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## Contents

- 1.1 abego TreeLayout Core 1.0.1**
  - 1.1.1 Available under license
- 1.2 Activation 1.1**
  - 1.2.1 Available under license
- 1.3 amqp-client 3.4.2**
  - 1.3.1 Available under license
- 1.4 annotations 2.0.1**
  - 1.4.1 Available under license
- 1.5 aopalliance 1.0**
  - 1.5.1 Available under license
- 1.6 Apache Commons Beanutils 1.8.2**
  - 1.6.1 Available under license
- 1.7 Apache Commons Lib Apache 2.0**
  - 1.7.1 Available under license
- 1.8 Apache Jakarta Commons HttpClient 3.1**
  - 1.8.1 Available under license
- 1.9 Apache Log4j 1.2.16**
  - 1.9.1 Available under license
- 1.10 Apache Xerces 2.6.2.**
  - 1.10.1 Notifications
  - 1.10.2 Available under license
- 1.11 apache-log4j 1.2.15**
  - 1.11.1 Available under license
- 1.12 apache-log4j 1.2.15 :DUPLICATE**
  - 1.12.1 Available under license
- 1.13 args4j 2.0.12**

- 1.13.1 Available under license
- 1.14 async-http-servlet-3.0 2.2.0.GA**
  - 1.14.1 Available under license
- 1.15 bcprov-jdk16 1.36**
  - 1.15.1 Available under license
- 1.16 clojure 1.5.1**
  - 1.16.1 Available under license
- 1.17 cloning 1.7.9**
  - 1.17.1 Available under license
- 1.18 com.sun.el 2.2.0.v201108011116**
  - 1.18.1 Available under license
- 1.19 Commons BeanUtils 1.8.2**
  - 1.19.1 Available under license
- 1.20 Commons Codec 1.6**
  - 1.20.1 Available under license
- 1.21 Commons Compress 1.5**
  - 1.21.1 Available under license
- 1.22 Commons DBCP 1.2.2**
  - 1.22.1 Available under license
- 1.23 Commons fileupload 1.2.1**
  - 1.23.1 Available under license
- 1.24 Commons Lang 2.4**
  - 1.24.1 Available under license
- 1.25 Commons Logging 1.1.1**
  - 1.25.1 Available under license
- 1.26 commons-codec 1.6**
  - 1.26.1 Available under license
- 1.27 commons-codec 1.3**
  - 1.27.1 Available under license
- 1.28 commons-codec-1.6 1.6**
  - 1.28.1 Available under license
- 1.29 commons-collections 3.2.1**
  - 1.29.1 Available under license
- 1.30 commons-collections 3.2.1**
  - 1.30.1 Available under license
- 1.31 commons-configuration 1.7**
  - 1.31.1 Available under license
- 1.32 commons-digester 1.8.1**
  - 1.32.1 Available under license

- 1.33 commons-io 2.1**
  - 1.33.1 Available under license
- 1.34 commons-lang 2.6**
  - 1.34.1 Available under license
- 1.35 commons-lang3 3.1**
  - 1.35.1 Available under license
- 1.36 commons-lang3 3.1**
  - 1.36.1 Available under license
- 1.37 commons-logging 1.1.3**
  - 1.37.1 Available under license
- 1.38 commons-logging-api 1.0.4**
  - 1.38.1 Available under license
- 1.39 CONCISE 2.2**
  - 1.39.1 Available under license
- 1.40 couchbase-client 1.3.2**
- 1.41 Crazybob - DebuggingObjectOutputStream 1.0**
  - 1.41.1 Available under license
- 1.42 DataStax Java Driver for Apache Cassandra - Core 2.1.5**
  - 1.42.1 Available under license
- 1.43 DataStax Java Driver for Apache Cassandra - DataStax Enterprise Module 2.1.5**
  - 1.43.1 Available under license
- 1.44 distDES 0.1.0**
  - 1.44.1 Available under license
- 1.45 DOM 20001113**
  - 1.45.1 Available under license
- 1.46 dom4j 1.6.1**
  - 1.46.1 Available under license
- 1.47 dom4j 1.6.1**
  - 1.47.1 Available under license
- 1.48 EasyMock 3.3.1**
  - 1.48.1 Available under license
- 1.49 EasyMock 2.4**
  - 1.49.1 Available under license
- 1.50 EasyMock class extension 3.1**
  - 1.50.1 Available under license
- 1.51 ehcache-core 2.6.0**
  - 1.51.1 Available under license
- 1.52 ehcache-core 2.6.2**

