is copy of node with prefix[j+1..N] */
+                        n = xzalloc(sizeof(index_node));
+                        n->prefix = xstrdup(&cur->prefix[j+1]);
+                        n->values = cur->values;
+                        memcpy(n->children, cur->children, sizeof(n->children));

```

```

+
+ /* Parent has prefix[0..j], child at prefix[j] */
+ cur->prefix[j] = '\0';
+ cur->values = NULL;
+ memset(cur->children, 0, sizeof(cur->children));
+ cur->children[ch-INDEX_MINCHAR] = n;
+ break;
+ }
+ }
+ i += j;
+
+ ch = key[i];
+ if (ch == 0)
+ break;
+
+ if (ch < INDEX_MINCHAR || ch >= INDEX_MAXCHAR)
+ bb_simple_error_msg_and_die("bad module name");
+
+ ch -= INDEX_MINCHAR;
+ if (!cur->children[ch]) {
+ n = xzalloc(sizeof(index_node));
+ cur->children[ch] = n;
+ n->prefix = xstrdup(&key[i+1]);
+ cur = n;
+ break;
+ }
+
+ /* Descend into child node and continue */
+ cur = cur->children[ch];
+ i++;
+ }
+
+ llist_add_to(&cur->values, value);
+ }
+}
+
+static uint32_t index_write_node(FILE *out,
+ index_node *n, void (*freeit)(void *data))
+{
+ uint32_t child_offs[INDEX_MAXCHAR-INDEX_MINCHAR];
+ uint32_t offset;
+ uint8_t first = 255, last = 0;
+ unsigned i;
+
+ for (i = 0; i < INDEX_MAXCHAR-INDEX_MINCHAR; i++) {
+ child_offs[i] = 0;
+ if (!n->children[i])
+ continue;

```



```

+ child_offs[i] = index_write_node(out, n->children[i], freeit);
+ if (first > INDEX_MAXCHAR)
+   first = i;
+ last = i;
+ }
+
+ offset = ftell(out);
+
+ if (n->prefix[0]) {
+   fputs(n->prefix, out);
+   fputc('\0', out);
+   offset |= INDEX_NODE_PREFIX;
+ }
+
+ if (first < INDEX_MAXCHAR) {
+   fputc(first + INDEX_MINCHAR, out);
+   fputc(last + INDEX_MINCHAR, out);
+   fwrite(child_offs + first, sizeof(uint32_t), last - first + 1, out);
+   offset |= INDEX_NODE_CHILDS;
+ }
+
+ if (n->values) {
+   const llist_t *v;
+   unsigned int cnt;
+   uint32_t u;
+
+   n->values = llist_rev(n->values);
+   for (v = n->values, cnt = 0; v != NULL; v = v->link, cnt++);
+   u = htonl(cnt);
+   fwrite(&u, sizeof(u), 1, out);
+   for (v
+        = n->values, cnt = 0; v != NULL; v = v->link, cnt++) {
+     u = htonl(cnt);
+     fwrite(&u, sizeof(u), 1, out);
+     fputs(v->data, out);
+     fputc('\0', out);
+   }
+   offset |= INDEX_NODE_VALUES;
+ }
+
+ llist_free(n->values, freeit);
+ free(n->prefix);
+ free(n);
+
+ return htonl(offset);
+}
+
+static void index_dump(const char *filename, int deps_file)

```

```

+{
+ if (ENABLE_FEATURE_MODUTILS_BIN) {
+ FILE *out;
+ uint32_t header[3] = {
+ htonl(INDEX_MAGIC),
+ htonl(INDEX_VERSION),
+ };
+
+
+ if (option_mask32 & OPT_n)
+ filename = "/dev/null";
+ else
+ filename = xasprintf("tmp.%s.bin", filename);
+
+ out = xfopen_for_write(filename);
+ fwrite(header, sizeof(uint32_t), 3, out);
+ header[2] = index_write_node(out, G.root_node, deps_file ? free : 0);
+ rewind(out);
+ G.root_node = NULL;
+ fwrite(header, sizeof(uint32_t), 3, out);
+ if (fclose(out)) {
+ remove(filename);
+ bb_simple_error_msg_and_die(bb_msg_write_error);
+ }
+ /* .bin files are mmap'ed; not renaming it
+ may crash
+ * long standing daemon using libkmod */
+ rename_or_warn(filename, filename + 4);
+ }
+}
+
int depmod_main(int argc, char **argv) MAIN_EXTERNALLY_VISIBLE;
int depmod_main(int argc UNUSED_PARAM, char **argv)
{
@@ -178,6 +348,8 @@ int depmod_main(int argc UNUSED_PARAM, char **argv)
unsigned i;
int tmp;

+ INIT_G();
+
getopt32(argv, "aAb:eF:nruqC:", &moddir_base, NULL, NULL);
argv += optind;

@@ -211,53 +383,60 @@ int depmod_main(int argc UNUSED_PARAM, char **argv)
}

/* Generate dependency and alias files */
- if (!(option_mask32 & OPT_n))
- xfreopen_write(CONFIG_DEFAULT_DEPMOD_FILE, stdout);

```

```

-
+ index_init(CONFIG_DEFAULT_DEPMOD_FILE);
moddb_foreach_module(&modules, m, i) {
- printf("%s:", m->name);
-
+ char *buf = xasprintf("%s:", m->name);
order_dep_list(&modules, m, m->deps);
+
while (m->dnnext != m) {
dep = m->dnnext;
- printf(" %s", dep->name);
-
+ buf = gather_options_str(buf, dep->name);
/* unlink current entry */
dep->dnnext->dprev
= dep->dprev;
dep->dprev->dnnext = dep->dnnext;
dep->dnnext = dep->dprev = dep;
}
- bb_putchar('\n');
+ index_add(m->modname, buf, "");
}
-
-#if ENABLE_FEATURE_MODUTILS_ALIAS
- if (!(option_mask32 & OPT_n))
- xfreopen_write("modules.alias", stdout);
- moddb_foreach_module(&modules, m, i) {
- while (m->aliases) {
- /*
-  * Last word used to be a basename
-  * (filename with path and .ko.* stripped)
-  * at the time of module-init-tools 3.4.
-  * kmod v.12 uses module name, i.e., s/-/_/g.
-  */
- printf("alias %s %s\n",
- (char*)llist_pop(&m->aliases),
- m->modname);
+ index_dump(CONFIG_DEFAULT_DEPMOD_FILE, 1);
+
+ if (ENABLE_FEATURE_MODUTILS_ALIAS) {
+ index_init("modules.alias");
+ moddb_foreach_module(&modules, m, i) {
+ while (m->aliases) {
+ /*
+  * Last word used to be a basename
+  * (filename with path and .ko.* stripped)
+  * at the time of module-init-tools 3.4.
+  * kmod v.12 uses module name, i.e., s/-/_/g.

```

```

+ */
+ index_add((char*)llist_pop(&m->aliases),
+ m->modname, "alias ");
+ }
+ }
+ index_dump("modules.alias", 0);
+ }
-#endif
-#if ENABLE_FEATURE_MODUTILS_SYMBOLS
- if (!(option_mask32 & OPT_n))
-  xfreopen_write("modules.symbols", stdout);
- moddb_foreach_module(&modules, m, i) {
-  while (m->symbols) {
-   printf("alias symbol:%s %s\n",
-   (char*)llist_pop(&m->symbols),
-   m->modname);
+ if (ENABLE_FEATURE_MODUTILS_SYMBOLS) {
+  index_init("modules.symbols");
+  moddb_foreach_module(&modules, m, i) {
+   while (m->symbols) {
+    index_add((char*)llist_pop(&m->symbols), m->modname, "alias ");
+   }
+  }
+  index_dump("modules.symbols", 0);
+ }
+ if (ENABLE_FEATURE_MODUTILS_BIN) {
+  char line[PATH_MAX], modname[MODULE_NAME_LEN];
+  FILE *in;
+
+  index_init(NULL);
+  in = xopen_for_read("modules.builtin");
+  while (fgets(line, sizeof(line), in) != NULL) {
+   filename2modname(line, modname);
+   index_add(modname, (char *) "", 0);
+  }
+  fclose(in);
+  index_dump("modules.builtin",
+  0);
+ }
-#endif

if (ENABLE_FEATURE_CLEAN_UP)
  moddb_free(&modules);
diff --git a/modutils/modprobe.c b/modutils/modprobe.c
index 235706fd5..604d9e6b5 100644
--- a/modutils/modprobe.c
+++ b/modutils/modprobe.c
@@ -191,21 +191,6 @@ struct globals {

```

```

static int read_config(const char *path);

-static char *gather_options_str(char *opts, const char *append)
-{
- /* Speed-optimized. We call gather_options_str many times. */
- if (append) {
-   if (opts == NULL) {
-     opts = xstrdup(append);
-   } else {
-     int optlen = strlen(opts);
-     opts = xrealloc(opts, optlen + strlen(append) + 2);
-     sprintf(opts + optlen, " %s", append);
-   }
- }
- return opts;
-}
-
static struct module_entry *get_or_add_modentry(const char *module)
{
  return moddb_get_or_create(&G.db, module);
}
diff --git a/modutils/modutils.c b/modutils/modutils.c
index 037d609e4..502ad5422 100644
--- a/modutils/modutils.c
+++ b/modutils/modutils.c
@@ -67,6 +67,21 @@ void FAST_FUNC moddb_free(module_db *db)
 }
 }

+char * FAST_FUNC gather_options_str(char *opts, const char *append)
+{
+ /* Speed-optimized. We call gather_options_str many times. */
+ if (append) {
+   if (opts == NULL) {
+     opts = xstrdup(append);
+   } else {
+     int optlen = strlen(opts);
+     opts = xrealloc(opts, optlen + strlen(append) + 2);
+     sprintf(opts + optlen, " %s", append);
+   }
+ }
+ return opts;
+}
+
void FAST_FUNC replace(char *s, char what, char with)
{
  while (*s) {
@@ -76,6 +91,22 @@ void FAST_FUNC replace(char *s, char what, char with)

```

```

}
}

+char* FAST_FUNC replace_underscores(char *s)
+{
+ int i;
+ for (i = 0; s[i]; i++) {
+ switch (s[i]) {
+ case '-':
+ s[i] = '_';
+ break;
+ case '[':
+ i += strcspn(&s[i], "[]");
+ break;
+ }
+ }
+ return s;
+}
+
int FAST_FUNC string_to_llist(char *string, llist_t **llist, const char *delim)
{
char *tok;
diff --git a/modutils/modutils.h b/modutils/modutils.h
index 4a702e97c..73e816028 100644
--- a/modutils/modutils.h
+++ b/modutils/modutils.h
@@
-18,6 +18,20 @@ PUSH_AND_SET_FUNCTION_VISIBILITY_TO_HIDDEN
#define MODULE_NAME_LEN 256
#define MODULE_HASH_SIZE 256

+/* .bin index format definitions */
+#define INDEX_MAGIC 0xB007F457
+#define INDEX_VERSION_MAJOR 0x0002
+#define INDEX_VERSION_MINOR 0x0001
+#define INDEX_VERSION ((INDEX_VERSION_MAJOR<<16)|INDEX_VERSION_MINOR)
+
+enum node_offset {
+ INDEX_NODE_FLAGS = 0xF0000000, /* Flags in high nibble */
+ INDEX_NODE_PREFIX = 0x80000000,
+ INDEX_NODE_VALUES = 0x40000000,
+ INDEX_NODE_CHILDS = 0x20000000,
+ INDEX_NODE_MASK = 0x0FFFFFFF, /* Offset value */
+};
+
typedef struct module_entry {
struct module_entry *next;
char *name, *modname;

```

```

@@ -47,7 +61,9 @@ module_entry *moddb_get(module_db *db, const char *s) FAST_FUNC;
module_entry *moddb_get_or_create(module_db *db, const char *s) FAST_FUNC;
void moddb_free(module_db *db) FAST_FUNC;

+char *gather_options_str(char *opts, const char *append) FAST_FUNC;
void replace(char *s, char what, char with) FAST_FUNC;
+char *replace_underscores(char
*s) FAST_FUNC;
int string_to_llist(char *string, llist_t **llist, const char *delim) FAST_FUNC;
char *filename2modname(const char *filename, char *modname) FAST_FUNC;
#if ENABLE_FEATURE_CMDLINE_MODULE_OPTIONS

```

Found in path(s):

* /busybox-1-36-1-r7-zip/busybox/0019-depmod-support-generating-kmod-binary-index-files.patch

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

From 7ea459b570760f8e836d05e58422dbd3a7d1b016 Mon Sep 17 00:00:00 2001

From: =?UTF-8?q?S=C3=B6ren=20Tempel?= <soeren+git@soeren-tempel.net>

Date: Sun, 19 Jun 2022 17:49:41 +0200

Subject: [PATCH] umount: Implement -O option to unmount by mount options

MIME-Version: 1.0

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: 8bit

This commit adds an implementation of the umount -O option, as provided by util-linux's mount(8) implementation, to BusyBox. Similar to -t, the option is intended to be used in conjunction with -a thereby allowing users to filter which file systems are unmounted by mount options. Multiple options can be specified with -O, all of which need to match. Each option can be prefixed with `no` to indicate that no action should be taken for a mount point with this mount option. The "no" prefix interpretation can be disabled using the "+" prefix.

At Alpine, this feature is often requested

by users as the OpenRC

netmount service uses `umount -a -O \_netdev` to amount all network file systems [1] [2].

This implementation is functionally equivalent to the util-linux implementation with the exception that it implements no special handling for `key="value"` mount options to keep the implementation simple. Therefore, filesystems mounted with options like `foo="bar"` won't be matched by `umount -a -O foo`.

[1]: <https://gitlab.alpinelinux.org/alpine/aports/-/issues/9923>

[2]: <https://gitlab.alpinelinux.org/alpine/aports/-/issues/13789>

Signed-off-by: Sören Tempel <soeren@soeren-tempel.net>

Signed-off-by: Sören Tempel <soeren+git@soeren-tempel.net>

```
include/libbb.h      | 1 +
libbb/Kbuild.src     | 1 +
libbb/match_fsopts.c | 69 ++++++
util-linux/umount.c  | 10 +++++--
4 files changed, 78 insertions(+), 3 deletions(-)
create mode 100644 libbb/match_fsopts.c
```

diff --git a/include/libbb.h b/include/libbb.h

index cca33a177..ad41adec8

100644

--- a/include/libbb.h

+++ b/include/libbb.h

@@ -1586,6 +1586,7 @@ const struct hwtype *get_hwntype(int type) FAST_FUNC;

extern int fstype_matches(const char *fstype, const char *comma_list) FAST_FUNC;

+extern int fsops_matches(const char *opts_list, const char *reqopts_list) FAST_FUNC;

#ifdef HAVE_MNTENT_H

extern struct mntent *find_mount_point(const char *name, int subdir_too) FAST_FUNC;

#endif

diff --git a/libbb/Kbuild.src b/libbb/Kbuild.src

index 653025e56..4bb8260b9 100644

--- a/libbb/Kbuild.src

+++ b/libbb/Kbuild.src

@@ -120,6 +120,7 @@ lib-y += xrealloc_vector.o

lib-\$(CONFIG_MOUNT) += match_fstype.o

lib-\$(CONFIG_UMOUNT) += match_fstype.o

+lib-\$(CONFIG_UMOUNT) += match_fsops.o

lib-\$(CONFIG_FEATURE_UTMP) += utmp.o

diff --git a/libbb/match_fsopts.c b/libbb/match_fsopts.c

new file mode 100644

index 000000000..b1cc85c3c

--- /dev/null

+++ b/libbb/match_fsopts.c

@@ -0,0 +1,69 @@

+/* vi: set sw=4 ts=4: */

+/*

+ * Match fsops for use in mount unmount -O.

+ *

+ *

Returns 1 for a match, otherwise 0.

+ *

+ * Licensed under GPLv2 or later, see file LICENSE in this source tree.


```

+ */
+
+ #include "libbb.h"
+
+ static int fsopt_matches(const char *opts_list, const char *opt, size_t optlen)
+ {
+     int match = 1;
+
+     if (optlen >= 2 && opt[0] == 'n' && opt[1] == 'o') {
+         match--;
+         opt += 2; optlen -= 2;
+     }
+
+     /* The alone "no" is an error, all matching ends with False. */
+     if (optlen == 0)
+         return 0;
+
+     /* The "no" prefix interpretation can be disabled by the "+" prefix. */
+     if (match && optlen > 1 && *opt == '+') {
+         opt++; optlen--;
+     }
+
+     while (1) {
+         if (strncmp(opts_list, opt, optlen) == 0) {
+             const char *after_opt = opts_list + optlen;
+             if (*after_opt == '\0' || *after_opt == ',')
+                 return match;
+         }
+
+         opts_list = strchr(opts_list, ',');
+         if (!opts_list)
+             break;
+         opts_list++;
+     }
+
+     return !match;
+ }
+
+ /* This function implements the mnt_match_options function from libmount. */
+ int FAST_FUNC fsopts_matches(const
+     char *opts_list, const char *reqopts_list)
+ {
+     if (!reqopts_list)
+         return 1; /* no options requested, match anything */
+
+     while (1) {
+         size_t len;
+         const char *comma = strchr(reqopts_list, ',');

```

```

+ if (!comma)
+ len = strlen(reqopts_list);
+ else
+ len = comma - reqopts_list;
+
+ if (len && !fsopt_matches(opts_list, reqopts_list, len))
+ return 0;
+
+ if (!comma)
+ break;
+ reqopts_list = ++comma;
+ }
+
+ return 1;
+}
diff --git a/util-linux/umount.c b/util-linux/umount.c
index 23da32868..7a54cafb0 100644
--- a/util-linux/umount.c
+++ b/util-linux/umount.c
@@ -41,7 +41,7 @@
//kbuild:lib-$(CONFIG_UMOUNT) += umount.o

//usage:#define umount_trivial_usage
-//usage:      "[-
rIf"IF_FEATURE_MTAB_SUPPORT("m")IF_FEATURE_MOUNT_LOOP("d")IF_FEATURE_UMOUNT_ALL(
"a")"] [-t FSTYPE] FILESYSTEM|DIRECTORY"
+//usage:      "[-
rIf"IF_FEATURE_MTAB_SUPPORT("m")IF_FEATURE_MOUNT_LOOP("d")IF_FEATURE_UMOUNT_ALL(
"a")"] [-t FSTYPE] [-O FSOPT] FILESYSTEM|DIRECTORY"
//usage:#define umount_full_usage
"\n\n"
//usage:      "Unmount filesystems\n"
//usage: IF_FEATURE_UMOUNT_ALL(
@@ -57,6 +57,6 @@
//usage:      "\n -d Free loop device if it has been used"
//usage: )
//usage:      "\n -t FSTYPE[,...] Unmount only these filesystem type(s)"
+//usage:      "\n -O FSOPT[,...] Unmount only filesystem mounted with the given options"
//usage:
//usage:#define umount_example_usage
//usage:      "$ umount /dev/hdc1\n"
@@ -82,7 +82,7 @@
static struct mntent *getmntent_r(FILE* stream, struct mntent* result,
#endif

/* ignored: -c -v -i */
#define OPTION_STRING      "fldnrat:" "cvi"
#define OPTION_STRING      "fldnrat:O:" "cvi"
#define OPT_FORCE          (1 << 0) // Same as MNT_FORCE

```

```

#define OPT_LAZY          (1 << 1) // Same as MNT_DETACH
#define OPT_FREELOOP      (1 << 2)
@@ -96,6 +97,7 @@ int umount_main(int argc UNUSED_PARAM, char **argv)
    int doForce;
    struct mntent me;
    FILE *fp;
+   char *opts = NULL;
    char *fstype = NULL;
    int status =
    EXIT_SUCCESS;
    unsigned opt;
@@ -105,7 +107,7 @@ int umount_main(int argc UNUSED_PARAM, char **argv)
    struct mtab_list *next;
} *mtl, *m;

- opt = getopt32(argv, OPTION_STRING, &fstype);
+ opt = getopt32(argv, OPTION_STRING, &fstype, &opts);
//argc -= optind;
argv += optind;

@@ -133,6 +135,8 @@ int umount_main(int argc UNUSED_PARAM, char **argv)
    /* Match fstype (fstype==NULL matches always) */
    if (!fstype_matches(me.mnt_type, fstype))
        continue;
+   if (!fsops_matches(me.mnt_opts, opts))
+       continue;
    m = xzalloc(sizeof(*m));
    m->next = mtl;
    m->device = xstrdup(me.mnt_fsname);

```

Found in path(s):

* /busybox-1-36-1-r7-zip/busybox/0027-umount-Implement-O-option-to-unmount-by-mount-option.patch

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

/*

* Copyright (C) 2008 Natanael Copa <natanael.copa@gmail.com>

* All rights reserved.

*

* This program is free software; you can redistribute it and/or modify it

* under the terms of the GNU General Public License version 2 as published

* by the Free Software Foundation. See <http://www.gnu.org/> for details.

*

*/

Found in path(s):

* /busybox-1-36-1-r7-zip/busybox/bbsuid.c

1.202 libbacktrace 12.2.1_git20220924-r4

1.202.1 Available under license :

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

From 75d1a35180cf0967f062765314bf091a64032062 Mon Sep 17 00:00:00 2001

From: Ariadne Conill <ariadne@dereferenced.org>

Date: Fri, 21 Aug 2020 06:46:56 +0000

Subject: [PATCH] On linux targets pass --as-needed by default to the linker,
but always link the sanitizer libraries with --no-as-needed.

