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## Contents

- 1.1 apache common IO 2.4**
  - 1.1.1 Available under license
- 1.2 apache commons codec 1.8**
  - 1.2.1 Available under license
- 1.3 Apache Commons Codec 1.3.**
  - 1.3.1 Available under license
- 1.4 Apache Commons Lang 3.1**
  - 1.4.1 Available under license
- 1.5 apache commons math 3.3.2**
  - 1.5.1 Available under license
- 1.6 Apache Http components client 4.2.5**
  - 1.6.1 Available under license
- 1.7 Apache Http components core 4.2.4**
  - 1.7.1 Available under license
- 1.8 Apache httpd 2.4.23 :2.4.23**
  - 1.8.1 Available under license
- 1.9 Apache MINA Core 2.0.3**
  - 1.9.1 Available under license
- 1.10 Apache Tomcat Server 6.0.44 6.0.44**
  - 1.10.1 Available under license
- 1.11 apache-procrun 1.0.15**
  - 1.11.1 Available under license
- 1.12 apr 1.5.1**
  - 1.12.1 Available under license
- 1.13 apr-inconv 1.2.1**
  - 1.13.1 Available under license

- 1.14 apr-util 1.5.4**
  - 1.14.1 Available under license
- 1.15 Castor 0.9.5**
  - 1.15.1 Notifications
  - 1.15.2 Available under license
- 1.16 Commons IO 2.4**
  - 1.16.1 Available under license
- 1.17 commons-lang3 3.1**
  - 1.17.1 Available under license
- 1.18 DBD sqlanywhere 2.08**
  - 1.18.1 Available under license
- 1.19 DBI 1.5.1**
  - 1.19.1 Available under license
- 1.20 dnsjava 2.1.4**
  - 1.20.1 Available under license
- 1.21 dojo mobile 1.9**
  - 1.21.1 Available under license
- 1.22 EhCache 1.5**
  - 1.22.1 Available under license
- 1.23 Geopip api java 1.2.9**
  - 1.23.1 Available under license
- 1.24 Google Protocol Buffers 2.0.3**
  - 1.24.1 Available under license
- 1.25 google-gson 2.2.4**
  - 1.25.1 Available under license
- 1.26 Guava libraries 14.0.1**
  - 1.26.1 Available under license
- 1.27 Hyperic SIGAR 1.6.4**
  - 1.27.1 Available under license
- 1.28 Innovation HTTPClient 0.3-3**
  - 1.28.1 Available under license
- 1.29 itext 1.3.1**
  - 1.29.1 Available under license
- 1.30 Jakarta-ORO 2.0.8**
  - 1.30.1 Notifications
  - 1.30.2 Available under license
- 1.31 java-diff 1.1.0**
  - 1.31.1 Available under license
- 1.32 javabi-sizeof 0.2**

- 1.32.1 Available under license
- 1.33 javax-json 1.0.4**
  - 1.33.1 Available under license
- 1.34 jaxrpc-api 1.1 :0**
  - 1.34.1 Available under license
- 1.35 jdom 1.1.3**
  - 1.35.1 Notifications
  - 1.35.2 Available under license
- 1.36 JFreeChart 1.0.13**
  - 1.36.1 Available under license
- 1.37 JGoodies Forms 1.2.1**
  - 1.37.1 Available under license
- 1.38 JiBX 1.2.3**
  - 1.38.1 Notifications
  - 1.38.2 Available under license
- 1.39 jibx 1.2.5**
  - 1.39.1 Notifications
  - 1.39.2 Available under license
- 1.40 JNetStream 3.0**
  - 1.40.1 Available under license
- 1.41 jsoup 1.7.2**
  - 1.41.1 Available under license
- 1.42 Imax disruptor 3.0.1**
  - 1.42.1 Available under license
- 1.43 logging-log4j 1.2.14**
  - 1.43.1 Available under license
- 1.44 Lucene 2.4.0**
  - 1.44.1 Available under license
- 1.45 mod\_jk 1.2.37**
  - 1.45.1 Available under license
- 1.46 OpenSSL 1.0.2I**
  - 1.46.1 Available under license
- 1.47 pcre 8.34**
  - 1.47.1 Available under license
- 1.48 quartz 1.8.0**
  - 1.48.1 Available under license
- 1.49 Restlet 2.0.7**
  - 1.49.1 Available under license
- 1.50 slf4j 1.7.5**

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- 1.51 slf4j 1.5.2**
  - 1.51.1 Available under license
- 1.52 Spring 2.5.5**
  - 1.52.1 Available under license
- 1.53 velocity-dep 1.3.1**
  - 1.53.1 Notifications
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- 1.54 XStream 1.4.1**
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\*/

package org.apache.commons.codec;

/\*\*

\* Defines common decoding methods for byte array decoders.

\*

\* @author Apache Software Foundation

\* @version \$Id: BinaryDecoder.java,v 1.10 2004/06/15 18:14:15 ggregory Exp \$

\*/

public interface BinaryDecoder extends Decoder {

/\*\*

\* Decodes a byte array and returns the results as a byte array.

```

*
* @param pArray A byte array which has been encoded with the
*   appropriate encoder
*
* @return a byte array that contains decoded content
*
* @throws DecoderException A decoder exception is thrown
*   if a Decoder encounters a failure condition during
*   the decode process.
*/
byte[] decode(byte[] pArray) throws DecoderException;
}

```

The commons-codec team is pleased to announce the Codec 1.3 release!

<http://jakarta.apache.org/commons/codec/>

The codec package contains simple encoder and decoders for various formats such as Base64 and Hexadecimal. In addition to these widely used encoders and decoders, the codec package also maintains a collection of phonetic encoding utilities.