- 1.52.1 Available under license
- 1.53 elasticsearch 1.7.1**
  - 1.53.1 Available under license
- 1.54 FindBugs-Annotations 2.0.1**
  - 1.54.1 Available under license
- 1.55 glassfish-javamail 1.4.1 :201005082020**
  - 1.55.1 Available under license
- 1.56 Guava 13.0.1**
  - 1.56.1 Available under license
- 1.57 guava 13.0.1**
  - 1.57.1 Available under license
- 1.58 Guava: Google Core Libraries for Java 16.0.1**
  - 1.58.1 Available under license
- 1.59 hamcrest-core 1.3**
  - 1.59.1 Available under license
- 1.60 httpclient 4.2.3**
  - 1.60.1 Available under license
- 1.61 httpclient 4.3.6**
  - 1.61.1 Available under license
- 1.62 httpclient-4.2.3.jar 4.2.3**
  - 1.62.1 Available under license
- 1.63 HttpClient 4.3**
  - 1.63.1 Available under license
- 1.64 HttpClient 4.3.3**
  - 1.64.1 Available under license
- 1.65 httpcore-4.3.jar 4.3**
  - 1.65.1 Available under license
- 1.66 i18nlog 1.0.9**
  - 1.66.1 Available under license
- 1.67 ICU4J 2.6.1**
  - 1.67.1 Available under license
- 1.68 icu4j 49.1**
  - 1.68.1 Available under license
- 1.69 jakarta-regexp-1.4.jar 1.4**
  - 1.69.1 Available under license
- 1.70 javaparser 1.0.8**
  - 1.70.1 Available under license
- 1.71 Javassist 3.12.1.GA**
  - 1.71.1 Available under license

- 1.72 Javassist 3.12.1.GA**
  - 1.72.1 Available under license
- 1.73 Javassist 3.12.1.GA**
  - 1.73.1 Available under license
- 1.74 javax.activation 1.1.0 v201105071233**
  - 1.74.1 Available under license
- 1.75 javax.annotation 1.1.0 v201108011116**
  - 1.75.1 Available under license
- 1.76 javax.el 2.2.0.v201108011116**
  - 1.76.1 Available under license
- 1.77 javax.security.auth.message 1.0.0.v201108011116**
  - 1.77.1 Available under license
- 1.78 javax.servlet 3.0.0.v201112011016**
  - 1.78.1 Available under license
- 1.79 javax.servlet 3.0.0.v201112011016**
  - 1.79.1 Available under license
- 1.80 javax.servlet 3.0.0.v201112011016**
  - 1.80.1 Available under license
- 1.81 javax.servlet.jsp 2.2.0.v201112011158**
  - 1.81.1 Available under license
- 1.82 javax.servlet.jsp.jstl 1.2.0.v201105211821**
  - 1.82.1 Available under license
- 1.83 javax.transaction 1.1.1v201105210645**
  - 1.83.1 Available under license
- 1.84 javax.transaction 1.1.1 :v201105210645**
  - 1.84.1 Available under license
- 1.85 jaxb-impl 2.1.12**
  - 1.85.1 Available under license
- 1.86 jaxb2-basics 0.6.4**
  - 1.86.1 Available under license
- 1.87 jaxb2-basics-runtime 0.6.4**
  - 1.87.1 Available under license
- 1.88 jaxb2-basics-tools 0.6.4**
  - 1.88.1 Available under license
- 1.89 jaxen 1.1.1**
  - 1.89.1 Available under license
- 1.90 jaxrs-api 2.2.0.GA**
  - 1.90.1 Available under license
- 1.91 JBOSS DNA 0.7**