```
gcc/config/aarch64/aarch64-linux.h | 1 +
gcc/config/alpha/linux-elf.h       | 2 +-
gcc/config/arm/linux-elf.h         | 1 +
gcc/config/gnu-user.h              | 6 +++---
gcc/config/i386/gnu-user.h         | 2 +-
gcc/config/i386/gnu-user64.h       | 1 +
gcc/config/ia64/linux.h            | 2 +-
gcc/config/mips/gnu-user.h         | 1 +
gcc/config/riscv/linux.h           | 1 +
gcc/config/rs6000/linux64.h        | 4 +++--
gcc/config/rs6000/sysv4.h          | 2 +-
gcc/config/s390/linux.h            | 2 +-
gcc/config/sparc/linux.h           | 2 +-
gcc/gcc.cc                         | 28 ++++++-----
14 files changed, 36 insertions(+), 19 deletions(-)
```

diff --git a/gcc/config/aarch64/aarch64-linux.h b/gcc/config/aarch64/aarch64-linux.h

index 5e4553d79f5..b516f3ef97f 100644

--- a/gcc/config/aarch64/aarch64-linux.h

+++ b/gcc/config/aarch64/aarch64-linux.h

@@ -35,6 +35,7 @@

#define CPP_SPEC "%{pthread:-D_REENTRANT}"

#define LINUX_TARGET_LINK_SPEC "%{h*} \

+ --as-needed \

%{static:-Bstatic} \

%{shared:-shared} \

%{symbolic:-Bsymbolic} \

diff --git a/gcc/config/alpha/linux-elf.h b/gcc/config/alpha/linux-elf.h

index 17f16a55910..9ec667e9a5e 100644

--- a/gcc/config/alpha/linux-elf.h

+++ b/gcc/config/alpha/linux-elf.h

@@ -37,7 +37,7 @@ along with GCC; see the file COPYING3. If not see

#define ELF_DYNAMIC_LINKER GNU_USER_DYNAMIC_LINKER

```

-#define LINK_SPEC "-m elf64alpha %{G*} %{relax:-relax} \
+#define LINK_SPEC "-m elf64alpha --as-needed %{G*} %{relax:-relax} \
    %{O*:-O3} %{!O*:-O1} \
    %{shared:-shared} \
    %{!shared: \
diff
--git a/gcc/config/arm/linux-elf.h b/gcc/config/arm/linux-elf.h
index df3da67c4f0..7532bc29f9b 100644
--- a/gcc/config/arm/linux-elf.h
+++ b/gcc/config/arm/linux-elf.h
@@ -70,6 +70,7 @@ @@
    %{rdynamic:-export-dynamic} \
    %{!shared:-dynamic-linker " GNU_USER_DYNAMIC_LINKER "}} \
-X \
+ --as-needed \
    %{mbig-endian:-EB} %{mlittle-endian:-EL}" \
SUBTARGET_EXTRA_LINK_SPEC

diff --git a/gcc/config/gnu-user.h b/gcc/config/gnu-user.h
index 857c0e077bf..8433e56c3e1 100644
--- a/gcc/config/gnu-user.h
+++ b/gcc/config/gnu-user.h
@@ -136,7 +136,7 @@ @@ see the files COPYING3 and COPYING.RUNTIME respectively. If not, see
#define LIBASAN_EARLY_SPEC "%{!shared:libasan_preinit%O%s} " \
    "%{static-libasan:%{!shared:" \
    LD_STATIC_OPTION " --whole-archive -lasan --no-whole-archive " \
- LD_DYNAMIC_OPTION "}}%{!static-libasan:-lasan}"
+ LD_DYNAMIC_OPTION "}}%{!static-libasan:%{!fuse-ld=gold:--push-state} --no-as-needed -lasan %{fuse-ld=gold:--as-needed;--pop-state}}"
#undef LIBHWASAN_EARLY_SPEC
#define LIBHWASAN_EARLY_SPEC "%{static-libhwasan:%{!shared:" \
    LD_STATIC_OPTION " --whole-archive -lhwasan --no-whole-archive " \
@@ -145,12 +145,12 @@ @@ see the files COPYING3 and COPYING.RUNTIME respectively. If not, see
#define LIBTSAN_EARLY_SPEC "%{!shared:libtsan_preinit%O%s} " \
    "%{static-libtsan:%{!shared:" \
    LD_STATIC_OPTION " --whole-archive -ltsan --no-whole-archive " \
- LD_DYNAMIC_OPTION "}}%{!static-libtsan:-ltsan}"
+ LD_DYNAMIC_OPTION "}}%{!static-libtsan:%{!fuse-ld=gold:--push-state} --no-as-needed -ltsan %{fuse-ld=gold:--as-needed;--pop-state}}"
#undef LIBLSAN_EARLY_SPEC
#define LIBLSAN_EARLY_SPEC "%{!shared:liblsan_preinit%O%s} " \
    "%{static-liblsan:%{!shared:" \
    LD_STATIC_OPTION " --whole-archive -llsan --no-whole-archive " \
- LD_DYNAMIC_OPTION "}}%{!static-liblsan:-llsan}"
+ LD_DYNAMIC_OPTION "}}%{!static-liblsan:%{!fuse-ld=gold:--push-state} --no-as-needed -llsan %{fuse-ld=gold:--as-needed;--pop-state}}"
#endif

```

```

#undef TARGET_F951_OPTIONS
diff --git a/gcc/config/i386/gnu-user.h b/gcc/config/i386/gnu-user.h
index 0102b2a6f3b..994414c1845 100644
--- a/gcc/config/i386/gnu-user.h
+++ b/gcc/config/i386/gnu-user.h
@@ -68,7 +68,7 @@ along with GCC; see the file COPYING3. If not see
 { "link_emulation", GNU_USER_LINK_EMULATION },\
 { "dynamic_linker", GNU_USER_DYNAMIC_LINKER }

-#define GNU_USER_TARGET_LINK_SPEC "-m %(link_emulation) %{shared:-shared} \
+#define GNU_USER_TARGET_LINK_SPEC "-m %(link_emulation) --as-needed %{shared:-shared} \
    %{!shared: \
        %{!static: \
            %{!static-pie: \
diff --git a/gcc/config/i386/gnu-user64.h b/gcc/config/i386/gnu-user64.h
index abc8cf624ca..fe656aeae27 100644
--- a/gcc/config/i386/gnu-user64.h
+++ b/gcc/config/i386/gnu-user64.h
@@ -56,6 +56,6 @@ see the files COPYING3 and COPYING.RUNTIME respectively. If not, see
    "%{" SPEC_64 ":-m " GNU_USER_LINK_EMULATION64 "}" \
    "%{" SPEC_32 ":-m " GNU_USER_LINK_EMULATION32
"} \
    "%{" SPEC_X32 ":-m " GNU_USER_LINK_EMULATIONX32 "}" \
+ --as-needed \
    %{shared:-shared} \
    %{!shared: \
        %{!static: \
diff --git a/gcc/config/ia64/linux.h b/gcc/config/ia64/linux.h
index 93510098ccc..3813e536423 100644
--- a/gcc/config/ia64/linux.h
+++ b/gcc/config/ia64/linux.h
@@ -58,7 +58,7 @@ do { \
#define GLIBC_DYNAMIC_LINKER "/lib/ld-linux-ia64.so.2"

#undef LINK_SPEC
-#define LINK_SPEC "\
+#define LINK_SPEC " --as-needed \
    %{shared:-shared} \
    %{!shared: \
        %{!static: \
diff --git a/gcc/config/mips/gnu-user.h b/gcc/config/mips/gnu-user.h
index 6aad7192e69..e1256a55add 100644
--- a/gcc/config/mips/gnu-user.h
+++ b/gcc/config/mips/gnu-user.h
@@ -55,6 +55,6 @@ along with GCC; see the file COPYING3. If not see
#undef GNU_USER_TARGET_LINK_SPEC
#define GNU_USER_TARGET_LINK_SPEC "\

```

```

%{G*} %{EB} %{EL} %{mips*} %{shared} \
+ -as-needed \
%{!shared: \
%{!static: \
%{rdynamic:-export-dynamic} \
diff --git a/gcc/config/riscv/linux.h
b/gcc/config/riscv/linux.h
index 38803723ba9..3067ed6eac8 100644
--- a/gcc/config/riscv/linux.h
+++ b/gcc/config/riscv/linux.h
@@ -58,6 +58,7 @@ along with GCC; see the file COPYING3. If not see
"%{mabi=ilp32:_ilp32}"

#define LINK_SPEC "\
+ -as-needed \
-melf" XLEN_SPEC DEFAULT_ENDIAN_SPEC "riscv" LD_EMUL_SUFFIX "\
%{mno-relax:--no-relax} \
%{mbig-endian:-EB} \
diff --git a/gcc/config/rs6000/linux64.h b/gcc/config/rs6000/linux64.h
index b2a7afabc73..34ceb4e4fce 100644
--- a/gcc/config/rs6000/linux64.h
+++ b/gcc/config/rs6000/linux64.h
@@ -377,13 +377,13 @@ extern int dot_symbols;
" -m elf64ppc")
#endif

-#define LINK_OS_LINUX_SPEC32 LINK_OS_LINUX_EMUL32 " %{!shared: %{!static: \
+#define LINK_OS_LINUX_SPEC32 LINK_OS_LINUX_EMUL32 " --as-needed %{!shared: %{!static: \
%{!static-pie: \
%{rdynamic:-export-dynamic} \
-dynamic-linker " GNU_USER_DYNAMIC_LINKER32 "}}} \
%(link_os_extra_spec32)"

-#define LINK_OS_LINUX_SPEC64 LINK_OS_LINUX_EMUL64
" %{!shared: %{!static: \
+#define LINK_OS_LINUX_SPEC64 LINK_OS_LINUX_EMUL64 " --as-needed %{!shared: %{!static: \
%{!static-pie: \
%{rdynamic:-export-dynamic} \
-dynamic-linker " GNU_USER_DYNAMIC_LINKER64 "}}} \
diff --git a/gcc/config/rs6000/sysv4.h b/gcc/config/rs6000/sysv4.h
index 7e2519de5d4..61215a7a1b3 100644
--- a/gcc/config/rs6000/sysv4.h
+++ b/gcc/config/rs6000/sysv4.h
@@ -788,7 +788,7 @@ GNU_USER_TARGET_CC1_SPEC
#define GNU_USER_DYNAMIC_LINKER GLIBC_DYNAMIC_LINKER
#endif

-#define LINK_OS_LINUX_SPEC "-m elf32ppclinux %{!shared: %{!static: \

```

```

#define LINK_OS_LINUX_SPEC "-m elf32ppclinux --as-needed %{!shared: %{!static: \
    %{rdynamic:-export-dynamic} \
    -dynamic-linker " GNU_USER_DYNAMIC_LINKER "}"

diff --git a/gcc/config/s390/linux.h b/gcc/config/s390/linux.h
index d7b7e7a7b02..d2287f14f2e 100644
--- a/gcc/config/s390/linux.h
+++ b/gcc/config/s390/linux.h
@@ -82,7 +82,7 @@ along with GCC; see the file COPYING3. If not see

#undef LINK_SPEC
#define
LINK_SPEC \
- "%{m31:-m elf_s390}%{m64:-m elf64_s390} \
+ "%{m31:-m elf_s390}%{m64:-m elf64_s390} --as-needed \
    %{shared:-shared} \
    %{!shared: \
        %{static:-static} \
diff --git a/gcc/config/sparc/linux.h b/gcc/config/sparc/linux.h
index 6a809e9092d..93bfb92d3ff 100644
--- a/gcc/config/sparc/linux.h
+++ b/gcc/config/sparc/linux.h
@@ -81,7 +81,7 @@ extern const char *host_detect_local_cpu (int argc, const char **argv);
#define GLIBC_DYNAMIC_LINKER "/lib/ld-linux.so.2"

#undef LINK_SPEC
-#define LINK_SPEC "-m elf32_sparc %{shared:-shared} \
+#define LINK_SPEC "-m elf32_sparc --as-needed %{shared:-shared} \
    %{!mno-relax:%{!r:-relax}} \
    %{!shared: \
        %{!static: \
diff --git a/gcc/gcc.cc b/gcc/gcc.cc
index d18b5d7b59a..3b76311b544 100644
--- a/gcc/gcc.cc
+++ b/gcc/gcc.cc
@@ -744,8 +744,11 @@ proper position among the other output files. */
#ifdef LIBASAN_EARLY_SPEC
#define LIBASAN_SPEC STATIC_LIBASAN_LIBS
#elif defined(HAVE_LD_STATIC_DYNAMIC)
-#define
LIBASAN_SPEC "%{static-libasan:" LD_STATIC_OPTION \
-    " } -lasan %{static-libasan:" LD_DYNAMIC_OPTION "}" \
+#define LIBASAN_SPEC "%{static-libasan:" LD_STATIC_OPTION "}" \
+    " %{!static-libasan:%{!fuse-ld=gold:--push-state }--no-as-needed}" \
+    " -lasan " \
+    " %{static-libasan:" LD_DYNAMIC_OPTION "}" \
+    " %{!static-libasan:%{fuse-ld=gold:--as-needed;:--pop-state}}" \
    STATIC_LIBASAN_LIBS

```



```

#else
#define LIBASAN_SPEC "-lasan" STATIC_LIBASAN_LIBS
@@ -780,8 +783,11 @@ @ proper position among the other output files. */
#ifdef LIBTSAN_EARLY_SPEC
#define LIBTSAN_SPEC STATIC_LIBTSAN_LIBS
#elif defined(HAVE_LD_STATIC_DYNAMIC)
-#define LIBTSAN_SPEC "%{static-libtsan:" LD_STATIC_OPTION \
-    "}" -ltsan %{static-libtsan:" LD_DYNAMIC_OPTION "}" \
+#define LIBTSAN_SPEC "%{static-libtsan:" LD_STATIC_OPTION "}" \
+    "%{!static-libtsan:%{!fuse-ld=gold:--push-state }--no-as-needed}" \
+    "-ltsan " \
+    "%{static-libtsan:" LD_DYNAMIC_OPTION "}" \
+    "%{!static-libtsan:%{fuse-ld=gold:--as-needed;--pop-state}}}" \
    STATIC_LIBTSAN_LIBS
#else
#define LIBTSAN_SPEC "-ltsan" STATIC_LIBTSAN_LIBS
@@ -798,8 +804,11 @@ @ proper position among the other output files. */
#ifdef LIBLSAN_EARLY_SPEC
#define LIBLSAN_SPEC STATIC_LIBLSAN_LIBS
#elif defined(HAVE_LD_STATIC_DYNAMIC)
-#define LIBLSAN_SPEC "%{static-liblsan:" LD_STATIC_OPTION \
-    "}" -llsan %{static-liblsan:" LD_DYNAMIC_OPTION "}" \
+#define LIBLSAN_SPEC "%{static-liblsan:" LD_STATIC_OPTION "}" \
+    "%{!static-liblsan:%{!fuse-ld=gold:--push-state }--no-as-needed}" \
+    "-llsan " \
+    "%{static-liblsan:" LD_DYNAMIC_OPTION "}" \
+    "%{!static-liblsan:%{fuse-ld=gold:--as-needed;--pop-state}}}" \
    STATIC_LIBLSAN_LIBS
#else
#define LIBLSAN_SPEC "-llsan" STATIC_LIBLSAN_LIBS
@@ -814,8 +823,11 @@ @ proper position among the other output files. */
#define STATIC_LIBUBSAN_LIBS \
    "%{static-libubsan|static:%:include(libsanitizer.spec)%(link_libubsan)}"
#ifdef HAVE_LD_STATIC_DYNAMIC
-#define LIBUBSAN_SPEC "%{static-libubsan:" LD_STATIC_OPTION \
-    "}" -lubsan %{static-libubsan:" LD_DYNAMIC_OPTION "}" \
+#define LIBUBSAN_SPEC "%{static-libubsan:" LD_STATIC_OPTION "}" \
+    "%{!static-libubsan:%{!fuse-ld=gold:--push-state }--no-as-needed}" \
+    "-lubsan " \
+    "%{static-libubsan:" LD_DYNAMIC_OPTION "}" \
+    "%{!static-libubsan:%{fuse-ld=gold:--as-needed;--pop-state}}}" \
    STATIC_LIBUBSAN_LIBS
#else
#define LIBUBSAN_SPEC "-lubsan" STATIC_LIBUBSAN_LIBS

```

Found in path(s):

* /gcc-12-2-1-r4-tar-gz/gcc/0005-On-linux-targets-pass-as-needed-by-default-to-the-li.patch

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

From 2eed19787020ce52cf07b76a5d167c420ec42b61 Mon Sep 17 00:00:00 2001
From: =?UTF-8?q?S=C3=B6ren=20Tempel?= <soeren+git@soeren-tempel.net>
Date: Mon, 3 Jan 2022 07:14:48 +0100
Subject: [PATCH] riscv: disable multilib support
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 8bit

From the musl wiki [1]:

musl does not support sharing an include directory between archs [...], and thus is not compatible with GCC-style multilib. It is recommended that distributions build GCC with multilib disabled, and use library directories named lib, not lib64 or lib32.

For this reason, we patch existing GCC configuration files (gcc/config) to pin MULTILIB_OSDIRNAMES to lib, there is also a corresponding GCC upstream bug about this issue [2]. Avoiding the use of lib64 and lib32 directories is a bit more difficult on the RISC-V architecture. This is due to the fact that the default RISC-V configuration does not only use the lib64 and lib32 directories but also subdirectories within these directories for different RISC-V ABIs (e.g. lp64d, lp64, ...) [3].

This patch aligns the RISC-V configuration with other architectures by pinning MULTILIB_OSDIRNAMES to lib for rv64gc (our default RISC-V -march). Furthermore, this patch removes the ABI-specific startfile prefix spec. Since both of these impact the default LIBRARY_PATH [4] this patch thereby aligns the default RISC-V LIBRARY_PATH with that from other Alpine architectures and thereby fixes #13369 [5].

Incidentally, this also fixes gccgo on riscv64, as without this patch gccgo is otherwise not able to find the *.gox files for the Go standard library.

[1]: https://wiki.musl-libc.org/guidelines-for-distributions.html#Multilib/multi_arch

[2]: https://gcc.gnu.org/bugzilla/show_bug.cgi?id=90077

[3]: https://gcc.gnu.org/bugzilla/show_bug.cgi?id=103889#c14

[4]:

<https://gcc.gnu.org/git/?p=gcc.git;a=blob;f=gcc/gcc.c;h=d4c8746b0aa322286decf92aa72a12f0a393b655;hb=HEAD#l9122>

[5]:

<https://gitlab.alpinelinux.org/alpine/aports/-/issues/13369>

gcc/config/riscv/linux.h | 6 -----

gcc/config/riscv/t-linux | 7 +++++--

2 files changed, 5 insertions(+), 8 deletions(-)

```
diff --git a/gcc/config/riscv/linux.h b/gcc/config/riscv/linux.h
index 3067ed6eac8..4c8c85e3285 100644
--- a/gcc/config/riscv/linux.h
+++ b/gcc/config/riscv/linux.h
@@ -71,9 +71,3 @@ along with GCC; see the file COPYING3. If not see
    %{static:-static} }"
```

```
#define TARGET_ASM_FILE_END file_end_indicate_exec_stack
-
-#define STARTFILE_PREFIX_SPEC \
-  "/lib" XLEN_SPEC "/" ABI_SPEC "/" " \
-  "/usr/lib" XLEN_SPEC "/" ABI_SPEC "/" " \
-  "/lib/ " \
-  "/usr/lib/ "
diff --git a/gcc/config/riscv/t-linux b/gcc/config/riscv/t-linux
index 216d2776a18..1a8a863853e 100644
--- a/gcc/config/riscv/t-linux
+++ b/gcc/config/riscv/t-linux
@@ -1,3 +1,6 @@
-# Only XLEN and ABI affect Linux multilib dir names, e.g. /lib32/ilp32d/
-MULTILIB_DIRNAMES := $(patsubst rv32%,lib32,$(patsubst
  rv64%,lib64,$(MULTILIB_DIRNAMES)))
+MULTILIB_OPTIONS := march=rv64gc
+MULTILIB_DIRNAMES := rv64gc
+
+MULTILIB_DIRNAMES := $(patsubst rv32%,lib32,$(patsubst rv64%,lib,$(MULTILIB_DIRNAMES)))
MULTILIB_OSDIRNAMES := $(patsubst lib%,../lib%,$(MULTILIB_DIRNAMES))
+MULTILIB_MATCHES := march?rv64gc=march?rv64imafdc
```

Found in path(s):

* /gcc-12-2-1-r4-tar-gz/gcc/0026-riscv-disable-multilib-support.patch

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

From 64a1c5f57e278869f41c43ee56cc5defb3dd55c5 Mon Sep 17 00:00:00 2001

From: Ariadne Conill <ariadne@dereferenced.org>

Date: Fri, 21 Aug 2020 07:06:30 +0000

Subject: [PATCH] ada: libgnarl compatibility for musl

```
---
gcc/ada/libgnarl/s-osinte__linux.ads | 11 -----
gcc/ada/libgnarl/s-taprop__linux.adb | 53 ++-----
2 files changed, 3 insertions(+), 61 deletions(-)
```

```
diff --git a/gcc/ada/libgnarl/s-osinte__linux.ads b/gcc/ada/libgnarl/s-osinte__linux.ads
index 7c9e7ca4518..caafc4aa68f 100644
--- a/gcc/ada/libgnarl/s-osinte__linux.ads
```

```

+++ b/gcc/ada/libgnarl/s-osinte__linux.ads
@@ -403,12 +403,6 @@ package System.OS_Interface is
    PTHREAD_RWLOCK_PREFER_WRITER_NP          : constant := 1;
    PTHREAD_RWLOCK_PREFER_WRITER_NONRECURSIVE_NP : constant := 2;

- function pthread_rwlockattr_setkind_np
-   (attr : access pthread_rwlockattr_t;
-    pref : int) return int;
- pragma Import
-
-   (C, pthread_rwlockattr_setkind_np, "pthread_rwlockattr_setkind_np");
-
function pthread_rwlock_init
  (mutex : access pthread_rwlock_t;
   attr : access pthread_rwlockattr_t) return int;
@@ -470,11 +464,6 @@ package System.OS_Interface is
    protocol : int) return int;
    pragma Import (C, pthread_mutexattr_setprotocol);

- function pthread_mutexattr_setprioceiling
-   (attr : access pthread_mutexattr_t;
-    prioceiling : int) return int;
- pragma Import (C, pthread_mutexattr_setprioceiling);
-
type struct_sched_param is record
  sched_priority : int; -- scheduling priority
end record;
diff --git a/gcc/ada/libgnarl/s-taprop__linux.adb b/gcc/ada/libgnarl/s-taprop__linux.adb
index 4ff784f0ea7..b34a12802c6 100644
--- a/gcc/ada/libgnarl/s-taprop__linux.adb
+++ b/gcc/ada/libgnarl/s-taprop__linux.adb
@@ -198,9 +198,6 @@ package body System.Task_Primitives.Operations is
    pragma Import
      (C, GNAT_pthread_condattr_setup, "__gnat_pthread_condattr_setup");

- function GNAT_has_cap_sys_nice return C.int;
- pragma Import
-   (C, GNAT_has_cap_sys_nice, "__gnat_has_cap_sys_nice");
-- We do not have pragma Linker_Options ("-lcap"); here, because this
-- library is not present on many Linux systems. 'libcap' is the Linux
-- "capabilities" library, called by __gnat_has_cap_sys_nice.
@@ -210,38 +210,31 @@ package body System.Task_Primitives.Operations is
-- Convert Ada priority to Linux priority. Priorities are 1 .. 99 on
-- GNU/Linux, so we map 0 .. 98 to 1 .. 99.