Changes in this version include:

#### New Features:

- o BinaryCodec: Encodes and decodes binary to and from Strings of 0s and 1s. Issue: 27813. Thanks to Alex Karasulu.
- o QuotedPrintableCodec: Codec for RFC 1521 MIME (Multipurpose Internet Mail Extensions) Part One. Rules #3, #4, and #5 of the quoted-printable spec are not implemented yet. See also issue 27789. Issue: 26617. Thanks to Oleg Kalnichevski.
- o BCodec: Identical to the Base64 encoding defined by RFC 1521 and allows a character set to be specified. Issue: 26617. Thanks to Oleg Kalnichevski.
- o QCodec: Similar to the Quoted-Printable content-transfer-encoding defined in RFC 1521 and designed to allow text containing mostly ASCII characters to be decipherable on an ASCII terminal without decoding. Issue: 26617. Thanks to Oleg Kalnichevski.
- o Soundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.
- o RefinedSoundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.

#### Fixed bugs:

- o The default URL encoding logic was broken. Issue: 25995. Thanks to Oleg Kalnichevski.
- o Base64 chunked encoding not compliant with RFC 2045 section 2.1 CRLF.

Issue: 27781. Thanks to Gary D. Gregory.

o Hex converts illegal characters to 255. Issue: 28455.

o Metaphone now correctly handles a silent B in a word that ends in MB.

"COMB" is encoded as "KM", before this fix "COMB" was encoded as "KMB".

Issue: 28457.

o Added missing tags in Javadoc comments.

o General Javadoc improvements.

Changes:

o This version is released under the Apache License 2.0 , please see

LICENSE.txt. Previous versions were released under the Apache License 1.1.

o The Board recommendation to remove Javadoc author tags has been implemented. All author tags are now "Apache Software Foundation".

Have fun!

-The commons-codec team

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# 1.5 apache commons math 3.3.2



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=====  
The inverse error function implementation in the Erf class is based on CUDA  
code developed by Mike Giles, Oxford-Man Institute of Quantitative Finance,  
and published in GPU Computing Gems, volume 2, 2010.

=====  
The BracketFinder (package org.apache.commons.math3.optimization.univariate)  
and PowellOptimizer (package org.apache.commons.math3.optimization.general)  
classes are based on the Python code in module "optimize.py" (version 0.5)  
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The creation of the package "o.a.c.m.analysis.integration.gauss" was inspired by an original code donated by Sébastien Brisard.

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X
    -->
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<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet" type="text/css" href="/style/css/prettify.css" />
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

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href="/sitemap.html">Sitemap</a></p>
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</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org">Apache</a> > <a href="http://httpd.apache.org">HTTP Server</a> > <a
href="http://httpd.apache.org/docs/">Documentation</a> > <a href="/">Version 2.4</a></div><div id="page-
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<div class="toplang">
<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;&nbsp;</a></p>
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</div>

</div>

<div class="bottomlang">

<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>

</div><div class="top"><a href="#page-header"></a></div><div

class="section"><h2><a id="comments\_section" name="comments\_section">Comments</a></h2><div

class="warning"><strong>Notice:</strong><br />This is not a Q&A section. Comments placed here should be

pointed towards suggestions on improving the documentation or server, and may be removed again by our

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href="http://httpd.apache.org/lists.html">mailing lists</a></div>

<script type="text/javascript"><!--><![CDATA[//><!--

var comments\_shortname = 'httpd';

var comments\_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() == "httpd.apache.org") {

d.write('<div id="comments\_thread"></div>');

var s = d.createElement('script');

s.type = 'text/javascript';

s.async = true;

s.src = 'https://comments.apache.org/show\_comments.lua?site=' + comments\_shortname + '&page=' +

```

comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
}
else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
}
})(window, document);
//--><![></script></div><div id="footer">
<p class="apache">Copyright 2016 The Apache Software Foundation.<br />Licensed under the <a
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--<!--><![CDATA[<!--<!--
if (typeof(prettyPrint) !== 'undefined') {
    prettyPrint();
}
--><![></script>
</body></html>

```

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```

```
* -----  
*  
*/
```

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```
/*  
* NCSA HTTPd Server  
* Software Development Group  
* National Center for Supercomputing Applications  
* University of Illinois at Urbana-Champaign  
* 605 E. Springfield, Champaign, IL 61820  
* httpd@ncsa.uiuc.edu  
*  
* Copyright (C) 1995, Board of Trustees of the University of Illinois  
*  
*****  
*  
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*  
*/
```

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```
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```
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=====
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

\*/

For the expat xml parser component:

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- javaee\_5.xsd
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- javaee\_web\_services\_1\_2.xsd

- javaee\_web\_services\_client\_1\_2.xsd

may be obtained from <http://java.sun.com/xml/ns/javaee/>

# 1.11 apache-procrun 1.0.15

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```
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- ```
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```

From dso/aix/dso.c:

- ```
* Based on libdl (dlfcn.c/dlfcn.h) which is
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```

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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From strings/apr\_snprintf.c:

- \*
- \* cvt - IEEE floating point formatting routines.
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```
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## 1.22 EhCache 1.5

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## 1.29 itext 1.3.1

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## 1.34 jaxrpc-api 1.1 :0

### 1.34.1 Available under license :

Summary: jaxrpc-api

Name: jaxrpc-api

Version: 1.1

Release: 0

License: CDDL 1.0

Group: Libraries/Java

Source: /users/sahuero/sandbox/SOURCES/jboss-jaxrpc-api\_1.1\_spec-1.0.1.Final-sources.jar

URL: <https://svn.java.net/svn/jax-rpc-svn>

Vendor: Oracle America Inc

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## 1.43 logging-log4j 1.2.14

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## 1.45 mod\_jk 1.2.37

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Written by: Philip Hazel  
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Version 2.1, February 1999

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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

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