- 1.91.1 Available under license
- 1.92 jcip-annotations 1.0**
  - 1.92.1 Available under license
- 1.93 JCL 1.1.1 implemented over SLF4J 1.7.12**
  - 1.93.1 Available under license
- 1.94 JDOM 1.0**
  - 1.94.1 Notifications
  - 1.94.2 Available under license
- 1.95 jdom 2.0.2**
  - 1.95.1 Notifications
  - 1.95.2 Available under license
- 1.96 jettison 1.2**
  - 1.96.1 Available under license
- 1.97 jettison 1.3.2**
  - 1.97.1 Available under license
- 1.98 Jetty :: Continuation 8.1.15.v20140411**
  - 1.98.1 Available under license
- 1.99 Jetty :: Http Utility 8.1.15.v20140411**
  - 1.99.1 Available under license
- 1.100 Jetty :: IO Utility 8.1.15.v20140411**
  - 1.100.1 Available under license
- 1.101 Jetty :: Security 8.1.15.v20140411**
  - 1.101.1 Available under license
- 1.102 Jetty :: Server Core 8.1.15.v20140411**
  - 1.102.1 Available under license
- 1.103 Jetty :: Utilities 8.1.15.v20140411**
  - 1.103.1 Available under license
- 1.104 jetty continuation 8.1.7.v20120910**
  - 1.104.1 Available under license
- 1.105 jetty util 8.1.15.v20140411**
  - 1.105.1 Available under license
- 1.106 jetty webapp 8.1.15.v20140411**
  - 1.106.1 Available under license
- 1.107 jetty-ajp 8.1.14.v20131031**
  - 1.107.1 Available under license
- 1.108 jetty-all-javadoc 8.1.14.v20131031**
  - 1.108.1 Available under license
- 1.109 jetty-annotations 8.1.7 :v20120910**
  - 1.109.1 Available under license

- 1.110 jetty-annotations 8.1.15.v20140411**
  - 1.110.1 Available under license
- 1.111 jetty-annotations 8.1.14.v20131031**
  - 1.111.1 Available under license
- 1.112 jetty-client 9.2.7.v20150116**
- 1.113 jetty-client 8.1.7 :v20120910**
  - 1.113.1 Available under license
- 1.114 jetty-client 8.1.15.v20140411**
  - 1.114.1 Available under license
- 1.115 jetty-continuation 8.1.14.v20131031**
  - 1.115.1 Available under license
- 1.116 jetty-continuation 8.1.7.v20120910**
  - 1.116.1 Available under license
- 1.117 jetty-deploy 8.1.14.v20131031**
  - 1.117.1 Available under license
- 1.118 jetty-eventsource-servlet 1.0.0**
  - 1.118.1 Available under license
- 1.119 jetty-http 8.1.14.v20131031**
  - 1.119.1 Available under license
- 1.120 jetty-io 8.1.14.v20131031**
  - 1.120.1 Available under license
- 1.121 jetty-jmx 8.1.14.v20131031**
  - 1.121.1 Available under license
- 1.122 jetty-jndi 8.1.14.v20131031**
  - 1.122.1 Available under license
- 1.123 jetty-jndi 8.1.15.v20140411**
  - 1.123.1 Available under license
- 1.124 jetty-jsp 8.1.14.v20131031**
  - 1.124.1 Available under license
- 1.125 jetty-monitor 8.1.14.v20131031**
  - 1.125.1 Available under license
- 1.126 jetty-overlay-deployer 8.1.14.v20131031**
  - 1.126.1 Available under license
- 1.127 jetty-plus 8.1.15.v20140411**
  - 1.127.1 Available under license
- 1.128 jetty-plus 8.1.14.v20131031**
  - 1.128.1 Available under license
- 1.129 jetty-policy 8.1.14.v20131031**
  - 1.129.1 Available under license



- 1.130 jetty-rewrite 9.2.7.v20150116**
- 1.131 jetty-security 8.1.15.v20140411**
  - 1.131.1 Available under license
- 1.132 jetty-security 8.1.14.v20131031**
  - 1.132.1 Available under license
- 1.133 jetty-server 8.1.7 :v20120910**
  - 1.133.1 Available under license
- 1.134 jetty-server 8.1.14.v20131031**
  - 1.134.1 Available under license
- 1.135 jetty-servlet 8.1.14.v20131031**
  - 1.135.1 Available under license
- 1.136 jetty-servlet 8.1.7.v20120910**
  - 1.136.1 Available under license
- 1.137 jetty-servlet 8.1.15.v20140411**
  - 1.137.1 Available under license
- 1.138 jetty-servlets 8.1.15.v20140411**
  - 1.138.1 Available under license
- 1.139 jetty-servlets 8.1.7 :v20120910**
  - 1.139.1 Available under license
- 1.140 jetty-servlets 8.1.14.v20131031**
  - 1.140.1 Available under license
- 1.141 jetty-start 8.1.14.v20131031**
  - 1.141.1 Available under license
- 1.142 jetty-util 8.1.14.v20131031**
  - 1.142.1 Available under license
- 1.143 jetty-util 8.1.15.v20140411**
  - 1.143.1 Available under license
- 1.144 jetty-webapp 8.1.7 :v20120910**
  - 1.144.1 Available under license
- 1.145 jetty-webapp 8.1.14.v20131031**
  - 1.145.1 Available under license
- 1.146 jetty-webapp 8.1.15.v20140411**
  - 1.146.1 Available under license
- 1.147 jetty-websocket 8.1.14.v20131031**
  - 1.147.1 Available under license
- 1.148 jetty-xml 8.1.15.v20140411**
  - 1.148.1 Available under license
- 1.149 jetty-xml 8.1.14.v20131031**
  - 1.149.1 Available under license