- function Get_Ceiling_Support return Boolean;
- -- Get the value of the Ceiling_Support constant (see below).
- -- Note well: If this function or related code is modified, it should be

```

```

- -- tested by hand, because automated testing doesn't exercise it.
-
- -----
- -- Get_Ceiling_Support --
- -----
-
- function Get_Ceiling_Support return Boolean is
-   Ceiling_Support : Boolean
:= False;
-   begin
-     if Locking_Policy /= 'C' then
-       return False;
-     end if;
-
-   declare
-     function geteuid return Integer;
-     pragma Import (C, geteuid, "geteuid");
-     Superuser : constant Boolean := geteuid = 0;
-     Has_Cap : constant C.int := GNAT_has_cap_sys_nice;
-     pragma Assert (Has_Cap in 0 | 1);
-     begin
-       Ceiling_Support := Superuser or else Has_Cap = 1;
-     end;
-
-   return Ceiling_Support;
- end Get_Ceiling_Support;
-
- pragma Warnings (Off, "non-preelaborable call not allowed*");
- Ceiling_Support : constant Boolean := Get_Ceiling_Support;
- pragma Warnings (On, "non-preelaborable call not allowed*");
-- True if the locking policy is Ceiling_Locking, and the current process
-- has permission to use this policy. The process has permission if it is
-- running as 'root', or if the capability was set by the setcap command,
@@ -344,7 +309,9 @@ package body System.Task_Primitives.Operations
is
  -- Init_Mutex --
  -----

+ pragma Warnings (Off, "formal parameter * is not referenced");
+ function Init_Mutex (L : RTS_Lock_Ptr; Prio : Any_Priority) return C.int is
+ pragma Warnings (On, "formal parameter * is not referenced");
+   Mutex_Attr : aliased pthread_mutexattr_t;
+   Result, Result_2 : C.int;

@@ -356,16 +323,17 @@ package body System.Task_Primitives.Operations is
  return Result;
end if;

```

```

-   if Ceiling_Support then
-       Result := pthread_mutexattr_setprotocol
-           (Mutex_Attr'Access, PTHREAD_PRIO_PROTECT);
-       pragma Assert (Result = 0);
-
-       Result := pthread_mutexattr_setprioceiling
-           (Mutex_Attr'Access, Prio_To_Linux_Prio (Prio));
-       pragma Assert (Result = 0);
-
-   elsif Locking_Policy = 'T' then
+   if Locking_Policy = 'T' then
        Result := pthread_mutexattr_setprotocol
            (Mutex_Attr'Access, PTHREAD_PRIO_INHERIT);
        pragma Assert
            (Result = 0);
@@ -405,11 +363,6 @@ package body System.Task_Primitives.Operations is
        Result := pthread_rwlockattr_init (RWlock_Attr'Access);
        pragma Assert (Result = 0);

-       Result := pthread_rwlockattr_setkind_np
-           (RWlock_Attr'Access,
-           PTHREAD_RWLOCK_PREFER_WRITER_NONRECURSIVE_NP);
-       pragma Assert (Result = 0);
-
        Result := pthread_rwlock_init (L.RW'Access, RWlock_Attr'Access);

        pragma Assert (Result in 0 | ENOMEM);

```

Found in path(s):

* /gcc-12-2-1-r4-tar-gz/gcc/0028-ada-libgnarl-compatibility-for-musl.patch

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

From c86b726c048eddc1be320c0bf64a897658bee13d Mon Sep 17 00:00:00 2001

From: Uros Bizjak <ubizjak@gmail.com>

Date: Wed, 18 May 2022 20:03:26 +0200

Subject: [PATCH] x86: Fix -fsplit-stack feature detection via

TARGET_CAN_SPLIT_STACK

MIME-Version: 1.0

Content-Type: text/plain; charset=UTF-8

Content-Transfer-Encoding: 8bit

Since commit c163647ffbc9a20c8feb6e079dbecccf016c82e -fsplit-stack is only supported on glibc targets. However, this original commit required some fixups. As part of the fixup, the changes to the gnu-user-common.h and gnu.h were partially reverted in commit 60953a23d57b13a672f751bec0c6eefc059eb1ab thus causing TARGET_CAN_SPLIT_STACK to be defined for non-glibc targets even though -fsplit-stack is actually not supported and attempting to use it causes a runtime error.

This causes gcc internal code, such as ./gcc/go/gospec.c to not correctly detect that -fsplit-stack is not supported and thus causes gccgo to fail compilation on non-glibc targets.

This commit ensures that TARGET_CAN_SPLIT_STACK is only set if the default libc is glibc. It is presently unclear to me if there is a better way to detect glibc at pre-processor time.

The proposed changes have been tested on x86 and x86_64 Alpine Linux (which uses musl libc) and fix compilation of gccgo for this target.

Signed-off-by: Sören Tempel <soeren@soeren-tempel.net>

gcc/ChangeLog:

```
* config/i386/gnu-user-common.h (defined): Only define
TARGET_CAN_SPLIT_STACK for glibc targets.
* config/i386/gnu.h (defined): Ditto.
```

gcc/config/i386/gnu-user-common.h | 5 +++--

gcc/config/i386/gnu.h | 5 +++--

2 files changed, 6 insertions(+), 4 deletions(-)

diff --git a/gcc/config/i386/gnu-user-common.h b/gcc/config/i386/gnu-user-common.h

index 23b54c5be52..cab9be2bfb7 100644

--- a/gcc/config/i386/gnu-user-common.h

+++ b/gcc/config/i386/gnu-user-common.h

@@ -66,7 +66,8 @@ along with GCC; see the file COPYING3. If not see

#define STACK_CHECK_STATIC_BUILTIN 1

/* We only build the -fsplit-stack support in libgcc if the

- assembler has full support for the CFI directives. */

#if HAVE_GAS_CFI_PERSONALITY_DIRECTIVE

+ assembler has full support for the CFI directives. Also

+ we only support -fsplit-stack on glibc targets. */

#if (DEFAULT_LIBC == LIBC_GLIBC) && HAVE_GAS_CFI_PERSONALITY_DIRECTIVE

#define TARGET_CAN_SPLIT_STACK

#endif

diff --git a/gcc/config/i386/gnu.h b/gcc/config/i386/gnu.h

index 401e60c9a02..fb8d69a97d8 100644

--- a/gcc/config/i386/gnu.h

+++ b/gcc/config/i386/gnu.h

@@ -41,8 +41,9 @@ along with GCC. If not, see <<http://www.gnu.org/licenses/>>.

#define TARGET_THREAD_SSP_OFFSET 0x14

/* We only build the -fsplit-stack support in libgcc if the

```

- assembler has full support for the CFI directives. */
-#if HAVE_GAS_CFI_PERSONALITY_DIRECTIVE
+ assembler has full support for the CFI directives. Also
+ we only support -fsplit-stack on glibc targets. */
+#if (DEFAULT_LIBC
== LIBC_GLIBC) && HAVE_GAS_CFI_PERSONALITY_DIRECTIVE
#define TARGET_CAN_SPLIT_STACK
#endif
/* We steal the last transactional memory word. */

```

Found in path(s):

* /gcc-12-2-1-r4-tar-gz/gcc/0041-go-gospec-forcibly-disable-fsplit-stack-support.patch

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

From 5bd37f8ee93a0fe1a3f841f48ed6626e7e0aa19d Mon Sep 17 00:00:00 2001

From: Ariadne Conill <ariadne@dereferenced.org>

Date: Fri, 21 Aug 2020 07:01:06 +0000

Subject: [PATCH] add fortify-headers paths

gcc/config/linux.h | 2 ++

1 file changed, 2 insertions(+)

diff --git a/gcc/config/linux.h b/gcc/config/linux.h

index 74f70793d90..61b07f319f6 100644

--- a/gcc/config/linux.h

+++ b/gcc/config/linux.h

@@ -172,6 +172,8 @@ see the files COPYING3 and COPYING.RUNTIME respectively. If not, see

```

#ifdef NATIVE_SYSTEM_HEADER_DIR

```

```

#define INCLUDE_DEFAULTS_MUSL_NATIVE \

```

```

+ { NATIVE_SYSTEM_HEADER_DIR "/fortify", 0, 0, 0, 1, 2 }, \

```

```

+ { NATIVE_SYSTEM_HEADER_DIR "/fortify", 0, 0, 0, 1, 0 }, \

```

```

    { NATIVE_SYSTEM_HEADER_DIR, 0, 0, 0, 1, 2 }, \

```

```

    { NATIVE_SYSTEM_HEADER_DIR, 0, 0, 0, 1, 0 },

```

```

#else

```

Found in path(s):

* /gcc-12-2-1-r4-tar-gz/gcc/0018-add-fortify-headers-paths.patch

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From 573a66e4146c9a65d895af9081a4d3d49cfc9e7a Mon Sep 17 00:00:00 2001

From: Drew DeVault <sir@cmpwn.com>

Date: Wed, 9 Dec 2020 16:07:26 +0000

Subject: [PATCH] configure: Add --enable-autolink-libatomic, use in

LINK_GCC_C_SEQUENCE_SPEC [PR81358]

This fixes issues with RISC-V.


```

---
Makefile.in      | 1 +
gcc/config.in    | 6 ++++++
gcc/config/gnu-user.h | 12 ++++++++--
gcc/configure     | 32 ++++++++-----
gcc/configure.ac  | 22 ++++++++--
gcc/doc/install.texi | 8 ++++++
gcc/doc/tm.texi   | 8 ++++++-
gcc/doc/tm.texi.in | 8 ++++++-
gcc/gcc.cc        | 12 ++++++++--
9 files changed, 102 insertions(+), 7 deletions(-)

diff --git a/Makefile.in b/Makefile.in
index b564ddb792..a95c7407d16 100644
--- a/Makefile.in
+++ b/Makefile.in
@@ -232,6 +232,7 @@ HOST_EXPORTS = \
RANLIB_FOR_TARGET="$(RANLIB_FOR_TARGET)"; export RANLIB_FOR_TARGET; \
READELF_FOR_TARGET="$(READELF_FOR_TARGET)";
export READELF_FOR_TARGET; \
TOplevel_CONFIGURE_ARGUMENTS="$(TOplevel_CONFIGURE_ARGUMENTS)"; export
TOplevel_CONFIGURE_ARGUMENTS; \
+ TARGET_CONFIGDIRS="$(TARGET_CONFIGDIRS)"; export TARGET_CONFIGDIRS; \
HOST_LIBS="$(STAGE1_LIBS)"; export HOST_LIBS; \
GMPLIBS="$(HOST_GMPLIBS)"; export GMPLIBS; \
GMPINC="$(HOST_GMPINC)"; export GMPINC; \
diff --git a/gcc/config.in b/gcc/config.in
index f0fbf123aa8..af84efc4f9e 100644
--- a/gcc/config.in
+++ b/gcc/config.in
@@ -118,6 +118,12 @@
@@
#endif

+/* Define if libatomic should always be linked. */
+#ifndef USED_FOR_TARGET
+#undef ENABLE_AUTOLINK_LIBATOMIC
+#endif
+
+
+/* Define to 1 to specify that we are using the BID decimal floating point
   format instead of DPD */
+#ifndef USED_FOR_TARGET
diff --git a/gcc/config/gnu-user.h b/gcc/config/gnu-user.h
index 8433e56c3e1..0347f10da8b 100644
--- a/gcc/config/gnu-user.h
+++ b/gcc/config/gnu-user.h
@@ -109,8 +109,18 @@
@@ see the files COPYING3 and COPYING.RUNTIME

```

```

respectively. If not, see
#define LINK_EH_SPEC "%{!static|static-pie:--eh-frame-hdr} "
#endif

+#if !defined(LINK_LIBATOMIC_SPEC) && defined(ENABLE_AUTOLINK_LIBATOMIC)
+# ifdef LD_AS_NEEDED_OPTION
+# define LINK_LIBATOMIC_SPEC LD_AS_NEEDED_OPTION " -latomic "
LD_NO_AS_NEEDED_OPTION
+# else
+# define LINK_LIBATOMIC_SPEC "-latomic"
+# endif
+#elif !defined(LINK_LIBATOMIC_SPEC)
+# define LINK_LIBATOMIC_SPEC ""
+#endif
+
#define GNU_USER_TARGET_LINK_GCC_C_SEQUENCE_SPEC \
- "%{static|static-pie:--start-group} %G %{!nolibc:%L} \
+ "%{static|static-pie:--start-group} %G %{!nolibc:" LINK_LIBATOMIC_SPEC " %L} \
  %{static|static-pie:--end-group}%{!static:%{!static-pie:%G}}}"

#undef LINK_GCC_C_SEQUENCE_SPEC
diff --git a/gcc/configure b/gcc/configure
index 2f6b3265a6c..6dc65bf4ccb 100755
--- a/gcc/configure
+++ b/gcc/configure
@@ -981,6 +981,7 @@ with_changes_root_url
enable_languages
with_multilib_list
with_multilib_generator
+enable_autolink_libatomic
with_zstd
with_zstd_include
with_zstd_lib
@@ -1710,6 +1711,9 @@ Optional Features:
--disable-shared      don't provide a shared libgcc
--disable-gcov        don't provide libgcov and related host tools
--enable-languages=LIST specify which front-ends to build
+ --enable-autolink-libatomic
+         enable automatic linking of libatomic (ignored if
+         not built)
--disable-rpath        do not hardcode runtime library paths
--enable-sjlj-exceptions
                        arrange to use setjmp/longjmp exception handling
@@ -8324,7 +8328,6 @@ else
fi
-

```

```

# Check whether --with-multilib-generator was given.
if test "${with_multilib_generator+set}" = set; then :
    withval=$with_multilib_generator; :
@@ -8332,6 +8335,32 @@ else
    with_multilib_generator=default
fi

+# If libatomic is available, whether it should be linked automatically
+# Check whether --enable-autolink-libatomic was given.
+if test "${enable_autolink_libatomic+set}"
+ = set; then :
+ enableval=$enable_autolink_libatomic;
+ case $enable_autolink_libatomic in
+   yes | no) ;;
+   *) as_fn_error $? "'$enable_autolink_libatomic' is an invalid value for
+--enable-autolink-libatomic.  Valid choices are 'yes' and 'no'." "$LINENO" 5 ;;
+ esac
+
+else
+ enable_autolink_libatomic="
+fi
+
+
+if test x$enable_autolink_libatomic = xyes; then
+ if echo " ${TARGET_CONFIGDIRS} " | grep " libatomic " > /dev/null 2>&1 ; then
+
+$as_echo "#define ENABLE_AUTOLINK_LIBATOMIC 1" >>confdefs.h
+
+ else
+ { $as_echo "$as_me:${as_lineno-$LINENO}: WARNING: libatomic is not build for this target, --enable-
autolink-libatomic ignored" >&5
+$as_echo "$as_me: WARNING: libatomic is not build for this target, --enable-autolink-libatomic ignored" >&2;}
+ fi
+fi
+

# -----
# Checks for other programs
@@ -34296,4 +34325,3 @@ if test -n "$ac_unrecognized_opts" && test "$enable_option_checking" != no; then
$as_echo "$as_me: WARNING: unrecognized
options: $ac_unrecognized_opts" >&2;}
fi

-
diff --git a/gcc/configure.ac b/gcc/configure.ac
index e683d3a7a5f..07c81c78336 100644
--- a/gcc/configure.ac
+++ b/gcc/configure.ac

```

```

@@ -1205,6 +1205,27 @@ AC_ARG_WITH(multilib-generator,
;,
with_multilib_generator=default)

+# If libatomic is available, whether it should be linked automatically
+AC_ARG_ENABLE(autolink-libatomic,
+[AS_HELP_STRING([--enable-autolink-libatomic],
+ [enable automatic linking of libatomic (ignored if not built)]),
+[
+ case $enable_autolink_libatomic in
+   yes | no) ;;
+   *) AC_MSG_ERROR(['$enable_autolink_libatomic' is an invalid value for
+--enable-autolink-libatomic. Valid choices are 'yes' and 'no'.]) ;;
+   esac
+], [enable_autolink_libatomic=""])
+
+if test x$enable_autolink_libatomic = xyes; then
+ if echo "${TARGET_CONFIGDIRS}" | grep " libatomic " > /dev/null 2>&1 ; then
+   AC_DEFINE(ENABLE_AUTOLINK_LIBATOMIC, 1,
+ [Define if libatomic should always be linked.])
+ else
+   AC_MSG_WARN([libatomic
+is not build for this target, --enable-autolink-libatomic ignored])
+ fi
+fi
+
# -----
# Checks for other programs
# -----
@@ -7839,4 +7860,3 @@ done
],
[subdirs='$subdirs'])
AC_OUTPUT
-
diff --git a/gcc/doc/install.texi b/gcc/doc/install.texi
index 48408d842db..c90be0ee750 100644
--- a/gcc/doc/install.texi
+++ b/gcc/doc/install.texi
@@ -2295,6 +2295,14 @@ files, but these changed header paths may conflict with some compilation
environments. Enabled by default, and may be disabled using
@option{--disable-canonical-system-headers}.