- 1.150 jfreechart 1.0.13**
  - 1.150.1 Available under license
- 1.151 Joda Time 2.1**
  - 1.151.1 Available under license
- 1.152 joda-time 2.1**
  - 1.152.1 Available under license
- 1.153 joda-time 2.2**
  - 1.153.1 Available under license
- 1.154 Jopt Simple 4.3**
  - 1.154.1 Available under license
- 1.155 json 20140107**
  - 1.155.1 Available under license
- 1.156 jsr250-api 1.0**
  - 1.156.1 Available under license
- 1.157 junit 4.11**
  - 1.157.1 Available under license
- 1.158 Junit 4.8.2**
  - 1.158.1 Available under license
- 1.159 log4j 1.2.16**
  - 1.159.1 Available under license
- 1.160 log4j 1.2.17**
  - 1.160.1 Available under license
- 1.161 Log4j 1.2.16**
  - 1.161.1 Available under license
- 1.162 Lucene Grouping 4.10.4**
  - 1.162.1 Available under license
- 1.163 Lucene Queries 4.10.4**
  - 1.163.1 Available under license
- 1.164 lucene-analyzers-common 4.10.4**
  - 1.164.1 Available under license
- 1.165 lucene-analyzers-common 4.5.0**
  - 1.165.1 Available under license
- 1.166 lucene-analyzers-icu 4.10.4**
  - 1.166.1 Available under license
- 1.167 lucene-analyzers-icu 4.5.0**
  - 1.167.1 Available under license
- 1.168 lucene-core 4.10.4**
  - 1.168.1 Available under license
- 1.169 lucene-core 4.5.0**

- 1.169.1 Available under license
- 1.170 lucene-grouping 4.5.0**
  - 1.170.1 Available under license
- 1.171 lucene-queries 4.5.0**
  - 1.171.1 Available under license
- 1.172 lucene-queryparser 4.5.0**
  - 1.172.1 Available under license
- 1.173 lucene-queryparser 4.10.4**
  - 1.173.1 Available under license
- 1.174 lucene-queryparser 4.10.2**
  - 1.174.1 Available under license
- 1.175 lucene-sandbox 4.5.0**
  - 1.175.1 Available under license
- 1.176 Metrics Core 3.0.2**
  - 1.176.1 Available under license
- 1.177 mockito-all 1.9.5**
  - 1.177.1 Available under license
- 1.178 mockito-all 1.9.0**
  - 1.178.1 Available under license
- 1.179 MXP1: Xml Pull Parser 3rd Edition (XPP3) 1.1.4c**
  - 1.179.1 Notifications
  - 1.179.2 Available under license
- 1.180 Netty 3.2.4**
  - 1.180.1 Available under license
- 1.181 Object-Sampler 0.0.1**
  - 1.181.1 Available under license
- 1.182 Objenesis 1.2**
  - 1.182.1 Available under license
- 1.183 ognl 2.6.9**
  - 1.183.1 Available under license
- 1.184 opencsv 2.3**
  - 1.184.1 Available under license
- 1.185 org.apache.jasper.glassfish 2.2.2.v201112011158**
  - 1.185.1 Available under license
- 1.186 org.apache.taglibs.standard.glassfish 1.2.0.v201112081803**
  - 1.186.1 Available under license
- 1.187 org.eclipse.jdt.core 3.7.1.v\_B76\_R37x**
  - 1.187.1 Available under license
- 1.188 org.objectweb.asm 3.1.0 v200803061910**