+@item --enable-autolink-libatomic
+@itemx --disable-autolink-libatomic
+Tell GCC that it should automatically link libatomic; if supported by
+the linker, the file is only linked as needed. This flag is ignored
+when libatomic is not built. Note that this configure flag is in particular
+useful when building an offloading-target compiler; as for those, a

```

```
+user had to specify @code{-foffload=target=-latomic}
otherwise.
+
@item --with-glibc-version=@var{major}.@var{minor}
Tell GCC that when the GNU C Library (glibc) is used on the target it
will be version @var{major}.@var{minor} or later. Normally this can
diff --git a/gcc/doc/tm.texi b/gcc/doc/tm.texi
index c5006afc00d..56b62c69ae8 100644
--- a/gcc/doc/tm.texi
+++ b/gcc/doc/tm.texi
@@ -381,7 +381,13 @@ the argument @option{-lgcc} to tell the linker to do the search.
```

```
@defmac LINK_GCC_C_SEQUENCE_SPEC
The sequence in which libgcc and libc are specified to the linker.
-By default this is @code{%G %L %G}.
+By default this is @code{%G LINK_LIBATOMIC_SPEC %L %G}.
+@end defmac
+
+@defmac LINK_LIBATOMIC_SPEC
+This macro is used in the default @code{LINK_GCC_C_SEQUENCE_SPEC} to link
+libatomic. By default, it is unset unless @code{ENABLE_AUTOLINK_LIBATOMIC}
+is set.
@end defmac
```

```
@defmac POST_LINK_SPEC
diff --git a/gcc/doc/tm.texi.in b/gcc/doc/tm.texi.in
index f869ddd5e5b..57c93f24ac3 100644
--- a/gcc/doc/tm.texi.in
+++
b/gcc/doc/tm.texi.in
@@ -381,7 +381,13 @@ the argument @option{-lgcc} to tell the linker to do the search.
```

```
@defmac LINK_GCC_C_SEQUENCE_SPEC
The sequence in which libgcc and libc are specified to the linker.
-By default this is @code{%G %L %G}.
+By default this is @code{%G LINK_LIBATOMIC_SPEC %L %G}.
+@end defmac
+
+@defmac LINK_LIBATOMIC_SPEC
+This macro is used in the default @code{LINK_GCC_C_SEQUENCE_SPEC} to link
+libatomic. By default, it is unset unless @code{ENABLE_AUTOLINK_LIBATOMIC}
+is set.
@end defmac
```

```
@defmac POST_LINK_SPEC
diff --git a/gcc/gcc.cc b/gcc/gcc.cc
index 735b2b1bba1..f10f3c91aa7 100644
--- a/gcc/gcc.cc
```

```

+++ b/gcc/gcc.cc
@@ -987,13 +987,23 @@ proper position among the other output files. */
# define ASM_DEBUG_OPTION_SPEC ""
#endif

+#if !defined(LINK_LIBATOMIC_SPEC) && defined(ENABLE_AUTOLINK_LIBATOMIC)
+# ifdef LD_AS_NEEDED_OPTION
+#  define LINK_LIBATOMIC_SPEC LD_AS_NEEDED_OPTION " -latomic "
LD_NO_AS_NEEDED_OPTION
+# else
+#  define LINK_LIBATOMIC_SPEC
"-latomic"
+# endif
+#elif !defined(LINK_LIBATOMIC_SPEC)
+#  define LINK_LIBATOMIC_SPEC ""
+#endif
+
/* Here is the spec for running the linker, after compiling all files. */

/* This is overridable by the target in case they need to specify the
   -lgcc and -lc order specially, yet not require them to override all
   of LINK_COMMAND_SPEC. */
#ifndef LINK_GCC_C_SEQUENCE_SPEC
#define LINK_GCC_C_SEQUENCE_SPEC "%G %!{!nolibc:%L %G}"
#define LINK_GCC_C_SEQUENCE_SPEC "%G %!{!nolibc:" LINK_LIBATOMIC_SPEC " %L %G}"
#endif

#ifdef ENABLE_DEFAULT_SSP

Found in path(s):
* /gcc-12-2-1-r4-tar-gz/gcc/0035-configure-Add-enable-autolink-libatomic-use-in-LINK_patch

```

1.203 kerberos 1.20.2-r1

1.203.1 Available under license :

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c

lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

Sun's

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi_err_generic.et
- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
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- lib/gssapi/mechglue/g_utils.c
- lib/gssapi/mechglue/g_verify.c
- lib/gssapi/mechglue/gssd_pname_to_uid.c
- lib/gssapi/mechglue/mglueP.h
- lib/gssapi/mechglue/oid_ops.c

lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprof_hdr.h
kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.205 packaging 24.1

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1.207 distro 1.9.0

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1.208 msgpack 1.1.0

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1.209 jinja 3.1.3

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Our Standards

Examples of behavior that contributes to creating a positive environment include:

- * Using welcoming and inclusive language
- * Being respectful of differing viewpoints and experiences
- * Gracefully accepting constructive criticism
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- * Showing empathy towards other community members

Examples of unacceptable behavior by participants include:

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- * Trolling, insulting/derogatory comments, and personal or political attacks

- * Public or private harassment
- * Publishing others' private information, such as a physical or electronic address, without explicit permission
- * Other conduct which could reasonably be considered inappropriate in a professional setting

Our Responsibilities

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Scope

This Code of Conduct applies both within project spaces and in public spaces when an individual is representing the project or its community. Examples of representing a project or community include using an official project e-mail address, posting via an official social media account, or acting as an appointed representative at an online or offline event. Representation of a project may be further defined and clarified by project maintainers.

Enforcement

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1.210 cffi 1.16.0

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1.211 chardet 5.1.0

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1.212 distlib 0.3.9

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A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes

2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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distlib has started off using some of the code from distutil2.

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1.225 distro 1.7.0

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1.226 cachecontrol 0.14.2

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1.227 python-certifi 2025.01.31

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ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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1.228 marshmallow 3.26.1

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* /musl-1-2-4-r3-tar-gz/musl/iconv.c

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

/*-

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* by Luke Mewburn.

* Timo Teräs cleaned up the code for use in Alpine Linux with musl libc.

*

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*/

Found in path(s):

1.232 musl 1.2.3-r6

1.232.1 Available under license :

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1.233 simple launcher 1.1.0.14

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A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived	Year	Owner	GPL-
	from			compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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=====

Distutils2 Contributors

=====

The Distutils2 project was started by Tarek Ziad and is currently
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

Thanks to:

- Rajiv Abraham
- Ali Afshar
- David Barnett
- Pior Bastida
- Anthony Baxter

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- Vinay Sajip
- Victor Stinner
- Alexandre Vassalotti
- Nadeem Vawda

Metadata-Version: 1.0

Name: setuptools

Version: 0.6c9

Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!

Home-page: <http://pypi.org/pypi/setuptools>

Author: Phillip J. Eby

Author-email: distutils-sig@python.org

License: PSF or ZPL

Description: =====

Installing and Using Setuptools

=====

.. contents:: **Table of Contents**

 Installation Instructions

Windows
 =====

Install setuptools using the provided ``.exe`` installer. If you've previously installed older versions of setuptools, please delete all ``setuptools\*.egg`` and ``setuptools.pth`` files from your system's ``site-packages`` directory (and any other ``sys.path`` directories) FIRST.

If you are upgrading a previous version of setuptools that was installed using an ``.exe`` installer, please be sure to also *uninstall that older version* via your system's "Add/Remove Programs" feature, BEFORE installing the newer

version.

Once installation is complete, you will find an `easy_install.exe` program in your Python `Scripts` subdirectory. Be sure to add this directory to your `PATH` environment variable, if you haven't already done so.

RPM-Based Systems

=====

Install `setuptools` using the provided source RPM. The included `.spec` file assumes you are installing using the default `python` executable, and is not specific to a particular Python version. The `easy_install` executable will be installed to a system `bin` directory such as `/usr/bin`.

If you wish to install to a location other than the default Python installation's default `site-packages` directory (and `$prefix/bin` for scripts), please use the `.egg`-based installation approach described in the following section.

Cygwin, Mac OS X, Linux, Other

=====

1. Download the appropriate egg for your version of Python (e.g. `setuptools-0.6c9-py2.4.egg`). Do NOT rename it.
2. Run it as if it were a shell script, e.g. `sh setuptools-0.6c9-py2.4.egg`. `Setuptools` will install itself using the matching version of Python (e.g. `python2.4`), and will place the `easy_install` executable in the default location for installing Python scripts (as determined by the standard distutils configuration files, or by the Python installation).

If you want to install `setuptools` to somewhere other than `site-packages` or your default distutils installation locations for libraries and scripts, you may include `EasyInstall` command-line options such as `--prefix`, `--install-dir`, and so on, following the `.egg` filename on the same command line. For example::

```
sh setuptools-0.6c9-py2.4.egg --prefix=~
```

You can use `--help` to get a full options list, but we recommend consulting the `EasyInstall` manual for detailed instructions, especially the section on custom installation locations.

.. `_EasyInstall` manual: <http://peak.telecommunity.com/DevCenter/EasyInstall>

.. _the section on custom installation locations: <http://peak.telecommunity.com/DevCenter/EasyInstall#custom-installation-locations>

Cygwin Note

If you are trying to install setuptools for the **Windows** version of Python (as opposed to the Cygwin version that lives in `usr/bin`), you must make sure that an appropriate executable (`python2.3`, `python2.4`, or `python2.5`) is on your **Cygwin** `PATH` when invoking the egg. For example, doing the following at a Cygwin bash prompt will install setuptools for the **Windows** Python found at `C:\Python24`:

```
ln -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4
```

Downloads

=====

All setuptools downloads can be found at the project's home page in the Python Package Index`. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: <http://pypi.org/pypi/setuptools>

In addition to the PyPI downloads, the development version of `setuptools` is available from the `Python SVN sandbox`, and in-development versions of the `0.6 branch` are available as well.

.. _0.6 branch: <http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06>

.. _Python SVN sandbox: <http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev>

Using

Setuptools and EasyInstall

Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

- * `The EasyInstall user's guide and reference manual`
- * `The setuptools Developer's Guide`
- * `The pkg_resources API reference`
- * `Package Compatibility Notes` (user-maintained)
- * `The Internal Structure of Python Eggs`

Questions, comments, and bug reports should be directed to the ``distutils-sig`` mailing list``_``. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for `setuptools` users, please let us know about them there, so this reference list can be updated. If you have working, `*tested*` patches to correct problems or add features, you may submit them to the ``setuptools`` bug tracker``_``.

.. `_setuptools`` bug tracker: <http://bugs.python.org/setuptools/>
.. `_Package`` Compatibility Notes: <http://peak.telecommunity.com/DevCenter/PackageNotes>
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.. `_The`` `setuptools`` Developer's Guide: <http://peak.telecommunity.com/DevCenter/setuptools>
.. `_The`` `pkg_resources`` API reference: <http://peak.telecommunity.com/DevCenter/PkgResources>
.. `_The`` EasyInstall user's guide and reference manual: <http://peak.telecommunity.com/DevCenter/EasyInstall>
.. `_distutils-sig`` mailing list: <http://mail.python.org/pipermail/distutils-sig/>

Credits

* The original design for the ```egg``` format and the ```pkg_resources``` API was co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of ```pkg_resources```, and supplied the OS X operating system version compatibility algorithm.

* Ian Bicking implemented many early "creature comfort" features of `easy_install`, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and `setuptools`.

* Jim Fulton contributed time and effort to build automated tests of various aspects of ```easy_install```, and supplied the doctests for the command-line ```.exe``` wrappers on Windows.

* Phillip J. Eby is the principal author and maintainer of `setuptools`, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

* Significant parts of the implementation of `setuptools` were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application.

In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and `setuptools`, even before eggs were "cool". (Thanks, guys!)

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=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
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2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL- compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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1.249 platformdirs 4.3.8

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1.250 wheel 0.45.1

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1.252 cachecontrol 0.12.11

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1.253 more-itertools 8.8.0

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1.254 pyproject-hooks 1.0.0

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1.255 platformdirs 2.6.2

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1.256 pyproject-hooks 1.2.0

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1.257 wheel 0.38.4

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1.259 libxml2 2.14.4

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1.260 python-lxml 6.0.0

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1.262 typing-extensions 4.14.1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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1.263 openssl 3.2.1

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1.264 python 3.10.14

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In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes

1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
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```
* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/ProxyConnectException.java
* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/package-info.java
* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/ProxyHandler.java
*
```

/netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java
* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java
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* /netty-handler-proxy-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-handler-proxy/pom.xml

1.269 jboss-remoting 5.0.8.Final-redhat-1

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- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/RemotingException.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/RemotingXmlParser.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/AbstractDelegatingMessageOutputStream.java
- *
- /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/RemotingOptions.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionFactory.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/util/Invocation.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/EndpointBuilder.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/Protocol.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/ClientConnectionOpenListener.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ChannelBusyException.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Registration.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/AbstractHandleableCloseable.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionImpl.java
- *
- /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ExternalConnectionProvider.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/RemoteConnectionProvider.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/package-info.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionProviderContext.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/RejectingSaslServer.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionKey.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ChannelClosedException.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Connection.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/HandleableCloseable.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/MessageInputStream.java
- *
- /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionFactoryContext.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/_private/Equaller.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Channel.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/RemoteConnectionChannel.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/security/RemotingPermission.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/MessageCancelledException.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionProviderDescriptor.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/RegisteredService.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/InboundMessage.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/RemoteConnection.java
- *
- /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/util/InvocationTracker.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/SpiUtils.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/HttpUpgradeConnectionProvider.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/RemoteReadListener.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/NetworkServerProvider.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/RemoteConnectionHandler.java
- * /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionPeerIdentityContext.java

```

* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionProvider.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ManagedConnection.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionBuilder.java
*
/jboss-remoting-5-0-8-final-redhat-1-sources-
jar/org/jboss/remoting3/remote/HttpUpgradeConnectionFactory.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/ProtocolUtils.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionInfo.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/_private/Messages.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/OutboundMessage.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/UncloseableEndpoint.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ServiceNotFoundException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/EndpointGetterHolder.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionHandler.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-
jar/org/jboss/remoting3/AbstractDelegatingMessageInputStream.java
*
/jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/security/InetAddressPrincipal.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ServiceRegistrationException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Version.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-
jar/org/jboss/remoting3/security/PasswordClientCallbackHandler.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-
jar/org/jboss/remoting3/remote/RemoteConnectionFactory.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/UnknownURISchemeException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Attachable.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConfigurationEndpointSupplier.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/util/StreamUtils.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/package-info.java
*
/jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/ServerConnectionOpenListener.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/util/MessageTracker.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/EndpointImpl.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ModuleLoader.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/MessageReader.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/OpenListener.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/_private/DefaultEqualler.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/CloseHandler.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionFactoryBuilder.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/EndpointMBean.java
*
/jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/NotOpenException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-
jar/org/jboss/remoting3/remote/RemoteConnectionFactoryMBean.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ToConnectionFuture.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/MessageOutputStream.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/util/BlockingInvocation.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/remote/PendingChannel.java

```



```

* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ClientServiceHandle.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/EndpointConfigurator.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Attachments.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/_private/IdentityEqualler.java
*
/jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/spi/ConnectionProviderFactory.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Endpoint.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/_private/IntIndexMap.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/DuplicateRegistrationException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/_private/IntIndexHashMap.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ProtocolException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/LocalChannel.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ServiceOpenException.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/ConnectionPeerIdentity.java
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Found in path(s):

```

* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/Remoting.java
* /jboss-remoting-5-0-8-final-redhat-1-sources-jar/org/jboss/remoting3/LegacyEndpoint.java

```

1.270 netty-codec-mqtt 4.1.9.Final-redhat-1

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* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttMessageBuilders.java

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* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/package-info.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttQoS.java

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* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttConnectReturnCode.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckVariableHeader.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttPubAckMessage.java
 *

/netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttConnectMessage.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttVersion.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckPayload.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-
 jar/io/netty/handler/codec/mqtt/MqttIdentifierRejectedException.java
 * /netty-codec-mqtt-4-1-9-final-redhat-2-sources-
 jar/io/netty/handler/codec/mqtt/MqttUnacceptableProtocolVersionException.java

```

* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribeMessage.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/mqtt/MqttMessageIdVariableHeader.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttPublishMessage.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttCodecUtil.java
*
/netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttMessageFactory.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttMessageType.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckMessage.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttTopicSubscription.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttDecoder.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttConnectVariableHeader.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribePayload.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttEncoder.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttFixedHeader.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttConnectPayload.java
*
/netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttMessage.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckMessage.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttPublishVariableHeader.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribePayload.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribeMessage.java
* /netty-codec-mqtt-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubAckMessage.java

```

1.271 xnio-nio 3.5.5.Final-redhat-1

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Found in path(s):

- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioUdpChannel.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioTcpServer.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/AbstractNioChannel.java
- *
- /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/WorkerThread.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/OsgiActivator.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioXnioProvider.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/SelectorUtils.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/Log.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioXnioWorker.java

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Found in path(s):

- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioPipeSinkConduit.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioPipeSourceConduit.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioTcpServerHandle.java
- *
- /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioPipeStreamConnection.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioSocketConduit.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioUdpChannelHandle.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/AbstractNioStreamConnection.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioHandle.java
- * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioSocketStreamConnection.java

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* /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/NioXnio.java
 * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/Version.java
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* /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/QueuedNioTcpServerHandle.java
 * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/QueuedNioTcpServer.java
 * /xnio-nio-3-5-5-final-redhat-1-sources-jar/org/xnio/nio/ChannelClosed.java
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* /xnio-nio-3-5-5-final-redhat-1-sources-jar/META-INF/services/org.xnio.XnioProvider

1.272 wildfly-client-all 7.1.4.GA-redhat-1

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1.273 wildfly-naming-client 1.0.9.Final-redhat-1

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Found in path(s):

```
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-jar/META-
INF/services/org.wildfly.naming.client.NamingProviderFactory
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-jar/META-
INF/services/org.wildfly.naming.client.NamingContextFactory
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```

Found in path(s):

```
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
```

```

jar/org/wildfly/httpclient/naming/HttpNamingProviderFactory.java
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/naming/HttpRemoteNamingService.java
*
/wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/naming/HttpNamingEjbObjectResolverHelper.java
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/naming/HttpRemoteContext.java
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/naming/HttpNamingContextFactory.java
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/naming/HttpNamingClientMessages.java
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/naming/HttpRootContext.java
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/naming/HttpNamingProvider.java

```

1.274 netty-codec-socks 4.1.9.Final-redhat-1

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```

Found in path(s):

```

* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCmdStatus.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCmdType.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAddressType.java
*
/netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java

```

```
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksRequestType.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAuthScheme.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressType.java
*
/netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/SocksVersion.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java
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Found in path(s):

```
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientEncoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
*
/netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponseDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4Message.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/package-info.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ClientEncoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponseDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ServerEncoder.java
*
```


/netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerEncoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/AbstractSocks5Message.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequestDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/package-info.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java
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* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
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- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/package-info.java
- *
- /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerDecoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksMessageEncoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequest.java
- *
- /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksInitResponseDecoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/SocksMessage.java
- *
- /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/package-info.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandType.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthRequest.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksMessage.java
- *
- /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksAuthResponse.java
- * /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java

```

* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCmdRequestDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCmdRequest.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksRequest.java
*
/netty-codec-socks-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/socksx/v4/Socks4CommandResponse.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequest.java
* /netty-codec-socks-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/socks/SocksCommonUtils.java
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```

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1.275 artemis-commons 1.5.5.013-redhat-1

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* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/OptionMap.java

* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ByteString.java

* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/BlockingReadableByteChannel.java

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*
/xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/sasl/SaslStrength.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/BlockingByteChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ChannelListener.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SslChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/Sequence.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/FutureResult.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/CloseableChannel.java
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* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/FixedLengthUnderflowException.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/NullStreamSinkChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/FixedLengthOverflowException.java
*
/xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/FixedLengthStreamSinkChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/java/nio/channels/FileChannel.java
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- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/LimitedInputStream.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/LimitedOutputStream.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/LocalSocketAddress.java
- *
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ByteBufferSlicePool.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SocketAddressBuffer.java
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- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/BufferAllocator.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/Property.java
- *
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ChannelListeners.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/Streams.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/sasl/SaslUtils.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SimpleAcceptingChannel.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/sasl/SaslWrapper.java

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* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/StreamSinkChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/AbstractConvertingIoFuture.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SuspendableReadChannel.java
*
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/ChannelInputStream.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/ChannelOutputStream.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/AbstractIoFuture.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/Configurable.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/Xnio.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/WritableMultipointMessageChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/IOUtils.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ReadableMultipointMessageChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/MulticastMessageChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/IOFuture.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/WritableMessageChannel.java
*
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SuspendableWriteChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/UnsupportedOptionException.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/Channels.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ReadableMessageChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/StreamSourceChannel.java
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* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseXnioSsl.java
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* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/WriterOutputStream.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/BufferPipeOutputStream.java
*
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/Option.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/BufferedChannelInputStream.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/WriteTimeoutException.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ReadTimeoutException.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/streams/BufferPipeInputStream.java
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- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/BlockingStreamSinkConduit.java
- *
- /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ConduitReadableMessageChannel.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/SynchronizedMessageSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractSynchronizedSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/WriteReadyHandler.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/SynchronizedStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseSslStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/SynchronizedStreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/MessageSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/SourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/FileSystemWatcher.java
- *
- /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/MessageStreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/SslConnection.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/Conduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractStreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractMessageSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseStreamConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/sasl/SaslWrappingConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ReadReadyHandler.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AcceptListenerSettable.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/FileChangeCallback.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ConduitStreamSinkChannel.java
- *
- /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/DeflatingStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/management/XnioWorkerMXBean.java

- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/Conduits.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/MessageConnection.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/MessageStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/FramingMessageSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/FileAccess.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/SynchronizedMessageSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/BufferedStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/NullStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/BlockingStreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/EmptyStreamSourceConduit.java
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- /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/SinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/StreamSinkChannelWrappingConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/CloseListenerSettable.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/AbstractAcceptingSslChannel.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ReadListenerSettable.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/Options.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/sasl/SaslUnwrappingConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/WriteListenerSettable.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ConduitStreamSourceChannel.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseSslStreamConnection.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/FixedLengthStreamSinkConduit.java
- *
- /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/AutomaticReference.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/MessageSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/StreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/XnioIoThread.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractStreamSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/InflatingStreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ConduitWritableByteChannel.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ConduitWritableMessageChannel.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/management/XnioProviderMXBean.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/StreamConnection.java
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- /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/ConduitReadableByteChannel.java
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- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/http/HttpUpgradeParser.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/http/RedirectException.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractMessageSinkConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/FixedLengthStreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractSynchronizedSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/StreamSourceConduit.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/Connection.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/FileChangeEvent.java
- * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/AbstractConduit.java
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/xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/management/XnioServerMXBean.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/package-info.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseAcceptingSslStreamConnection.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseSslStreamSourceConduit.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/conduits/TerminateHandler.java
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* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/SingleOption.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/TypeSequenceOption.java
*
/xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/XnioExecutor.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/XnioWorker.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/SequenceOption.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ssl/JsseSslUtils.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/TypeOption.java
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 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/_private/Messages.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ReadPropertyAction.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SplitStreamSourceChannel.java
 *

/xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ProtectedWrappedChannel.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ChannelFactory.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/SplitStreamSinkChannel.java

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 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/FixedLengthStreamSourceChannel.java
 *
 /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledConnectedChannel.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledMessageChannel.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/PushBackStreamChannel.java
 * /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/BrokenPipeException.java

* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledConnectedSslStreamChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/EmptyStreamSourceChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/DelegatingChannelListener.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledConnectedMessageChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledConnectedStreamChannel.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/AssembledStreamChannel.java
*
/xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/ChannelPipe.java
* /xnio-api-3-5-5-final-redhat-1-sources-jar/org/xnio/channels/ConcurrentStreamChannelAccessException.java

1.277 artemis-hqclient-protocol 1.5.5.013-redhat-1

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* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/Version.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/VersionTwo.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/RemotingConnector.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/VersionedConnection.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/RemotingConnectorProvider.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/VersionOne.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/RemotingConnectorServer.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/VersionedConectionFactory.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/VersionedProxy.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/Versions.java
*
/remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/Constants.java
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* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/ServerMessageInterceptorFactory.java
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* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/Util.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-
jar/org/jboss/remotingjmx/protocol/CancellableDataOutputStream.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-
jar/org/jboss/remotingjmx/protocol/v2/WelcomeMessageReceiver.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/RemotingMBeanServerConnection.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/ServerProxy.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ClientCommon.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ParameterProxy.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/MBeanServerLocator.java
*
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/VersionedIoFuture.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ClientExecutorManager.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ServerCommon.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/DelegatingRemotingConnectorServer.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ServerProxy.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/Constants.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ClientConnection.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ClientRequestManager.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/VersionedIoFuture.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/Constants.java
*

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/remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/WrappedMBeanServerConnection.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/ConnectionIdReceiver.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/Common.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/Common.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v1/ClientConnection.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/Capability.java
* /remoting-jmx-3-0-0-final-redhat-1-sources-jar/org/jboss/remotingjmx/protocol/v2/ParameterConnection.java

```

1.279 jboss-jms-api 1.0.1.Final-redhat-1

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* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/InvalidClientIDRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/InvalidDestinationRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSContext.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSSecurityRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/IllegalStateRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSConnectionFactory.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSSessionMode.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSProducer.java
*
/jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/InvalidSelectorRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TransactionRolledBackRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSConsumer.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageFormatRuntimeException.java
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* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XAQueueConnection.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XAQueueConnectionFactory.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/InvalidSelectorException.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageProducer.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TopicPublisher.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TemporaryQueue.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/Connection.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/InvalidDestinationException.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageFormatException.java

*

/jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XATopicConnection.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XAJMSContext.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ExceptionListener.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XAConnection.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XATopicConnectionFactory.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XATopicSession.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/InvalidClientIDException.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ResourceAllocationException.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSException.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/BytesMessage.java

*

/jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XAQueueSession.java

* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageNotWriteableException.java

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* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/Message.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ResourceAllocationRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageListener.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageNotWriteableRuntimeException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/Topic.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueBrowser.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueReceiver.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/StreamMessage.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TransactionInProgressException.java
*
/jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TopicSubscriber.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageConsumer.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/DeliveryMode.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueRequestor.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/Destination.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TopicSession.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSSecurityException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MapMessage.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ServerSession.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ServerSessionPool.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ObjectMessage.java
*
/jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/IllegalStateException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueConnection.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueSession.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XAConnectionFactory.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueSender.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TransactionRolledBackException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TemporaryTopic.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TopicConnection.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageEOFException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/Queue.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/QueueConnectionFactory.java
*
/jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/MessageNotReadableException.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TextMessage.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TopicConnectionFactory.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ConnectionConsumer.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/XASession.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/ConnectionMetaData.java
* /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/TopicRequestor.java
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- * /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSConnectionFactoryDefinition.java
- * /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSDestinationDefinitions.java
- * /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSDestinationDefinition.java
- * /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSPasswordCredential.java
- * /jboss-jms-api-2-0-spec-1-0-1-final-redhat-1-sources-jar/javax/jms/JMSConnectionFactoryDefinitions.java

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```
<html>
<head>
<title>Specification License</title>
```

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<body>

Specification: JSR-343 Java Message Service ("Specification")

Version: 2.0

Status: Final Release

Specification Lead: Oracle America, Inc. ("Specification Lead")

Release: 20 March 2013

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1.280 wildfly-elytron 1.1.10.Final-redhat-1

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 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ObjectInputStreamUnmarshaller.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/AbstractMarshaller.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/ObjectReadField.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/ShortFieldPutter.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/IntFieldPutter.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/reflect/PublicReflectiveCreator.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ObjectResolver.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ObjectTable.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/StreamHeader.java
 *
 /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/AbstractClassResolver.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/ByteReadField.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ContextClassResolver.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/FloatFieldPutter.java
 * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/FlatNavigableMap.java

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* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ByteInputStream.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ProviderDescriptor.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/SimpleByteInput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/Externalizer.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ClassResolver.java
*
/jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ByteOutputStream.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/IdentityIntSet.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/reflect/SerializableField.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/InputStreamByteInput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/AbstractObjectOutput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/OutputStreamByteOutput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/MarshallerObjectInputStream.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/BooleanReadField.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/MarshallingObjectOutputStream.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/LimitedByteInput.java
*
/jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/ByteFieldPutter.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/reflect/SunReflectiveCreator.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/AbstractMarshallerFactory.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/ObjectFieldPutter.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ChainingClassExternalizerFactory.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/Kind.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/SimpleDataInput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/cloner/ClassLoaderClassCloner.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/Marshalling.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/IntReadField.java
*
/jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/DoubleFieldPutter.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ByteWriter.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/Creator.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/cloner/ClassCloner.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/CharFieldPutter.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/BytePipe.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ClassExternalizerFactory.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/reflect/ReflectiveCreator.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/ShortReadField.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/ObjectOutputStreamMarshaller.java
*
/jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/LimitedByteOutput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/package-info.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/reflect/package-info.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/AbstractObjectInput.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/util/BooleanFieldPutter.java
* /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/SimpleClassResolver.java
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- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/_private/GetDeclaredConstructorAction.java
- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/_private/GetUnsafeAction.java
- *
- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/_private/GetReflectionFactoryAction.java
- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/_private/GetDeclaredFieldAction.java
- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/JDKSpecific.java
- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/_private/GetDeclaredFieldsAction.java
- * /jboss-marshalling-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/_private/SetAccessibleAction.java

1.282 netty-codec-http 4.1.9.Final-redhat-1

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- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpUtil.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
- *
- /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpScheme.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/package-info.java
- *
- /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/CookieUtil.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java

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- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpClientUpgradeHandler.java

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- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultHttpHeaders.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
- *
- /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspMethods.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker13.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpObjectDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/Cookie.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/HttpPostRequestEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpRequest.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHttpHeaders.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/HttpPostMultipartRequestDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpObjectEncoder.java
- *
- /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspObjectDecoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/TextWebSocketFrame.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspResponseEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpMessage.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpResponseEncoder.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/LastHttpContent.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/MixedAttribute.java
- *
- /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketUtil.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspHeaders.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdySession.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/HttpPostBodyUtil.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/PongWebSocketFrame.java
- * /netty-codec-http-4-1-9-final-redhat-2-sources-

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jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/multipart/CaseIgnoringComparator.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpResponseDecoder.java
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/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultLastHttpContent.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/AbstractDiskHttpData.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
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* /netty-codec-http-4-1-9-final-redhat-2-sources-
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* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpServerCodec.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspResponseDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
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* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultHttpResponse.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/InterfaceHttpData.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/multipart/HttpPostRequestDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/package-info.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultHttpRequest.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpContentDecompressor.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpResponse.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/QueryStringEncoder.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/package-info.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/multipart/InterfaceHttpPostRequestDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/MemoryFileUpload.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpContentCompressor.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpObject.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketHandshakeException.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/package-info.java

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* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspRequestEncoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspRequestDecoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpClientCodec.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/HttpData.java
 *
 /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketVersion.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/MemoryAttribute.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/HttpDataFactory.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/package-info.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpObjectAggregator.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker08.java
 *
 /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultCookie.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker07.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/FileUpload.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/package-info.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpContentDecoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrame.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpResponseStatus.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/CookieDecoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
 *
 /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpHeaders.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpRequestEncoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpContent.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpHeaderDateFormat.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/QueryStringDecoder.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpVersion.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/AbstractHttpData.java
 *
 /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultHttpMessage.java
 * /netty-codec-http-4-1-9-final-redhat-2-sources-

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jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakerFactory.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpMethod.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/DiskAttribute.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspResponseStatuses.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultHttpObject.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/Attribute.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/InternalAttribute.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/DiskFileUpload.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpRequestDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultHttpContent.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpConstants.java
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```

* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketChunkedInput.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java
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 */
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* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameEncoder.java
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* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cors/CorsConfigBuilder.java

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```
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/ServerCookieEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.
java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
```

```

jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-
info.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandshaker.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpStatusClass.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.j
ava
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/ClientCookieEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpHeaderValues.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/HttpHeaderNames.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
*

```

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jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameClientExtensionHandshaker.java
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* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyFrame.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdySessionStatus.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/FullHttpResponse.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyVersion.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibEncoder.java
*
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/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHttpCodec.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameDecoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaders.java
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/netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockJZlibEncoder.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyPingFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cors/package-info.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandler.java
*
/netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java
* /netty-codec-http-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java
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```

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* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cors/CorsHandler.java

* /netty-codec-http-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/http/cors/CorsConfig.java

1.283 artemis-selector 1.5.5.013-redhat-1

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1.284 jboss-logging 3.3.1.Final-redhat-1

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1.285 jboss-ejb-client 4.0.11.Final-redhat-1

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* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBMethodLocator.java

```
*
/jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/_private/Logs.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBIdentifier.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/UnknownSessionID.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ByteExternalizer.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientInterceptorInformation.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/legacy/LegacyPropertiesConfiguration.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientInvocationContext.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBHomeLocator.java
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* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/RequestSendFailedException.java
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 *
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 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/DiscoveredURISelector.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/RemoteEJBDiscoveryConfigurator.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/naming/ejb/ejbURLContextFactory.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/DeploymentNodeSelector.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/TransactionPostDiscoveryInterceptor.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/URIAffinity.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/Idempotent.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/legacy/JBossEJBProperties.java
 *
 /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/Protocol.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/StatefulEJBLocator.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/RemoteEJBReceiver.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientInterceptor.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EntityEJBLocator.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/AbstractWritingExternalizer.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/ClientAsynchronous.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBProxyInterceptorInformation.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/ClientInterceptors.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/legacy/ElytronLegacyConfiguration.java
 *
 /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/Association.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ProtocolV3ObjectTable.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/SerializedEJBInvocationHandler.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/Attachable.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/V1EJBLocator.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/ClusterTopologyListener.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/CancelHandle.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/AttachmentKeys.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/BasicSessionID.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/XidTransactionID.java
 *
 /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/ClusterAffinity.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBModuleIdentifier.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/legacy/CommonLegacyConfiguration.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBTransportProvider.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/ArrayUtil.java
 * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBHomeHandle.java

- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/FixedSupplier.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBReceiverSessionCreationContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EntityEJBMetaData.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/CallbackBuffer.java
- *
- /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ProtocolV1ObjectPreResolver.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/NodeAffinity.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/TransactionID.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/CaptureCurrentAuthCtxSupplier.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClient.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-
- jar/org/jboss/ejb/protocol/remote/EJBMarshallingCompatibilityHelper.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/AbstractReceiverInvocationContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/EJBTransactionProvider.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/AttachmentKey.java
- *
- /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/SessionID.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-
- jar/org/jboss/ejb/protocol/remote/RemotingEJBClientInterceptor.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ProtocolV1ObjectTable.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/TransactionInterceptor.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/UserTransactionID.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/UUIDSessionID.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/AbstractInvocationContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/legacy/DiscoveryLegacyConfiguration.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/InvocationRequest.java
- *
- /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/ModuleAvailabilityListener.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-
- jar/org/jboss/ejb/protocol/remote/RemotingEJBDiscoveryProvider.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/StatelessEJBLocator.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/PackedInteger.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ProtocolV3ObjectResolver.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/Request.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientCluster.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBLocator.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ProtocolClassResolver.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/NamingEJBClientInterceptor.java
- *
- /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBRootContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/CompressionHint.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBNamingContextFactory.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/RemoteEJBService.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientConnection.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBReceiverContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBSessionCreationInvocationContext.java
- * /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBMetaDataImpl.java

```

* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/ClientTransaction.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBReceiverInvocationContext.java
*
/jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBClientPermission.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/ClientInterceptorPriority.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/ProtocolV1ObjectResolver.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBHandle.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBProxyInformation.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/ClusterNodeSelector.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/AbstractEJBMetaData.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/StatefulEJBMetaData.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/EJBClientChannel.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/protocol/remote/StackTraceElement4.java
*
/jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/server/SessionOpenRequest.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/StatelessEJBMetaData.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/FinishedFuture.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/Affinity.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/EJBReceiver.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-jar/org/jboss/ejb/client/annotation/ClientTransactionPolicy.java
* /jboss-ejb-client-4-0-9-final-redhat-1-sources-
jar/org/jboss/ejb/client/ConfigurationBasedEJBClientContextSelector.java

```

1.286 networkit 10.0

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1.287 wildfly-http-transaction-client

1.0.9.Final-redhat-1

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```
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/HttpRemoteTransactionService.java
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/HttpRemoteTransactionHandle.java
*
/wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/HttpRemoteTransactionProvider.java
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/HttpRemoteTransactionPeer.java
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/HttpRemoteTransactionMessages.java
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/transaction/XidProvider.java
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/HttpSubordinateTransactionHandle.java
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/transaction/TransactionConstants.java
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```
* /wildfly-http-transaction-client-1-0-9-final-redhat-1-sources-jar/META-
INF/services/org.wildfly.transaction.client.spi.RemoteTransactionProvider
```

1.288 wildfly-http-ejb-client 1.0.9.Final-redhat-1

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```
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/ejb/HttpProtocolV1ObjectResolver.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/EjbHttpService.java
*
/wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/RemoteHTTPhandler.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/HttpInvocationHandler.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/InvocationIdentifier.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/EjbHttpClientMessages.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/HttpCancelHandler.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/ejb/HttpProtocolV1ObjectTable.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-
jar/org/wildfly/httpclient/ejb/EJBMarshallingCompatibilityHelper.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/HttpEJBInvocationBuilder.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/PackedInteger.java
*
/wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/HttpSessionOpenHandler.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/HttpEJBReceiver.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/HttpClientProvider.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/EjbHeaders.java
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/ejb/ModuleIdentifier.java
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```
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/META-
INF/services/org.wildfly.httpclient.naming.HttpNamingEjbObjectResolverHelper
* /wildfly-http-ejb-client-1-0-9-final-redhat-1-sources-jar/META-
INF/services/org.jboss.ejb.client.EJBTransportProvider
```

1.289 jboss-logmanager 2.0.10.Final-redhat-1

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* /jboss-logmanager-2-0-10-final-redhat-1-sources-
jar/org/jboss/logmanager/CallerClassLoaderLogContextSelector.java
* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/StackTraceFormatter.java
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* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/PropertyConfigurable.java

*

/jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/Level.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/LevelRangeFilter.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ConfigurationLocator.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/MDC.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/FileHandler.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/ConsoleHandler.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/UncloseableWriter.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/Configurator.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/FastCopyHashMap.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ExtFormatter.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-

jar/org/jboss/logmanager/errormanager/OnlyOnceErrorManager.java

*

/jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LogContextSelectorService.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/AnyFilter.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LogContextSelector.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/UdpOutputStream.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/FormatStep.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/AsyncHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ErrorHandlerConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/SslTcpOutputStream.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/QueueHandler.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ExtHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/ByteStringBuilder.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/AbstractPropertyConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ThreadLocalLogContextSelector.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/InvertFilter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ErrorHandlerConfigurationImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/SubstituteFilter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LogService.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/AtomicArray.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/NullHandler.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LoggingMXBeanImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ConfigAction.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ClassLoaderLogContextSelector.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/LogContextConfigurationImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/CountingOutputStream.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/PojoConfigurationImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/FormatterConfigurationImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/LevelChangingFilter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/AllFilter.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/NamedConfigurable.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/PeriodicSizeRotatingFileHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/LevelFilter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ExtLogRecord.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/TcpOutputStream.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/SyslogHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/HandlerConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/UninterruptibleOutputStream.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/MultistepFormatter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/UncloseableOutputStream.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ContextClassLoaderLogContextSelector.java

* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/PojoConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/FilterConfigurationImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ObjectProducer.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/WriterHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LoggerNode.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/FlushableCloseable.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/SerializedLogger.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/DenyAllFilter.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/SizeRotatingFileHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/NDC.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/PropertyConfigurator.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/LoggerConfigurationImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ObjectConfigurable.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/Logger.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/AcceptAllFilter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/OutputStreamHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-
 jar/org/jboss/logmanager/config/AbstractBasicConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/FormatterConfiguration.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/ColorMap.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/CopyOnWriteWeakMap.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/filters/RegexFilter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/FormatStringParser.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/Protectable.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-
 jar/org/jboss/logmanager/handlers/PeriodicRotatingFileHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/LoggerConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/LogContextConfiguration.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/DefaultConfigurationLocator.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ValueExpression.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-
 jar/org/jboss/logmanager/LoggingUncaughtExceptionHandler.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/WrappedExtLogRecord.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LogContext.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-
 jar/org/jboss/logmanager/config/HandlerContainingConfigurable.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/Formatters.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/ValueExpressionImpl.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/LogManager.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/handlers/Handlers.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/config/FilterConfiguration.java
 *
 /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/StringBuilderWriter.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/CopyOnWriteMap.java
 * /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/formatters/PatternFormatter.java

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* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/META-INF/services/java.util.logging.LogManager

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* /jboss-logmanager-2-0-10-final-redhat-1-sources-jar/org/jboss/logmanager/ConcurrentReferenceHashMap.java

1.290 wildfly-common 1.2.0.Final-redhat-1

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* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/context/package-info.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/annotation/NotNull.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionObjIntConsumer.java

*

/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/context/ContextManager.java

* /wildfly-common-1-2-0-final-redhat-1-sources-

jar/org/wildfly/common/function/ExceptionObjLongConsumer.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionToIntBiFunction.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionToIntFunction.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionToLongFunction.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionLongFunction.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/package-info.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionBinaryOperator.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/context/ContextPermissionCollection.java

*

/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionUnaryOperator.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionBiPredicate.java

* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionFunction.java

* /wildfly-common-1-2-0-final-redhat-1-sources-

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jar/org/wildfly/common/function/ExceptionToLongBiFunction.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/annotation/Nullable.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionBiConsumer.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/context/Contextual.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionIntFunction.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/context/ContextPermission.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionSupplier.java
*
/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionBiFunction.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionConsumer.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionRunnable.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/_private/CommonMessages.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/function/ExceptionPredicate.java
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* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/Log.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/HostName.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/CleanerReference.java
*
/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/DefaultSelector.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/package-info.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/cpu/package-info.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/cpu/CacheInfo.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/cpu/CacheLevelInfo.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/cpu/CacheType.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/cpu/ProcessorInfo.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/package-info.java
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* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/WeakReference.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/PhantomReference.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/StrongReference.java
*
/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/ThreadLocalSelector.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/Reaper.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/Reference.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/Reapable.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/References.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/SoftReference.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/SelectorPermission.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/ref/package-info.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/GlobalSelector.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/Factory.java
*
/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/ContextClassLoaderSelector.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/selector/Selector.java

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* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/rpc/package-info.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/ExpressionNode.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/math/package-info.java
 *
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/net/Inet.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/os/package-info.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/rpc/IdentityIntMap.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/net/package-info.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/net/CidrAddress.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/net/HostName.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/Node.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/os/Process.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/rpc/RemoteExceptionCause.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/math/HashMath.java
 * /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/CompositeNode.java
 *

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/wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/package-info.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/LiteralNode.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/Expression.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/expression/ResolveContext.java
* /wildfly-common-1-2-0-final-redhat-1-sources-jar/org/wildfly/common/net/CidrAddressTable.java
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1.291 netty-codec-redis 4.1.9.Final-redhat-1

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```
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/ErrorMessage.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/BulkStringRedisContent.java
*
/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisMessagePool.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/redis/DefaultBulkStringRedisContent.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/IntegerRedisMessage.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisEncoder.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisMessage.java
*
/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/package-info.java
*/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisArrayAggregator.java
```