- 1.188.1 Available under license
- 1.189 org.objectweb.asm - Various EPL bits 3.1.0 v200803061910**
- 1.189.1 Available under license
- 1.190 reflections 0.9.8**
- 1.190.1 Available under license
- 1.191 resteasy-jaxb-provider 2.2.0.GA**
- 1.191.1 Available under license
- 1.192 resteasy-jaxrs 2.2.0.GA**
- 1.192.1 Available under license
- 1.193 resteasy-jettison-provider 2.2.0.GA**
- 1.193.1 Available under license
- 1.194 resteasy-spring 2.2.0.GA**
- 1.194.1 Available under license
- 1.195 ring-core 1.1.7**
- 1.195.1 Available under license
- 1.196 scannotation 1.0.3**
- 1.196.1 Available under license
- 1.197 serializer 2.7.1**
- 1.197.1 Available under license
- 1.198 serializer 2.7.1**
- 1.198.1 Available under license
- 1.199 Simple Logging Facade for Java (SLF4J) 1.7.2**
- 1.199.1 Available under license
- 1.200 sjsxp 1.0.1**
- 1.200.1 Available under license
- 1.201 slf4j 1.7.5**
- 1.201.1 Available under license
- 1.202 slf4j-api 1.7.5**
- 1.202.1 Available under license
- 1.203 slf4j-api 1.7.5**
- 1.204 slf4j-api-1.7.5.jar 1.7.5**
- 1.205 slf4j/ASLv2 1.7.5**
- 1.205.1 Available under license
- 1.206 snappy 0.3**
- 1.206.1 Available under license
- 1.207 Spring Beans 3.2.3.RELEASE**
- 1.207.1 Available under license
- 1.208 Spring Context 3.2.1.RELEASE**
- 1.208.1 Available under license

- 1.209 Spring Context 3.2.3.RELEASE**
  - 1.209.1 Available under license
- 1.210 Spring Context Support 4.0.7.RELEASE**
  - 1.210.1 Available under license
- 1.211 Spring Core 3.2.3.RELEASE**
  - 1.211.1 Available under license
- 1.212 Spring CQL 1.2.2.RELEASE**
  - 1.212.1 Available under license
- 1.213 Spring Data Cassandra - Core 1.2.2.RELEASE**
  - 1.213.1 Available under license
- 1.214 Spring Data Core 1.10.2.RELEASE**
  - 1.214.1 Available under license
- 1.215 Spring Framework 2.0.7**
  - 1.215.1 Available under license
- 1.216 spring jdbc 4.0.7.RELEASE**
- 1.217 Spring Transaction 4.0.9.RELEASE**
  - 1.217.1 Available under license
- 1.218 Spring Web MVC 3.2.3.RELEASE**
  - 1.218.1 Available under license
- 1.219 spring-amqp 1.4.2.RELEASE**
  - 1.219.1 Available under license
- 1.220 spring-amqp 1.4.1**
  - 1.220.1 Available under license
- 1.221 Spring-aop 4.0.7.RELEASE**
  - 1.221.1 Available under license
- 1.222 spring-aop 3.2.1.RELEASE**
  - 1.222.1 Available under license
- 1.223 spring-asm 3.0.3.RELEASE**
  - 1.223.1 Available under license
- 1.224 spring-beans 3.2.1.RELEASE**
  - 1.224.1 Available under license
- 1.225 spring-beans 4.0.7.RELEASE**
  - 1.225.1 Available under license
- 1.226 spring-context 3.2.1.RELEASE**
  - 1.226.1 Available under license
- 1.227 spring-context 4.0.7.RELEASE**
  - 1.227.1 Available under license
- 1.228 spring-context 3.2.1**
  - 1.228.1 Available under license