```
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/ArrayRedisMessage.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisDecoder.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/FixedRedisMessagePool.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/SimpleStringRedisMessage.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java
*
/netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/RedisConstants.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java
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```
* /netty-codec-redis-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-codec-redis/pom.xml
```

1.292 commons-beanutils 1.9.3.redhat-1

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1.293 wildfly-transaction-client 1.0.4.Final-redhat-1

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```
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/naming/txn/TxnNamingContext.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/_private/Log.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/naming/txn/ReadOnlyBinding.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/SimpleXid.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
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jar/org/wildfly/transaction/client/naming/txn/TxnNamingContextFactory.java

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* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/ContextXATerminator.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/AssociationListener.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/RemoteTransactionPermission.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/CreationListener.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/jboss/JBossLocalTransactionProvider.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/jboss/JBossJTSLocalTransactionProvider.java
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```
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/Protocol.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/SynchronizationException.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingTransactionServer.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/LocalUserTransaction.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/LocalTransactionContext.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/ImportResult.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/SubordinateXAResource.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/spi/RemoteTransactionProvider.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/spi/TransactionProvider.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/spi/SubordinateTransactionControl.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/ContextTransactionSynchronizationRegistry.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/SerializedXAResource.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/spi/RemoteTransactionPeer.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/RemoteTransaction.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/naming/txn/ReadOnlyNameClassPair.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/SimpleIdResolver.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/OutflowHandleManager.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/DelayedEnlistmentException.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/TransactionClientChannel.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/SerializedUserTransaction.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
```



```

jar/org/wildfly/transaction/client/ContextTransactionManager.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/jboss/JBossJTALocalTransactionProvider.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/AbstractTransaction.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/LocalTransaction.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/TransactionServerChannel.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingOperations.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/XAOutflowHandle.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/spi/LocalTransactionProvider.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/TransactionPermission.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/XAImporter.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-jar/org/wildfly/transaction/client/XARecoverable.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingRemoteTransactionProvider.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingRemoteTransactionPeer.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingRemoteTransactionHandle.java
*
/wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingTransactionService.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/XAOutflowResources.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/RemoteUserTransaction.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/RemoteTransactionContext.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/spi/SimpleTransactionControl.java
* /wildfly-transaction-client-1-0-4-final-redhat-1-sources-
jar/org/wildfly/transaction/client/provider/remoting/RemotingFallbackPeerProvider.java

```

1.294 netty-resolver-dns 4.1.9.Final-redhat-1

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* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/package-info.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsQueryContext.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsNameResolverContext.java
*
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsNameResolver.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java
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* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
*
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsQueryContextManager.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java

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* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/NoopDnsServerAddressStreamProvider.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
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```

* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/NoopDnsCache.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/InflightNameResolver.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DnsCache.java
*
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/dns/DefaultDnsCache.java
* /netty-resolver-dns-4-1-9-final-redhat-2-sources-
jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java

```

1.295 guava 25.0.0.redhat-1

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* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
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*

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CollectPreconditions.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TreeBasedTable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EmptyImmutableListMultimap.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMapValues.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableCollection.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/StandardRowSortedTable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Serialization.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableListMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SingletonImmutableBiMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Range.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/StandardTable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableEntry.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/PeekingIterator.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableBiMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/UnmodifiableIterator.java

```
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Table.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableBiMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Platform.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMapKeySet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSortedSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMapEntrySet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/HashBasedTable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Tables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMap.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableMap.java
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```
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```

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*
* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
* java.util.HashMap
class.
*/

```

Found in path(s):

`/guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Striped.java`

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`/guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/package-info.java`

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/JdkBackedImmutableSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/ImmutableSupplier.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/JdkBackedImmutableMultiset.java
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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/UnicodeEscaper.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Converter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Bytes.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/CheckedFuture.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/base/internal/Finalizer.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/InetAddresses.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Doubles.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/PercentEscaper.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Chars.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Booleans.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Stopwatch.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Joiner.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FluentIterable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/FileBackedOutputStream.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Floats.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Longs.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/Escaper.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractCheckedFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/CharMatcher.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Shorts.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Ints.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/MultiReader.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/thirdparty/publicsuffix/TrieParser.java

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```
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/Network.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/io/RecursiveDeleteOption.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/Graphs.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/PredecessorsFunction.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ImmutableNetwork.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TopKSelector.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/io/InsecureRecursiveDeleteException.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/MutableGraph.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/MutableNetwork.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/SuccessorsFunction.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ImmutableGraph.java
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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/JdkBackedImmutableMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/IndexedImmutableSet.java

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/**

* Not supported. You are attempting to create a map that may contain a non-{@code Comparable}
* key. Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
* version.

*

* @throws UnsupportedOperationException always

* @deprecated Pass a key of type {@code Comparable}

to use {@link

* `ImmutableSortedMap#of(Comparable, Object)`.

*/

Found in path(s):

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MultimapBuilder.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/MoreFiles.java

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ByteArrayDataOutput.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/annotations/GwtCompatible.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/CacheBuilder.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/HostSpecifier.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractService.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableTable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractIdleService.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Cut.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/Platform.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Splitter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/Escapers.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Platform.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/ReferenceEntry.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/UrlEscapers.java

- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/TypeResolver.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/SettableFuture.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingFuture.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/annotations/GwtIncompatible.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ByteProcessor.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Service.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MapMakerInternalMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SparseImmutableTable.java
- *

- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MapMaker.java
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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/InternetDomainName.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/DenseImmutableTable.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/SignedBytes.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/html/HtmlEscapers.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/xml/XmlEscapers.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Callables.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/ArrayBasedCharEscaper.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ByteArrayDataInput.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/LineProcessor.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/UnsignedBytes.java

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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Functions.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ListenableFuture.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Interners.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/AbstractIterator.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/Flushables.java

```

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ExecutionList.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Objects.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/FinalizableReferenceQueue.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/EventBus.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Function.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/LineBuffer.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/Files.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/Resources.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ByteStreams.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/MultiInputStream.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/base/FinalizableWeakReference.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/FinalizableSoftReference.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/LineReader.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Throwables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/CountingInputStream.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Predicate.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/CharStreams.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/FinalizablePhantomReference.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/Subscribe.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/LittleEndianDataOutputStream.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Preconditions.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/FinalizableReference.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/Primitives.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EnumMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/DeadEvent.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Defaults.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/Closeables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Suppliers.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Charsets.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/AsyncEventBus.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Supplier.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/package-info.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Predicates.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/HashBiMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/CountingOutputStream.java
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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingImmutableList.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CompactHashSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TreeTraverser.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AllEqualOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableAsList.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingImmutableMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/DescendingImmutableSortedSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/DescendingMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CompactLinkedHashSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingBlockingDeque.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EvictingQueue.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CompactLinkedHashMap.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredKeyListMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredEntrySetMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/UnmodifiableSortedMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredEntryMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TransformedIterator.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TreeRangeMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingNavigableSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredSetMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingImmutableSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableEnumMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingNavigableMap.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedMultisetBridge.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TransformedListIterator.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RangeMap.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CompactHashMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingDeque.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredKeySetMultimap.java
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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractRangeSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedIterable.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/GeneralRange.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedIterables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSortedMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RangeSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingSortedMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/LongAdder.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/Striped64.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/LongAdder.java
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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableRangeSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/BaseEncoding.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/html/package-info.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/base/StandardSystemProperty.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/ChecksumHashFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ServiceManager.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/CharSink.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/TypeCapture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ByteSink.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/LongAddable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/Invokable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/RateLimiter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/Closer.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/AbstractByteHasher.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/Parameter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/LinearTransformation.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/StatsAccumulator.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ByteSource.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/xml/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/FileWriteMode.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/PairedStats.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/SipHashFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/Stats.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/AbstractInvocationHandler.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/LongAddables.java
*

```


/guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/LongAddable.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CartesianList.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/PairedStatsAccumulator.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/TypeToInstanceMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/CharSource.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredKeyMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/ClassPath.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/LongAddables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableRangeMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/Element.java
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/**

```

* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler
  wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

```

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```

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Partially.java

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```

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/TypeToken.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Futures.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
*
  /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/FluentFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/annotations/VisibleForTesting.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/CollectionFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ImmediateFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/PatternFilenameFilter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/AppendableWriter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/TimeLimiter.java
*

```

/guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/TimeoutFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/CharEscaper.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/escape/CharEscaperBuilder.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AggregateFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
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 */
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned
array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */
```

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 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableSortedSet.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ComparisonChain.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableTable.java
 *
 /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableList.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSortedMap.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableEnumSet.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SingletonImmutableTable.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ArrayTable.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractIndexedListIterator.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingTable.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/DiscreteDomain.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableAsList.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
 *
 /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSetMultimap.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ComputationException.java
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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/Quantiles.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/Subscriber.java

*

- /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/MoreObjects.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/Dispatcher.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/SubscriberRegistry.java

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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/MacHashFunction.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AsyncCallable.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/FarmHashFingerprint64.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ConsumingQueueIterator.java

*

- /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/CombinedFuture.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/InterruptibleTask.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AggregateFutureState.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/LittleEndianByteArray.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Platform.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/ReaderInputStream.java

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```

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/VerifyException.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/TypeVisitor.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractTable.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/HashingInputStream.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Utf8.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/io/CharSequenceReader.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Runnables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/FilteredMultimapValues.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Verify.java

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express
* or implied. See the License for the specific language governing permissions and limitations under
* the License.
*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
* version.
*/

```

Found in path(s):

```

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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 * express
 * or implied. See the License for the specific language governing permissions and limitations under
 * the License.
 */
/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
 *
 * MurmurHash3 was written by Austin Appleby, and is placed in the public domain. The author
 * hereby disclaims
 * copyright to this source code.
 */

```

Found in path(s):

`/guava-25-0-0-redhat-1-sources-jar/com/google/common/base/SmallCharMatcher.java`

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 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
 *

```

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*/

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Hashing.java

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Hasher.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/RemovalListener.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/LongMath.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EmptyContiguousSet.java

*

/guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/AbstractCompositeHashFunction.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/AbstractStreamingHasher.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/WrappingExecutorService.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TreeRangeSet.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/HashingOutputStream.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/UnsignedLongs.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingExecutorService.java

* /guava-25-0-0-redhat-1-sources-

jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/CacheBuilderSpec.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/BloomFilterStrategies.java

*

/guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/PrimitiveSink.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/AbstractLoadingCache.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/RemovalListeners.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/ForwardingCache.java

- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Present.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Crc32cHashFunction.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Funnels.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/HttpHeaders.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/UnsignedInts.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/HostAndPort.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/LoadingCache.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/DoubleUtils.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/HashFunction.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/BoundType.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/package-info.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/RemovalCause.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/TypeParameter.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/DoubleMath.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/UnsignedLong.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/FutureCallback.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Hashing.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Ticker.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/AbstractCache.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/ForwardingLoadingCache.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/package-info.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Enums.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/reflect/Types.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/MathPreconditions.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/Weigher.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/FunctionalEquivalence.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/CacheStats.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AbstractScheduledService.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Uninterruptibles.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/Cache.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/BigIntegerMath.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/BloomFilter.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ExecutionError.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Queues.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/RemovalNotification.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/ParseRequest.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/PairwiseEquivalence.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/UnsignedInteger.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/HashCode.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/math/IntMath.java
- *

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/guava-25-0-0-redhat-1-sources-jar/com/google/common/net/MediaType.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Murmur3_32HashFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/cache/CacheLoader.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AsyncFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Absent.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractSortedMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularContiguousSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/AbstractHasher.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/Funnel.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/MessageDigestHashFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Optional.java
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```

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ExplicitOrdering.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ListMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Multimaps.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ByFunctionOrdering.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractListMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractMapEntry.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Lists.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EnumHashBiMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ConcurrentHashMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ClassToInstanceMap.java

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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/NullsFirstOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SingletonImmutableSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/NaturalOrdering.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Synchronized.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingQueue.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/LexicographicalOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/LinkedHashMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MapDifference.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingSortedMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/package-info.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/UsingToStringOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractMapBasedMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingIterator.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Multisets.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ReverseNaturalOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Sets.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedSetMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/EnumBiMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingMapEntry.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractIterator.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ReverseOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MutableClassToInstanceMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ComparatorOrdering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingObject.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/LinkedListMultimap.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ArrayListMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingSortedSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/BiMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Iterators.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RegularImmutableSet.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TreeMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractSortedSetMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Ordering.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingListIterator.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Multiset.java
- *
- /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingMultiset.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractBiMap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/HashMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/LinkedHashMultimap.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/TreeMultimap.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingConcurrentMap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingCollection.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingList.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SetMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableList.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CompoundOrdering.java
*

/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/NullsLastOrdering.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractSetMultimap.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/HashMultiset.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Iterables.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Maps.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Interner.java

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Found in path(s):

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/annotations/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Ascii.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Strings.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
*

/guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Monitor.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/annotations/Beta.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/Equivalence.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/Atomics.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedLists.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/net/package-info.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ContiguousSet.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/package-info.java

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```
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/hash/AbstractHashFunction.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/ImmutableDoubleArray.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/ImmutableLongArray.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingCondition.java
*
```

```
/guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/ForwardingLock.java
```

```
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/primitives/ImmutableIntArray.java
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```
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/JdkPattern.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/CommonPattern.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/CommonMatcher.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/base/PatternCompiler.java
```

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```
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/AbstractSequentialIterator.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MinMaxPriorityQueue.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RowSortedTable.java
*
/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingSetMultimap.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedMapDifference.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingListMultimap.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ForwardingImmutableCollection.java
*/guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/UnmodifiableListIterator.java
```

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Streams.java

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/GwtTransient.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/WellBehavedMap.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/util/concurrent/AtomicLongMap.java

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* /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/GraphConnections.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/UndirectedNetworkConnections.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ConfigurableMutableNetwork.java

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ConfigurableNetwork.java

*

/guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractGraphBuilder.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractValueGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/LinkedHashMultimapGwtSerializationDependencies.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ForwardingGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ForwardingNetwork.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/MapRetrievalCache.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/GraphBuilder.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ValueGraphBuilder.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/MutableValueGraph.java
 *
 /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CollectCollectors.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/Comparators.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/EndpointPair.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/DirectedGraphConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ValueGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/NetworkConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/MoreCollectors.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ElementOrder.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ConfigurableValueGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/EndpointPairIterator.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ConfigurableMutableGraph.java
 *
 /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/EdgesConnecting.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ImmutableValueGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/DirectedMultiNetworkConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ConfigurableMutableValueGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/ForwardingValueGraph.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/MapIteratorCache.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/RangeGwtSerializationDependencies.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/MultiEdgesConnecting.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/GraphConstants.java
 *
 /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/NetworkBuilder.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/UndirectedGraphConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractNetwork.java
 * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/DirectedNetworkConnections.java

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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/BaseGraph.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/Traverser.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/AbstractBaseGraph.java

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- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/CollectSpliterators.java
- * /guava-25-0-0-redhat-1-sources-jar/com/google/common/graph/package-info.java

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```

* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedMultisets.java
* /guava-25-0-0-redhat-1-sources-jar/com/google/common/collect/SortedMultiset.java

```

1.296 jboss-marshalling-river 2.0.5.Final-redhat-1

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```

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```

* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/Validator.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/BlockMarshaller.java
*

```

```

/jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/RiverMarshallerFactory.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/package-info.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-
jar/org/jboss/marshalling/river/SerializableGapClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/RiverProviderDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-
jar/org/jboss/marshalling/river/BasicSerializableClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-
jar/org/jboss/marshalling/river/SerializableClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/RiverMarshaller.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-
jar/org/jboss/marshalling/river/FutureSerializableClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/Protocol.java
*
/jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/BlockUnmarshaller.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-
jar/org/jboss/marshalling/river/ExternalizerClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-
jar/org/jboss/marshalling/river/RiverObjectOutputStream.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/RiverUnmarshaller.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/RiverObjectInputStream.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/SimpleClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/RiverPutField.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/ClassDescriptor.java
* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/org/jboss/marshalling/river/ClassDescriptors.java
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* /jboss-marshalling-river-2-0-5-final-redhat-1-sources-jar/META-
INF/services/org.jboss.marshalling.ProviderDescriptor

```

1.297 netty-codec-memcache 4.1.9.Final-redhat-1

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Found in path(s):

```
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseStatus.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/MemcacheContent.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java
*
/netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheMessage.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/FullMemcacheMessage.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/LastMemcacheContent.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
```

```

jar/io/netty/handler/codec/memcache/MemcacheMessage.java
*
/netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestDecoder.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheDecoder.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheOpCodes.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseDecoder.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheClientCodec.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheEncoder.java
*
/netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseEncoder.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/memcache/binary/package-
info.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/DefaultLastMemcacheContent.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/AbstractMemcacheObject.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheObjectAggregator.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/memcache/MemcacheObject.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestEncoder.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectEncoder.java
*
/netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectDecoder.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/DefaultMemcacheContent.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectAggregator.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/memcache/package-info.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheRequest.java

```

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Found in path(s):

* /netty-codec-memcache-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-codec-memcache/pom.xml

1.298 netty-codec-dns 4.1.9.Final-redhat-1

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Found in path(s):

* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuery.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java

```

*
/netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/package-info.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsResponse.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsSection.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java
*
/netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponse.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsQuery.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsMessage.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java
*
/netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsOpCode.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsQuestion.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
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Found in path(s):

```

* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java

```

```
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java
*
/netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java
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```
* /netty-codec-dns-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-codec-dns/pom.xml
```

1.299 netty-buffer 4.1.9.Final-redhat-1

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```


*/

// <https://tools.ietf.org/html/rfc7540#section-8.1.2.2> makes a special exception for TE

Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HttpConversionUtil.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ConnectionPrefaceWrittenEvent.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2StreamFrame.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java

*

```

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/ConstantTimeUtils.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/OutOfDirectMemoryError.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/SocketUtils.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/NoopDnsCache.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketChunkedInput.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/SelectStrategyFactory.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/PemEncoded.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/ThrowableUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/PromiseCombiner.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/redis/RedisClientHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/PromiseNotificationUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ResourceLeakTracker.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/SelectStrategy.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DateFormatter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/Java8SslParametersUtils.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/internal/tcnative/SessionTicketKey.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ResetFrame.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/WrappedCompositeByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2DataFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/BooleanSupplier.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ResetFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/IntSupplier.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2WindowUpdateFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelBootstrap.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelOutboundInvoker.java

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- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/WriteBufferWaterMark.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2DataFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultSelectStrategy.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/UnstableApi.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/Log4J2Logger.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/local/PreferHeapByteBufAllocator.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2GoAwayFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Codec.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledSlicedByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslExtendedKeyMaterialManager.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/flush/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ServerDowngrader.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/BootstrapConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsCache.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DefaultDnsCache.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/internal/tcnative/CertificateRequestedCallback.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/flow/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpRequests.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ResourceLeakDetectorFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2StreamStateEvent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/NativeLibraryUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpRequest.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/string/LineSeparator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DuplexChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpUtils.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledDuplicatedByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpRequestEncoder.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/ReadOnlyHttp2Headers.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpCommand.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/string/LineEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelInboundInvoker.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http2/helloworld/multiplex/server/Http2ServerInitializer.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2WindowUpdateFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpRequest.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/InboundHttpToHttp2Adapter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/LastSmtpContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2HeadersFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/DomainNameMappingBuilder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameCodec.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/smtp/SmtpContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2MultiplexCodec.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2StreamClosedEvent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2StreamActiveEvent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/multiplex/server/Http2Server.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/PemValue.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Frame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamStateEvent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/MacAddressUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2GoAwayFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/InflightNameResolver.java
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Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/AbstractSocks5Message.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttMessage.java
 * /netty-all-4-1-9-final-redhat-1-sources-
 jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslProvider.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2InboundFrameLogger.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/server/SpdyServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/ProxyHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/ServerCookieEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpHeaderNames.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttConnectMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlElement.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyProtocolException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttPublishMessage.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslContext.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/server/SpdyServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandshaker.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribeMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/AsciiString.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckVariableHeader.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlProcessingInstruction.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompSubframeAggregator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/PendingWriteQueue.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/MessageAggregationException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/server/HelloWorldHttp1Handler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/client/SpdyFrameLogger.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribeMessage.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompCommand.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslUtils.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponseDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSsl.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java

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* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/FastThreadLocal.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpStatusClass.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlElementEnd.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2OutboundFrameLogger.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/server/SpdyServerInitializer.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/NativeLibraryLoader.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttCodecUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubAckMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4Message.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyMessageDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/server/Http2ServerInitializer.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponseDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttPublishVariableHeader.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttFixedHeader.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtp/RtspHeaderNames.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ReflectiveChannelFactory.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompContentSubframe.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandler.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/client/SpdyClientInitializer.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/json/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsNameResolver.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/server/Http2Server.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribePayload.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
*
/netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2SecurityUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkSslContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/client/HttpResponseClientHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServer.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/IntegerHolder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompSubframeDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkNpnSslEngine.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/internal/tcnative/CertificateVerifier.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/DefaultStompFrame.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompHeadersSubframe.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/memcache/binary/MemcacheClientHandler.java
*
/netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerBenchmarkPage.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/InternalThreadLocalMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlDocumentStart.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/client/SpdyClientStreamIdHandler.java

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* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
*
/netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkSslSession.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/AbstractEventLoop.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttMessageType.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribePayload.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/DefaultLastStompContentSubframe.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/LastStompContentSubframe.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ThreadDeathWatcher.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttConnectVariableHeader.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttConnectPayload.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlElementStart.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckPayload.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/stomp/StompClient.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyProxiedProtocol.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlDocumentEnd.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlComment.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlAttribute.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Mapping.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelFactory.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompHeaders.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerInitializer.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttTopicSubscription.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java

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- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Crc32.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttVersion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/client/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompFrame.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/stomp/StompClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/memcache/binary/MemcacheClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtp/RtpHeaderValues.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlCdata.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/SimpleNameResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttConnectReturnCode.java
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- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompConstants.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/NoopAddressResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ClientEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpHeaderValues.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttIdentifierRejectedException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlDTD.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/file/FileServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/websocketx/benchmarkserver/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/NameResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/AddressResolverGroup.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.j

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- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ServerEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/PemReader.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttMessageIdVariableHeader.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ResourceLeakHint.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ipfilter/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsQueryContext.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslX509Certificate.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttMessageFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyProtocolVersion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlSpace.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/PromiseNotifier.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/server/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
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- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyCommand.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SniHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/DomainNameMapping.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttUnacceptableProtocolVersionException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlEntityReference.java
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- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameClientExtensionHandshaker.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/websocketx/client/WebSocketClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeadersSubframe.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlCharacters.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java

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* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/HAProxyConstants.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequestDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/haproxy/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttPubAckMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/PromiseAggregator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/ProxyConnectException.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/StompSubframe.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsNameResolverContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/ClientCookieEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/server/SpdyOrHttpHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlNamespace.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/stomp/DefaultStompContentSubframe.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/spdy/client/SpdyClient.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslContext.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameLogger.java
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 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/TrafficCounter.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/UdtChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/sctp/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/sctp/SctpMessageCompletionHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/package-info.java

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Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cors/CorsHandler.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/cors/OkResponseHandler.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cors/CorsConfig.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/flow/FlowControlHandler.java

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```

Found in path(s):

```
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java
*
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2StreamVisitor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/UniformStreamByteDistributor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/MathUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/CoalescingBufferQueue.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java
*
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ByteProcessor.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/StreamByteDistributor.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/ValueConverter.java
```

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* WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
* License for the specific language governing permissions and limitations
* under the License.
*/
/*
* Written by Robert Harder and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert
  Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

```

Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java

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* under the License.
*/
// Try the OpenJDK's proprietary implementation.

```

Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/SelfSignedCertificate.java

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Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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 * License for the specific language governing permissions and limitations
 * under the License.
 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its {@link ChannelPipeline}.
 *
 * 

### Sub-types


 *
 * 

{@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:


 *
 * 


 * - {@link ChannelInboundHandler} to handle inbound I/O events, and

 * - {@link ChannelOutboundHandler} to handle outbound I/O operations.


 *
 * 
 */
```

* Alternatively, the following adapter classes are provided for your convenience:

- *
- * {@link ChannelInboundHandlerAdapter} to handle inbound I/O events,
- * {@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and
- * {@link ChannelDuplexHandler} to handle both inbound and outbound events
- *

* </p>

* <p>

* For more information, please refer to the documentation of each subtype.