**1.229 spring-context-support 3.2.1.RELEASE**

1.229.1 Available under license

**1.230 spring-core 3.2.1.RELEASE**

1.230.1 Available under license

**1.231 spring-core 4.0.7.RELEASE**

1.231.1 Available under license

**1.232 spring-cql 1.2.0.RELEASE**

1.232.1 Available under license

**1.233 spring-data-cassandra 1.2.0.RELEASE**

1.233.1 Available under license

**1.234 spring-expression 3.2.1.RELEASE**

1.234.1 Available under license

**1.235 spring-expression 4.0.7.RELEASE**

1.235.1 Available under license

**1.236 spring-messaging 4.1.3.RELEASE**

1.236.1 Available under license

**1.237 spring-oxm 4.0.7.RELEASE**

1.237.1 Available under license

**1.238 spring-oxm 3.2.1.RELEASE**

1.238.1 Available under license

**1.239 spring-rabbit 1.4.2.RELEASE**

1.239.1 Available under license

**1.240 spring-retry 1.1.2.RELEASE**

1.240.1 Available under license

**1.241 spring-test 3.2.1.RELEASE**

1.241.1 Available under license

**1.242 spring-test 4.0.7.RELEASE**

**1.243 spring-test 3.2.1.RELEASE**

1.243.1 Available under license

**1.244 spring-tx 4.1.3.RELEASE**

**1.245 spring-web 4.0.7.RELEASE**

**1.246 spring-web 3.2.1.RELEASE**

1.246.1 Available under license

**1.247 spring-webmvc 4.0.7.RELEASE**

**1.248 sqlite-jdbc 3.7.2**

1.248.1 Available under license

**1.249 StAX API 1.0.1**

1.249.1 Available under license

**1.250 stax-api 1.0**

1.250.1 Available under license

**1.251 stringtemplate 4.0.2**

**1.252 The Netty Project 3.9.0.Final**

1.252.1 Available under license

**1.253 treelayout 1.0.1**

1.253.1 Available under license

**1.254 Treelayout Algorithm (Abego) 1.0.1**

1.254.1 Available under license

**1.255 unitils 3.3**

1.255.1 Available under license

**1.256 unitils-core 3.3**

1.256.1 Available under license

**1.257 xalan 2.6.0**

1.257.1 Available under license

**1.258 Xalan 2.7.1**

1.258.1 Available under license

**1.259 xalan 2.7.1**

1.259.1 Available under license

**1.260 Xalan Java Serializer 2.7.1**

1.260.1 Available under license

**1.261 xercesImpl 2.9.1**

1.261.1 Available under license

**1.262 XML Commons External Components XML APIs 1.3.04**

1.262.1 Available under license

**1.263 xml-apis 1.3.04**

1.263.1 Available under license

**1.264 xml-apis 1.3.04**

1.264.1 Available under license

**1.265 xml-apis 1.3.04**

1.265.1 Available under license

**1.266 xmlParserAPIs (Xerces-J) 2.6.2**

1.266.1 Available under license

**1.267 XMLUnit for Java 1.1**

1.267.1 Available under license

**1.268 xom 1.0**

1.268.1 Available under license

**1.269 XPP - XML Pull Parser 1.1.3.1**

1.269.1 Notifications

1.269.2 Available under license

## **1.270 XPP - XML Pull Parser\_LGPLv2.1 1.1.3.1**

1.270.1 Available under license

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# 1.5 aopalliance 1.0

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## 1.52 ehcache-core 2.6.2

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## 1.53 elasticsearch 1.7.1

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# 1.54 FindBugs-Annotations 2.0.1

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## 1.59 hamcrest-core 1.3

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## 1.116 jetty-continuation 8.1.7.v20120910

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```
package org.eclipse.jetty.continuation;
```

```
import javax.servlet.Filter;  
import javax.servlet.FilterChain;  
import javax.servlet.Servlet;  
import javax.servlet.ServletException;  
import javax.servlet.ServletRequest;  
import javax.servlet.ServletResponse;
```

```

import javax.servlet.ServletResponseWrapper;

/* ----- */
/**
 * Continuation.
 *
 * A continuation is a mechanism by which a HTTP Request can be suspended and
 * restarted after a timeout or an asynchronous event has occurred.
 *
 * <p>
 * The continuation mechanism is a portable mechanism that will work
 * asynchronously without additional configuration of all jetty-7,
 * jetty-8 and Servlet 3.0 containers. With the addition of
 * the { @link ContinuationFilter}, the mechanism will also work
 * asynchronously on jetty-6 and non-asynchronously on any
 * servlet 2.5 container.
 *
 * <p>
 * The Continuation API is a simplification of the richer async API
 * provided by the servlet-3.0 and an enhancement of the continuation
 * API that was introduced with jetty-6.
 *
 * </p>
 * <h1>Continuation Usage</h1>
 *
 * <p>
 * A continuation object is obtained for a request by calling the
 * factory method { @link ContinuationSupport#getContinuation(ServletRequest)}.
 * The continuation type returned will depend on the servlet container
 * being used.
 *
 * </p>
 *
 * <p>
 * There are two distinct style of operation of the continuation API.
 *
 * </p>
 * <h3>Suspend/Resume Usage</h3>
 *
 * <p>The suspend/resume style is used when a servlet and/or
 * filter is used to generate the response after a asynchronous wait that is
 * terminated by an asynchronous handler.
 *
 * </p>
 *
 * <pre>
 * <b>Filter/Servlet:</b>
 * // if we need to get asynchronous results
 * Object results = request.getAttribute("results");
 * if (results==null)
 * {
 *     Continuation continuation = ContinuationSupport.getContinuation(request);
 *     continuation.suspend();
 *     myAsyncHandler.register(continuation);
 *     return; // or continuation undispatch();
 * }
 *
 *
 * async wait ...

```

```

*
* <b>Async Handler:</b>
* // when the waited for event happens
* continuation.setAttribute("results",event);
* continuation.resume();
*
* <b>Filter/Servlet:</b>
* // when the request is redispached
* if (results==null)
* {
*   ... // see above
* }
* else
* {
*   response.getOutputStream().write(process(results));
* }
* </pre>
* <h3>Suspend/Complete Usage</h3>
* <p>
* The suspend/complete style is used when an asynchronous handler is used to
* generate the response:
* </p>
* <pre>
* <b>Filter/Servlet:</b>
* // when we want to enter asynchronous mode
* Continuation continuation = ContinuationSupport.getContinuation(request);
* continuation.suspend(response); // response may be wrapped
* myAsyncHandler.register(continuation);
* return; // or continuation.undispatch();
*
* <b>Wrapping Filter:</b>
* // any filter that had wrapped the response should be implemented like:
* try
* {
*   chain.doFilter(request,wrappedResponse);
* }
* finally
* {
*   if (!continuation.isResponseWrapped())
*     wrappedResponse.finish()
*   else
*     continuation.addContinuationListener(myCompleteListener)
* }
*
* async wait ...
*
* <b>Async Handler:</b>
* // when the async event happens

```

```

* continuation.getServletResponse().getOutputStream().write(process(event));
* continuation.complete()
* </pre>
*
* <h1>Continuation Timeout</h1>
* <p>
* If a continuation is suspended, but neither { @link #complete()} or { @link #resume()} is
* called during the period set by { @link #setTimeout(long)}, then the continuation will
* expire and { @link #isExpired()} will return true.
* </p>
* <p>
* When a continuation expires, the { @link ContinuationListener#onTimeout(Continuation)}
* method is called on any { @link ContinuationListener} that has been registered via the
* { @link #addContinuationListener(ContinuationListener)} method. The onTimeout handlers
* may write a response and call { @link #complete()}. If { @link #complete()} is not called,
* then the container will redispach the request as if { @link #resume()} had been called,
* except that { @link #isExpired()} will be true and { @link #isResumed()} will be false.
* </p>
*
* @see ContinuationSupport
* @see ContinuationListener
*
*/
public interface Continuation
{
    public final static String ATTRIBUTE = "org.eclipse.jetty.continuation";

    /* ----- */
    /**
     * Set the continuation timeout.
     *
     * @param timeoutMs
     *     The time in milliseconds to wait before expiring this
     *     continuation after a call to { @link #suspend()} or { @link #suspend(ServletResponse)}.
     *     A timeout of <=0 means the continuation will never expire.
     */
    void setTimeout(long timeoutMs);

    /* ----- */
    /**
     * Suspend the processing of the request and associated
     * { @link ServletResponse}.
     *
     * <p>
     * After this method has been called, the lifecycle of the request will be
     * extended beyond the return to the container from the
     * { @link Servlet#service(ServletRequest, ServletResponse)} method and
     * { @link Filter#doFilter(ServletRequest, ServletResponse, FilterChain)}

```

```

* calls. When a suspended request is returned to the container after
* a dispatch, then the container will not commit the associated response
* (unless an exception other than { @link ContinuationThrowable } is thrown).
* </p>
*
* <p>
* When the thread calling the filter chain and/or servlet has returned to
* the container with a suspended request, the thread is freed for other
* tasks and the request is held until either:
* <ul>
* <li>a call to { @link #resume()}.</li>
* <li>a call to { @link #complete()}.</li>
* <li>the timeout expires.</li>
* </ul>
* <p>
* Typically suspend with no arguments is uses when a call to { @link #resume() }
* is expected. If a call to { @link #complete() } is expected, then the
* { @link #suspend(ServletResponse) } method should be used instead of this method.
* </p>
*
* @exception IllegalStateException
*         If the request cannot be suspended
*/
void suspend();