* </p>

*

* <h3>The context object</h3>

* <p>

* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the

* {@link ChannelPipeline} it belongs to via a context object. Using the

* context object, the {@link ChannelHandler} can pass events upstream or

* downstream, modify the pipeline dynamically,

or store the information

* (using {@link AttributeKey}s) which is specific to the handler.

*

* <h3>State management</h3>

*

* A {@link ChannelHandler} often needs to store some stateful information.

* The simplest and recommended approach is to use member variables:

* <pre>

* public interface Message {

* // your methods here

* }

*

* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {

*

* private boolean loggedIn;

*

* {@code @Override}

* public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {

* {@link Channel} ch = e.getChannel();

* if (message instanceof LoginMessage) {

* authenticate((LoginMessage) message);

* loggedIn = true;

* } else (message instanceof GetDataMessage) {

* if (loggedIn) {

* ch.write(fetchSecret((GetDataMessage) message));

* } else {

*

fail();

* }

* }

```

* }
* ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which
* is provided by
* {@link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         {@link Channel} ch = ctx.channel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ch.write(fetchSecret((GetDataMessage) o));
*             } else {

```

```

*         fail();
*
*     }
* }
* }
* ...
* }

```

* </pre>

* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the same handler instance to different pipelines:

* <pre>

```

* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}> {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }

```

* </pre>

*

*

* <h4>The {@code @Sharable} annotation</h4>

* <p>

* In the example above which used an {@link AttributeKey}, you might have noticed the {@code @Sharable} annotation.

* <p>

* If a {@link ChannelHandler} is annotated with the {@code @Sharable} annotation, it means you can create an instance of the handler just once and add it to one or more {@link ChannelPipeline}s multiple times without a race condition.

* <p>

* If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

* <p>

* This annotation is provided for documentation purpose, just like the JCIP annotations.

*

* <h3>Additional resources worth reading</h3>

* <p>

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

*/

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelHandler.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ScheduledFutureTask.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/AbstractEventLoopGroup.java

*

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Recycler.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressType.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/PendingWrite.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/RecyclableArrayList.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/DefaultChannelGroup.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ImmediateEventExecutor.java

* /netty-all-4-1-9-final-redhat-1-sources-

jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheRequest.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/UdtChannelOption.java

* /netty-all-4-1-9-final-redhat-1-sources-

jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseEncoder.java

*

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectEncoder.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/FullMemcacheMessage.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/rxtx/RxtxClientHandler.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cors/package-info.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java

* /netty-all-4-1-9-final-redhat-1-sources-

jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheDecoder.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdySettingsFrame.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/AddressedEnvelope.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/ChannelFactory.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheClientCodec.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/DefaultUdtServerChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/DefaultLastMemcacheContent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/AbstractEventExecutorGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/MemcacheObject.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/DefaultPromise.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyPingFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/FullHttpResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockJZlibEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ProgressiveFuture.java
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- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/EmptyArrays.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Version.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/Promise.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheResponse.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ResourceLeakDetector.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/SocksVersion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/Future.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaders.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ReferenceCountUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/TypeParameterMatcher.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/UdtServerChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksAuthScheme.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/MessageSizeEstimator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksAddressType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/Crc32c.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/rxtx/RxtxClient.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/helloworld/HttpHelloWorldServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelProgressiveFuture.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/FullHttpMessage.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ImmediateExecutor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/ChannelGroupException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/GenericFutureListener.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/MemcacheMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/v5/Socks5CommandType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/DefaultFutureListeners.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/PromiseTask.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObject.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultChannelId.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdySessionStatus.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractDerivedByteBuf.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/DefaultThreadFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ResourceLeakException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/FixedCompositeByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/ChannelMatcher.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectAggregator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/worldclock/WorldClockProtocol.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ThreadPerTaskExecutor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/ReadOnlyIterator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnreleasableByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/package-info.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ReferenceCounted.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/ChannelGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/ConcurrentSet.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ResourceLeak.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/v5/Socks5CommandStatus.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/helloworld/HttpHelloWorldServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksRequestType.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/AbstractEventExecutor.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/AbstractFuture.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHttpCodec.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksCmdType.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheOpcodes.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ByteBufProcessor.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultChannelProgressivePromise.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/ConstantPool.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyVersion.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/DefaultByteBufHolder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/FutureListener.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/PlatformDependent0.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelProgressivePromise.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/EmptyByteBuf.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ProgressivePromise.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/AbstractReferenceCounted.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ScheduledFuture.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/MemcacheContent.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/AppendableCharSequence.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/DefaultMemcacheContent.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseStatus.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/LastMemcacheContent.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ByteBufHolder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequest.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/CompleteFuture.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheObjectAggregator.java
 * /netty-all-4-1-9-final-redhat-1-sources-

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jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/ChannelMatchers.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksCmdStatus.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelId.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/memcache/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/WrappedByteBuf.java
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```

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* under the License.
*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
<p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes

```

* that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

* <pre>

* lengthFieldOffset = 0

* lengthFieldLength = 2

* lengthAdjustment = 0

* initialBytesToStrip = 0 (= do not strip header)

*

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

* +-----+-----+ +-----+-----+

* | Length | Actual Content

|---->| Length | Actual Content |

* | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |

* +-----+-----+ +-----+-----+

* </pre>

*

* <h3>2 bytes length field at offset 0, strip header</h3>

*

* Because we can get the length of the content by calling

* {@link ByteBuffer#readableBytes()}, you might want to strip the length

* field by specifying <tt>initialBytesToStrip</tt>. In this example, we

* specified <tt>2</tt>, that is same with the length of the length field, to

* strip the first two bytes.

* <pre>

* lengthFieldOffset = 0

* lengthFieldLength = 2

* lengthAdjustment = 0

* initialBytesToStrip = 2 (= the length of the Length field)

*

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

* +-----+-----+ +-----+

* | Length | Actual Content |---->| Actual Content |

* | 0x000C | "HELLO, WORLD" | | "HELLO, WORLD" |

* +-----+-----+ +-----+

* </pre>

*

* <h3>2 bytes length field at offset 0, do not strip header, the length field

* represents the length of the whole message</h3>

*

* In most cases, the length field represents the length of the message body

* only, as shown in the previous examples. However, in some protocols, the

* length field represents the length of the whole message, including the

* message header. In such a case, we specify a non-zero

* <tt>lengthAdjustment</tt>. Because the length value in this example message

* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>

* as <tt>lengthAdjustment</tt> for compensation.

* <pre>

```

* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual
  Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |   |
  0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |

```

```
* | 0x00000C | 0xCAFE | "HELLO, WORLD" | | 0x00000C | 0xCAFE | "HELLO,
WORLD" |
```

```
* +-----+-----+-----+ +-----+-----+-----+
```

```
* </pre>
```

```
*
```

```
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
```

```
* strip the first header field and the length field</h3>
```

```
*
```

```
* This is a combination of all the examples above. There are the prepended
```

```
* header before the length field and the extra header after the length field.
```

```
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
```

```
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
```

```
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
```

```
* header from the frame. If you don't want to strip the prepended header, you
```

```
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
```

```
* <pre>
```

```
* lengthFieldOffset = 1 (= the length of HDR1)
```

```
* lengthFieldLength = 2
```

```
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
```

```
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
```

```
*
```

```
* BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
```

```
* +-----+-----+-----+-----+ +-----+-----+
```

```
* | HDR1 | Length | HDR2 | Actual Content |-----| HDR2 | Actual Content |
```

```
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
```

```
* +-----+-----+-----+-----+ +-----+-----+
```

```
* </pre>
```

```
*
```

```
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
```

```
* strip the first header field and the length field, the length field
```

```
* represents the length of the whole message</h3>
```

```
*
```

```
* Let's give another twist to the previous example. The only difference from
```

```
* the previous example is that the length field represents the length of the
```

```
* whole message instead of the message body, just like the third example.
```

```
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
```

```
* Please note that we don't need to take the length of HDR2 into account
```

```
* because
```

```
the length field already includes the whole header length.
```

```
* <pre>
```

```
* lengthFieldOffset = 1
```

```
* lengthFieldLength = 2
```

```
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
```

```
* <b>initialBytesToStrip</b> = <b>3</b>
```

```
*
```

```
* BEFORE DECODE (16 bytes)                      AFTER DECODE (13 bytes)
```

```
* +-----+-----+-----+-----+ +-----+-----+
```

```
* | HDR1 | Length | HDR2 | Actual Content |-----| HDR2 | Actual Content |
```

```

* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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```

*
*/

Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/MessageFormatter.java
*

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/FormattingTuple.java

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

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Found in path(s):

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/logging/package-info.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/util/package-info.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java

*

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksCmdRequest.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolSubpage.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelPromiseAggregator.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/stream/ChunkedInput.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/nio/NioEventLoop.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/CorruptedFrameException.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/securechat/SecureChatServerHandler.java

*

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksAuthResponse.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/TooLongFrameException.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdySession.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/package-info.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ByteBufOutputStream.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/HttpPostRequestEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/Delimiters.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/proxy/HexDumpProxyBackendHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/uptime/UptimeClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/EventLoopGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/helloworld/HttpHelloWorldServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpContentEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/sctp/SctpEchoClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/qotm/QuoteOfTheMomentClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/socksproxy/SocksServerConnectHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpConstants.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/websocketx/server/WebSocketIndexPageHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/file/HttpStaticFileServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerTwo.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/DiskAttribute.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtp/RtpObjectDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/CaseIgnoringComparator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/DuplicatedByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/CompleteChannelFuture.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/oio/OioSctpServerChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/proxy/HexDumpProxyFrontendHandler.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/InternalAttribute.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerBase.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/uptime/UptimeClient.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/TimerTask.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/worldclock/WorldClockServerHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/Bootstrap.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ReadOnlyByteBuf.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ThreadPerChannelEventLoop.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpVersion.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/JdkLoggerFactory.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelMetadata.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpObject.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/protobuf/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/CharsetUtil.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DatagramChannelConfig.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/HttpPostMultipartRequestDecoder.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/stream/ChunkedNioFile.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Constant.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/bytes/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/ChannelByteBufferInput.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpServerCodec.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/EncoderException.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/oio/OioSctpChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/DiskFileUpload.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledDirectByteBuf.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Timer.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/FactorialClientHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpMethod.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/logging/LogLevel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/string/StringEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/RecvByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/package-info.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/securechat/SecureChatServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/FactorialClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/sctp/SctpEchoServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/multipart/InterfaceHttpPostRequestDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/PlatformDependent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/package-info.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker08.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpObjectEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/portunification/PortUnificationServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/InternalLoggerFactory.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpContentDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/FixedRecvByteBufAllocator.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/EventLoop.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/upload/HttpUploadClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/upload/HttpUploadClientInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/embedded/EmbeddedChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/objectecho/ObjectEchoServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvous/Config.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameEncoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/AbstractConstant.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/localecho/LocalEchoServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/example/http/websocketx/server/WebSocketServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/socksproxy/SocksServerHandler.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/SocketChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/qotm/QuoteOfTheMomentClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolThreadCache.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/AbstractDiskHttpData.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/InterfaceHttpData.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/snoop/HttpSnoopServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/ServerBootstrap.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/NotSslRecordException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/upload/HttpUploadServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/Slf4JLogger.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelOutboundHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/SystemPropertyUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/snoop/HttpSnoopClientInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/QueryStringDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/nio/AbstractNioChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/bytes/ByteEchoServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/objectecho/ObjectEchoClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpObjectAggregator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelPipelineException.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/local/LocalAddress.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/package-info.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/stream/ChunkedFile.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/websocketx/server/WebSocketServerIndexPage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpContentDecompressor.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerOne.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelPromise.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksCmdRequestDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/local/LocalChannel.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/file/HttpStaticFileServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/FailedChannelFuture.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/telnet/TelnetClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelInboundHandlerAdapter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/oio/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledDirectByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Signal.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/xml/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/proxy/HexDumpProxyInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/local/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvousBytes/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/Cookie.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker07.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/upload/HttpUploadServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelFuture.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/oio/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/VoidChannelPromise.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/echo/EchoClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/MemoryAttribute.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/NumberEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtsp/RtspVersions.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/InternalLogLevel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/sctp/SctpOutboundByteStreamHandler.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/TextWebSocketFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/message/MsgEchoServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/InternetProtocolFamily.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/local/LocalChannelRegistry.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ByteBufUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/logging/LoggingHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/nio/AbstractNioByteChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/CombinedIterator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DatagramPacket.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/securechat/SecureChatServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/stream/ChunkedNioStream.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtsp/RtspHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/HashedWheelTimer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/telnet/TelnetClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DecoderResult.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/HttpPostBodyUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultHttpObject.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/telnet/TelnetClientInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/snoop/HttpSnoopClient.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtsp/RtspResponseDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpResponseStatus.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/securechat/SecureChatClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultHttpHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/Channel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/group/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/FactorialServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/worldclock/WorldClockServerInitializer.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/echo/EchoClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtsp/RtspResponseStatuses.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/objectecho/ObjectEchoServer.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/SocksMessage.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/proxy/HexDumpProxy.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/OioSocketChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/sctp/SctpEchoClient.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/oio/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/telnet/TelnetServer.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/portunification/PortUnificationServerHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/FileUpload.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/message/MsgEchoClientHandler.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultHttpRequest.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/oio/AbstractOioMessageChannel.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/snoop/HttpSnoopServer.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequest.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/message/MsgEchoClient.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelFutureListener.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/AttributeMap.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/NetUtil.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrame.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/socksproxy/SocksServerInitializer.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolChunk.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/multipart/Attribute.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/DefaultUdtChannelConfig.java
 * /netty-all-4-1-9-final-redhat-1-sources-
 jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/bytes/package-info.java
 *
 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/Log4JLoggerFactory.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/message/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/websocketx/server/package-info.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/worldclock/WorldClockServer.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/BlockingOperationException.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/BigIntegerDecoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/message/MsgEchoServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/FactorialServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/file/HttpStaticFileServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/bootstrap/AbstractBootstrap.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpContentCompressor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/DefaultEventExecutor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/telnet/TelnetServerInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/Timeout.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/bytes/ByteEchoServer.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/spdy/SpdyHttpHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker00.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultHttpContent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/securechat/SecureChatClient.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/AbstractChannel.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/FactorialServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpResponseDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelFlushPromiseNotifier.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/marshalling/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/CookieDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/websocketx/server/WebSocketFrameHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/LastHttpContent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/factorial/FactorialClientInitializer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/nio/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker13.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtsp/RtspResponseEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/nio/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/string/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/PongWebSocketFrame.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/worldclock/WorldClockClientHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/MessageAggregator.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/DefaultAttributeMap.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/file/FileServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerTwo.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/UdtMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelInboundHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelOption.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/embedded/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpResponseEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerOne.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/localecho/LocalEcho.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/EventExecutorGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/socksproxy/RelayHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpHeaderDateFormat.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
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jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/ChannelHandlerContext.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/SwappedByteBuf.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http/upload/HttpUploadClientHandler.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakerFactory.java
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* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/DatagramChannel.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/base64/package-info.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolChunkList.java
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* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/DefaultCookie.java
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/netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/SlicedByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/EventLoopException.java
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 /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/InternalLogger.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/CommonsLogger.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/logging/JdkLogger.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java

*

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/EmptyPriorityQueue.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/UncheckedBooleanSupplier.java

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/ReflectionUtil.java

```

* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PooledByteBufAllocatorMetric.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ByteBufAllocatorMetric.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/HostsFileEntries.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/PriorityQueue.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/LongAdderCounter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/NoopDnsServerAddressStreamProvider.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttMessageBuilders.java
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* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameEncoder.java

```


* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
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 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackHuffmanDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackHeaderField.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackEncoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackStaticTable.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HpackDynamicTable.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/FixedRedisMessagePool.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisDecoder.java
 * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisArrayAggregator.java
 *

```

/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/redis/RedisClient.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/DefaultBulkStringRedisContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http2/helloworld/multiplex/server/Http2OrHttpHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamChannel.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisMessagePool.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/example/http2/helloworld/multiplex/server/HelloWorldHttp2Handler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisConstants.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/ErrorRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/IntegerRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/ArrayRedisMessage.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/SimpleStringRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/BulkStringRedisContent.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/worldclock/WorldClockProtocol.proto
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/SctpChannelConfig.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/nio/NioSctpChannel.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/SctpMessage.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/SctpServerChannel.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/Cleaner0.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultChannelHandlerContext.java
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 *
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/internal/tcnative/SSL.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/internal/tcnative/SSLContext.java

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- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsQuery.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/Http2OrHttpHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/Html.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
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- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/Launcher.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/Http1RequestHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandlerBuilder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/HostsFileParser.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsOpCode.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/FallbackRequestHandler.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledSlicedByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/Http2Server.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandlerBuilder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/AddressResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2HandlerBuilder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsQueryContextManager.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socks/v5/Socks5AddressDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
- * /netty-all-4-1-9-final-redhat-1-sources-
- jar/io/netty/handler/codec/http2/AbstractHttp2ConnectionHandlerBuilder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolSubpageMetric.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsQuestion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/ImageCache.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsSection.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolChunkListMetric.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/ChannelPool.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnsafeByteBufUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolArenaMetric.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/CharSequenceMap.java

- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/HttpServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoClient.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/DefaultNameResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/package-info.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/LongCounter.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/InetNameResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/DefaultPriorityQueue.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/AsyncMapping.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuery.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/PoolChunkMetric.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsRecord.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoServer.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ClientAuth.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/tiles/Http2RequestHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/PriorityQueueNode.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/CompositeNameResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/FixedChannelPool.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
- *
- /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/AbstractAddressResolver.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsMessage.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/CookieUtil.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/HashingStrategy.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java
- * /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java

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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpScheme.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/DomainMappingBuilder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/buffer/HeapByteBufUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/concurrent/ThreadProperties.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/rtp/RtpDecoder.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/rxtx/RxtxChannelOption.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/rxtx/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/rxtx/RxtxChannelConfig.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/sctp/SctpChannelOption.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/udt/UdtServerChannel.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/oio/OioByteStreamChannel.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/channel/rxtx/RxtxChannel.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/LongCollections.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/LongObjectHashMap.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2FrameWriter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameSizePolicy.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2HeadersEncoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpClientUpgradeHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameReader.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2EventAdapter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Connection.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/CharObjectMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http/HttpServerUpgradeHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapter.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/IntObjectHashMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ServerUpgradeCodec.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/internal/ObjectUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/ShortObjectMap.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersEncoder.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/DefaultHeaders.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/client/Http2Client.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/MqttQoS.java
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* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/Headers.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2Handler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2Connection.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/server/Http2OrHttpHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/Http2ExampleUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/client/HttpResponseHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/example/http2/helloworld/client/Http2ClientInitializer.java
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/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ClientUpgradeCodec.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameWriter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ConnectionDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2DataWriter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/EmptyHttp2Headers.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameTypes.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/ByteObjectMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2LocalFlowController.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2Headers.java
* /netty-all-4-1-9-final-redhat-1-sources-
jar/io/netty/handler/codec/http2/DelegatingDecompressorFrameListener.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameListener.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2LifecycleManager.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2NoMoreStreamIdsException.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/CharObjectHashMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2RemoteFlowController.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Settings.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/IntCollections.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/ByteCollections.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/IntObjectMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ConnectionEncoder.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Flags.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Stream.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/ShortObjectHashMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/ShortCollections.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/LongObjectMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameListenerDecorator.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ConnectionAdapter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2FrameReader.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FlowController.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2FrameAdapter.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2HeadersDecoder.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Exception.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/mqtt/package-info.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/ByteObjectHashMap.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2CodecUtil.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2LocalFlowController.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/DefaultHttp2RemoteFlowController.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/util/collection/CharCollections.java
*
/netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java
* /netty-all-4-1-9-final-redhat-1-sources-jar/io/netty/handler/codec/http2/Http2Error.java

```

1.300 artemis-core-client 1.5.5.013-redhat-1

1.300.1 Available under license :

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=====
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- * /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/HAProxyMessage.java
- * /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/HAProxyProtocolVersion.java
- *
- /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/HAProxyProtocolException.java
- * /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/HAProxyConstants.java
- * /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/HAProxyMessageDecoder.java
- * /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/package-info.java
- * /netty-codec-haproxy-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/haproxy/HAProxyProxiedProtocol.java

1.302 wildfly-http-client-common 1.0.9.Final-redhat-1

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* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/HttpTargetContext.java

*

/wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/WildflyHttpContext.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/WildflyClientInputStream.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/HttpServerHelper.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/NoFlushByteOutput.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/ContentType.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/ConfigurationHttpContextSupplier.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/PoolAuthenticationContext.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/HttpConnectionPool.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/HttpContextGetterHolder.java

*

/wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/HostPool.java

* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-jar/org/wildfly/httpclient/common/HttpClientXmlParser.java

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* /wildfly-http-client-common-1-0-9-final-redhat-1-sources-  
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jar/org/wildfly/httpclient/common/WildflyClientOutputStream.java
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1.303 netty-handler 4.1.9.Final-redhat-1

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- * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/traffic/TrafficCounter.java
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* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSsl.java
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* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
*
/netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkSslContext.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkNpnSslEngine.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SslUtils.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
 *
 /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/PemReader.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/package-info.java
 *
 /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslContext.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SniHandler.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
 *
 /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslX509Certificate.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
 *
 /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/JdkSslSession.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SslContext.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
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* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ClientAuth.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
*
/netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SslContextBuilder.java

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* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java

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* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java

* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/IdleState.java

*

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/netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/IdleStateHandler.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/ChunkedNioStream.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/ChunkedInput.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/ChunkedStream.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/ChunkedNioFile.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/NotSslRecordException.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/ChunkedFile.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/logging/package-info.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/TimeoutException.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
*
/netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/logging/LoggingHandler.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/package-info.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/SslHandler.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/timeout/package-info.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/stream/package-info.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/package-info.java
* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/logging/LogLevel.java
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 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/PemValue.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/OpenSslExtendedKeyMaterialManager.java
 *
 /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/flush/package-info.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/flow/package-info.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
 *
 /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/ssl/PemEncoded.java
 * /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java
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* /netty-handler-4-1-9-final-redhat-2-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java

1.304 wildfly-discovery-client 1.0.0.Final-redhat-1

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* /wildfly-discovery-client-1-0-0-final-redhat-1-jar/META-INF/maven/org.wildfly.discovery/wildfly-discovery-client/pom.xml

1.305 netty-transport 4.1.9.Final-redhat-1

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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
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/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/ChannelPool.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/package-info.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelId.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/MessageSizeEstimator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultMessageSizeEstimator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelProgressivePromise.java

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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AbstractEventLoopGroup.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/ChannelGroup.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AddressedEnvelope.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/ChannelFactory.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/ChannelGroupException.java
* /netty-transport-4-1-9-final-redhat-2-sources-
jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultChannelId.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/ChannelMatchers.java
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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AbstractEventLoop.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/PendingWriteQueue.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelFactory.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ReflectiveChannelFactory.java

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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultChannelHandlerContext.java
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Found in path(s):

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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /netty-transport-4-1-9-final-redhat-2-sources-
jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
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* under the License.
*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>{@link
* ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically,
* or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>

```

```

* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Channel} ch = e.getChannel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ch.write(fetchSecret((GetDataMessage) message));
*             } else {
*
*                 fail();
*             }
*         }
*         ...
*     }
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which

```

is provided by

```
* {@link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; attr =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         {@link Channel} ch = ctx.channel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else if (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ch.write(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* }
```

* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the same handler instance to different pipelines:

```
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
```

* <h4>The {@code @Sharable} annotation</h4>

* <p>

- * In the example above which used an {@link AttributeKey},
- * you might have noticed the {@code @Sharable} annotation.
- * <p>
- * If a {@link ChannelHandler} is annotated with the {@code @Sharable}
- * annotation, it means you can create an instance of the handler just once and
- * add it to one or more {@link ChannelPipeline}s multiple times without
- * a race
- condition.
- * <p>
- * If this annotation is not specified, you have to create a new handler
- * instance every time you add it to a pipeline because it has unshared state
- * such as member variables.
- * <p>
- * This annotation is provided for documentation purpose, just like
- * the JCIP annotations.
- *
- * <h3>Additional resources worth reading</h3>
- * <p>
- * Please refer to the {@link ChannelHandler}, and
- * {@link ChannelPipeline} to find out more about inbound and outbound operations,
- * what fundamental differences they have, how they flow in a pipeline, and how to handle
- * the operation in your application.
- */

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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelHandler.java

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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/CoalescingBufferQueue.java

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```

* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultSelectStrategy.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/WriteBufferWaterMark.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/SelectStrategy.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/PreferHeapByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/SelectStrategyFactory.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/BootstrapConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DuplexChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelInboundInvoker.java

```

* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultEventLoopGroup.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelPipeline.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/EventLoop.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelOption.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelPromiseAggregator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/ServerSocketChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultEventLoop.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/AbstractNioChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/VoidChannelPromise.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelHandlerContext.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelFlushPromiseNotifier.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/InternetProtocolFamily.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelPromiseNotifier.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/EventLoopException.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/AbstractNioByteChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultChannelPipeline.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelInboundHandler.java

*
 /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelPromise.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/SocketChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelInitializer.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultChannelPromise.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/NioEventLoopGroup.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/oio/AbstractOioChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/package-info.java
 *
 /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/CombinedIterator.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/ServerBootstrap.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ServerChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/LocalChannelRegistry.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/package-info.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/DefaultChannelGroupFuture.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ThreadPerChannelEventLoop.java
 *
 /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/LocalServerChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/oio/package-info.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelFutureListener.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/oio/AbstractOioMessageChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DatagramPacket.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/Channel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/embedded/EmbeddedEventLoop.java
 *
 /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/embedded/package-info.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/Bootstrap.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/FailedChannelFuture.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/SucceededChannelFuture.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/LocalAddress.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/SingleThreadEventLoop.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/NioTask.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/local/LocalChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/MultithreadEventLoopGroup.java
 *
 /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/OioSocketChannel.java
 * /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/package-info.java


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* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelOutboundHandler.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/nio/package-info.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DatagramChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/NioEventLoop.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelDuplexHandler.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DatagramChannelConfig.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/package-info.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/package-info.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/FixedRecvByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/embedded/EmbeddedChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/package-info.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelMetadata.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/oio/OioDatagramChannel.java
*
/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/FileRegion.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/RecvByteBufAllocator.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelFuture.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelPipelineException.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/SocketChannelConfig.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/bootstrap/AbstractBootstrap.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AbstractChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/group/ChannelGroupFuture.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/ChannelException.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/DefaultFileRegion.java
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/netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/AbstractServerChannel.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/nio/package-info.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/EventLoopGroup.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/CompleteChannelFuture.java
* /netty-transport-4-1-9-final-redhat-2-sources-jar/io/netty/channel/oio/AbstractOioByteChannel.java

```

1.306 netty-transport-sctp 4.1.9.Final-redhat-1

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Found in path(s):

* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-transport-sctp/pom.xml
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```

Found in path(s):

* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/SctpStandardSocketOptions.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/AbstractNotificationHandler.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpChannelConfig.java
 *
 /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/AssociationChangeNotification.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/PeerAddressChangeNotification.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/SctpChannel.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/SctpServerChannel.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/SendFailedNotification.java
 * /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/nio/NioSctpChannel.java
 *

```

/netty-transport-sctp-4-1-9-final-redhat-2-sources-
jar/com/sun/nio/sctp/UnsupportedOperationException.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/package-info.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/MessageInfo.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpChannel.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/Notification.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpMessage.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/ShutdownNotification.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/HandlerResult.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpServerChannel.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/SctpSocketOption.java
*
/netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/Association.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/com/sun/nio/sctp/NotificationHandler.java
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Found in path(s):

```

* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/nio/package-info.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/oio/package-info.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/oio/OioSctpChannel.java
*
/netty-transport-sctp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/sctp/SctpOutboundByteStreamHandler.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/package-info.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/oio/OioSctpServerChannel.java
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* /netty-transport-sctp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/sctp/package-info.java
* /netty-transport-sctp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/sctp/SctpMessageCompletionHandler.java
*
/netty-transport-sctp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java
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* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/DefaultSctpServerChannelConfig.java
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```

* /netty-transport-sctp-4-1-9-final-redhat-2-sources-jar/io/netty/channel/sctp/SctpChannelOption.java

```

1.307 netty-transport-udt 4.1.9.Final-redhat-1

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```

* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/UdtServerChannelConfig.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/UdtChannelOption.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/DefaultUdtServerChannelConfig.java

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Found in path(s):

```

* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/UdtChannelConfig.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/nio/package-info.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/DefaultUdtChannelConfig.java
*
/netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/package-info.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/UdtMessage.java
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* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-transport-udt/pom.xml

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```
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/UdtChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java
*
/netty-transport-udt-4-1-9-final-redhat-2-sources-
jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-
jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-
jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java
* /netty-transport-udt-4-1-9-final-redhat-2-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java
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1.308 netty-codec-xml 4.1.9.Final-redhat-1

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* /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlContent.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlDocumentStart.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlElementStart.java
 *
 /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlComment.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/package-info.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlDecoder.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlElement.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlElementEnd.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlNamespace.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlSpace.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlDTD.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlDocumentEnd.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlEntityReference.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlAttribute.java
 *
 /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlProcessingInstruction.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlCharacters.java
 * /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlCdata.java

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* /netty-codec-xml-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-codec-xml/pom.xml

1.309 wildfly-client-config 1.0.0.Final-redhat-1

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Manifest-Version: 1.0

Bundle-License: <http://repository.jboss.org/licenses/apache-2.0.txt>

Bundle-SymbolicName: org.wildfly.client.wildfly-client-config

Built-By: mockbuild

Bnd-LastModified: 1503174037836

Specification-Title: WildFly Client Configuration

Implementation-Vendor-Id: org.wildfly.client

Bundle-DocURL: <http://www.jboss.org>

Import-Package: javax.xml.namespace,javax.xml.stream,org.jboss.logging;
version="[3.3,4)",org.wildfly.common.expression;version="[1.2,2)",or
g.wildfly.common.function;version="[1.2,2)",org.wildfly.common.net;ve
rsion="[1.2,2)"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Scm-Url: <http://github.com/jboss/jboss-parent-pom/wildfly-client-config>

Export-Package: org.wildfly.client.config;version="1.0.0.Final-redhat-1";
uses="javax.xml.stream,org.wildfly.common.expression,org.wildfly.
common.function,org.wildfly.common.net"

Bundle-Name: WildFly Client Configuration

Implementation-Title:

WildFly Client Configuration

Bundle-Description: Library for supporting WildFly common client confi
guration

Implementation-Version: 1.0.0.Final-redhat-1

Java-Version: 1.8.0_141

Scm-Connection: scm:git:git@github.com:jboss/jboss-parent-pom.git/wild
fly-client-config

Specification-Vendor: JBoss by Red Hat

Os-Arch: amd64

Bundle-ManifestVersion: 2

Java-Vendor: Oracle Corporation

Bundle-Vendor: JBoss by Red Hat

Os-Name: Linux

Tool: Bnd-3.3.0.201609221906

Implementation-Vendor: JBoss by Red Hat
Os-Version: 2.6.32-696.6.3.el6.x86_64
Scm-Revision: a58abad549fd2fdd07efc7b71f29589d9ff23f59
Bundle-Version: 1.0.0.Final-redhat-1
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_141
Specification-Version: 1.0.0.Final-redhat-1
Implementation-URL: <http://www.jboss.org/wildfly-client-config>

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1.310 undertow-core 1.4.18.SP8-redhat-1

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```
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* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/DefaultPongMessage.java
*
 /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/handshake/ExchangeHandshakeResponse.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/Encoding.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/annotated/EmptyEndpointConfig.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/WebsocketClientSslProvider.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/EncodingFactory.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/DefaultWebSocketClientSslProvider.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/FrameHandler.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
```

```

jar/io/undertow/websockets/jsr/ConfiguredClientEndpoint.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/UndertowSession.java
*
/undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/annotated/BoundParameter.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/WebSocketReconnectHandler.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/ServerWebSocketContainer.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/handshake/ExchangeHandshakeRequest.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/SendResultFuture.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/handshake/JsrHybi13Handshake.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/WebSocketDeploymentInfo.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/JsrWebSocketProtocolHandshakeHandler.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/annotated/AnnotatedEndpointFactory.java
*
/undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/WebSocketSessionRemoteEndpoint.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/annotated/BoundMethod.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/handshake/JsrHybi08Handshake.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/annotated/AnnotatedEndpoint.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/handshake/JsrHybi07Handshake.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/osgi/Activator.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/JsrWebSocketLogger.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/ExtensionImpl.java
*
/undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/util/ClassUtils.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/handshake/HandshakeUtil.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/UndertowContainerProvider.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/annotated/DecoderUtils.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/JsrWebSocketFilter.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/JsrWebSocketMessages.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/SessionContainer.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/SendHandlerAdapter.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-

```

```

jar/io/undertow/websockets/jsr/ServerEndpointConfigImpl.java
*
/undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/Bootstrap.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/EndpointSessionHandler.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/ConfiguredServerEndpoint.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-
jar/io/undertow/websockets/jsr/DefaultContainerConfigurator.java
* /undertow-websockets-jsr-1-4-18-sp8-redhat-1-sources-jar/io/undertow/websockets/jsr/OrderedExecutor.java

```

1.311 netty-codec-smtp 4.1.9.Final-redhat-1

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```

* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpRequest.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpRequestEncoder.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpRequest.java
*
/netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpResponse.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/package-info.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpContent.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpRequests.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpUtils.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/SmtpCommand.java

```

*

/netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/smtp/LastSmtpContent.java

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* /netty-codec-smtp-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-codec-smtp/pom.xml

1.312 artemis-jms-client 1.5.5.013-redhat-1

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1.313 netty-codec-stomp 4.1.9.Final-redhat-1

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* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeaders.java

```

* /netty-codec-stomp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/stomp/DefaultLastStompContentSubframe.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompContentSubframe.java
*
/netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompHeaders.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompSubframeAggregator.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/stomp/DefaultStompHeadersSubframe.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompConstants.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/package-info.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/DefaultStompFrame.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompHeadersSubframe.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/stomp/DefaultStompContentSubframe.java
*
/netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompSubframe.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompCommand.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompSubframeDecoder.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/stomp/StompFrame.java
* /netty-codec-stomp-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/stomp/LastStompContentSubframe.java

```

1.314 jgroups 3.6.14.Final-redhat-1

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1.315 netty-resolver 4.1.9.Final-redhat-1

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* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java

*

/netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/DefaultNameResolver.java

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/AddressResolver.java

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/HostsFileParser.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/InetSocketAddressResolver.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/CompositeNameResolver.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/InetNameResolver.java

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Found in path(s):

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/META-INF/maven/io.netty/netty-resolver/pom.xml

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Found in path(s):

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/NameResolver.java

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/AddressResolverGroup.java

* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java

*

/netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/SimpleNameResolver.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/package-info.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/NoopAddressResolver.java
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* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/RoundRobinInetAddressResolver.java
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* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/HostsFileEntries.java
* /netty-resolver-4-1-9-final-redhat-2-sources-jar/io/netty/resolver/ResolvedAddressTypes.java

1.316 wildfly-http-naming-client 1.0.9.Final-redhat-1

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```
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-jar/META-INF/services/org.wildfly.naming.client.NamingProviderFactory
* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-jar/META-INF/services/org.wildfly.naming.client.NamingContextFactory
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* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpNamingEjbObjectResolverHelper.java

* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpNamingProviderFactory.java

*

/wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpRemoteContext.java

* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpNamingContextFactory.java

* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-jar/org/wildfly/httpclient/naming/HttpRootContext.java

* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpNamingClientMessages.java

* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpNamingProvider.java

* /wildfly-http-naming-client-1-0-9-final-redhat-1-sources-1-

jar/org/wildfly/httpclient/naming/HttpRemoteNamingService.java

1.317 netty-codec 4.1.9.Final-redhat-1

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* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/XmlFrameDecoder.java

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Crc32c.java

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/JdkZlibDecoder.java

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```
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
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- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/Headers.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/EmptyHeaders.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DefaultHeaders.java

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- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/DecompressionException.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/xml/package-info.java

*

/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/string/package-info.java

- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/package-info.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/CompressionException.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java

*

/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DecoderResult.java

- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
- * /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/string/StringDecoder.java
- * /netty-codec-4-1-9-final-redhat-2-sources-

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jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ReplayingDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Snappy.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/bytes/package-info.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/EncoderException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/CodecException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/TooLongFrameException.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
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* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/Delimiters.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DecoderException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/package-info.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/package-info.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/MessageAggregator.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java

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* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/string/StringEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/package-info.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
<p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so

```


* that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *

* <h3>2 bytes length field at offset 0, do not strip header</h3>
 *

* The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.

* <pre>
 * lengthFieldOffset = 0
 * lengthFieldLength = 2
 * lengthAdjustment = 0
 * initialBytesToStrip = 0 (= do not strip header)
 *

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
 * +-----+-----+ +-----+-----+
 * | Length | Actual Content
 * |---->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |
 * +-----+-----+ +-----+-----+
 * </pre>
 *

* <h3>2 bytes length field at offset 0, strip header</h3>
 *

* Because we can get the length of the content by calling
 * {@link ByteBuf#readableBytes()}, you might want to strip the length
 * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
 * specified <tt>2</tt>, that is same with the length of the length field, to
 * strip the first two bytes.

* <pre>
 * lengthFieldOffset = 0
 * lengthFieldLength = 2
 * lengthAdjustment = 0
 * initialBytesToStrip = 2 (= the length of the Length field)
 *

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)
 * +-----+-----+ +-----+
 * | Length | Actual Content |---->| Actual Content |
 * | 0x000C | "HELLO, WORLD" | | "HELLO, WORLD" |
 * +-----+-----+ +-----+
 * </pre>
 *

* <h3>2 bytes length field at offset 0, do not strip header, the length field
 * represents the length of the whole message</h3>
 *

* In most cases, the length field represents the length of the message body
 * only, as shown in the previous examples. However, in some protocols, the
 * length field represents the length of the whole message, including the
 * message header. In such a case, we specify a non-zero
 * `<tt>lengthAdjustment</tt>`. Because the length value in this example message
 * is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
 * as `<tt>lengthAdjustment</tt>` for compensation.

```
*
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Actual Content |----->| Length | Actual
* Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
```

* `<h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>`
 *

* The following message is a simple variation of the first example. An extra
 * header value is prepended to the message. `<tt>lengthAdjustment</tt>` is zero
 * again because the decoder always takes the length of the prepended data into
 * account during frame length calculation.

```
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Header 1 | Length | Actual Content |----->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |      | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
```

* `<h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>`
 *

* This is an advanced example that shows the case where there is an extra
 * header between the length field and the message body. You have to specify a
 * positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra
 * header into the frame length calculation.

```
* <pre>
```

```

* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |    | 0x00000C | 0xCAFE | "HELLO,
WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
the length field already includes the whole header length.
* <pre>

```

```

* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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/*
* Written by Robert Harder and released to the public domain, as explained at
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*/
/**
* Enumeration of supported Base64 dialects.
*
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert
  Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

```

Found in path(s):

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java

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*/

/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* Base64 notation.
*
* <p>
*
* The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
```

* Base64 Encoder/Decoder.

*/

Found in path(s):

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/base64/Base64.java

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* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/ValueConverter.java

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* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DateFormatter.java

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java

```
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/string/LineSeparator.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/string/LineEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
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* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/json/package-info.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
```

```

* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
*
/netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /netty-codec-4-1-9-final-redhat-2-sources-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /netty-codec-4-1-9-final-redhat-2-sources-jar/io/netty/handler/codec/DecoderResultProvider.java

```

1.318 netty-transport-rxtx 4.1.9.Final-redhat-1

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* /netty-transport-rxtx-4-1-9-final-redhat-2-sources-jar/io/netty/channel/rxtx/package-info.java
* /netty-transport-rxtx-4-1-9-final-redhat-2-sources-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java
*
/netty-transport-rxtx-4-1-9-final-redhat-2-sources-jar/io/netty/channel/rxtx/RxtxChannelConfig.java
* /netty-transport-rxtx-4-1-9-final-redhat-2-sources-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java
* /netty-transport-rxtx-4-1-9-final-redhat-2-sources-jar/io/netty/channel/rxtx/RxtxChannel.java

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