/* ----- */
/**
* Suspend the processing of the request and associated
* { @link ServletResponse }.
*
* <p>
* After this method has been called, the lifecycle of the request will be
* extended beyond the return to the container from the
* { @link Servlet#service(ServletRequest, ServletResponse) } method and
* { @link Filter#doFilter(ServletRequest, ServletResponse, FilterChain) }
* calls. When a suspended request is returned to the container after
* a dispatch, then the container will not commit the associated response
* (unless an exception other than { @link ContinuationThrowable } is thrown).
* </p>
* <p>
* When the thread calling the filter chain and/or servlet has returned to
* the container with a suspended request, the thread is freed for other
* tasks and the request is held until either:
* <ul>
* <li>a call to { @link #resume()}.</li>
* <li>a call to { @link #complete()}.</li>
* <li>the timeout expires.</li>

```

```

* </ul>
* <p>
* Typically suspend with a response argument is uses when a call to { @link #complete()}
* is expected. If a call to { @link #resume()} is expected, then the
* { @link #suspend()} method should be used instead of this method.
* </p>
* <p>
* Filters that may wrap the response object should check { @link #isResponseWrapped()}
* to decide if they should destroy/finish the wrapper. If { @link #isResponseWrapped()}
* returns true, then the wrapped request has been passed to the asynchronous
* handler and the wrapper should not be destroyed/finished until after a call to
* { @link #complete()} (potentially using a { @link ContinuationListener#onComplete(Continuation)}
* listener).
*
* @param response The response to return via a call to { @link #getServletResponse()}
* @exception IllegalStateException
*         If the request cannot be suspended
*/
void suspend(ServletResponse response);

/* ----- */
/**
* Resume a suspended request.
*
* <p>
* This method can be called by any thread that has been passed a reference
* to a continuation. When called the request is redispached to the
* normal filter chain and servlet processing with { @link #isInitial()} false.
* </p>
* <p>
* If resume is called before a suspended request is returned to the
* container (ie the thread that called { @link #suspend()} is still
* within the filter chain and/or servlet service method), then the resume
* does not take effect until the call to the filter chain and/or servlet
* returns to the container. In this case both { @link #isSuspended()} and
* { @link #isResumed()} return true. Multiple calls to resume are ignored.
* </p>
* <p>
* Typically resume() is used after a call to { @link #suspend()} with
* no arguments. The dispatch after a resume call will use the original
* request and response objects, even if { @link #suspend(ServletResponse)}
* had been passed a wrapped response.
* </p>
*
* @see #suspend()
* @exception IllegalStateException if the request is not suspended.
*
*/

```

```

void resume();

/* ----- */
/**
 * Complete a suspended request.
 *
 * <p>
 * This method can be called by any thread that has been passed a reference
 * to a suspended request. When a request is completed, the associated
 * response object committed and flushed. The request is not redispached.
 * </p>
 *
 * <p>
 * If complete is called before a suspended request is returned to the
 * container (ie the thread that called { @link #suspend() } is still
 * within the filter chain and/or servlet service method), then the complete
 * does not take effect until the call to the filter chain and/or servlet
 * returns to the container. In this case both { @link #isSuspended() } and
 * { @link #isResumed() } return true.
 * </p>
 *
 * <p>
 * Typically resume() is used after a call to { @link #suspend(ServletResponse) } with
 * a possibly wrapped response. The async handler should use the response
 * provided by { @link #getServletResponse() } to write the response before
 * calling { @link #complete() }. If the request was suspended with a
 * call to { @link #suspend() } then no response object will be available via
 * { @link #getServletResponse() }.
 * </p>
 *
 * <p>
 * Once complete has been called and any thread calling the filter chain
 * and/or servlet chain has returned to the container, the request lifecycle
 * is complete. The container is able to recycle request objects, so it is
 * not valid hold a request or continuation reference after the end of the
 * life cycle.
 *
 * @see #suspend()
 * @exception IllegalStateException
 *         if the request is not suspended.
 */
void complete();

/* ----- */
/**
 * @return true after { @link #suspend() } has been called and before the
 * request has been redispached due to being resumed, completed or

```

```

*    timed out.
*/
boolean isSuspended();

/* ----- */
/**
 * @return true if the request has been redispached by a call to
 *    {@link #resume()}. Returns false after any subsequent call to
 *    suspend
 */
boolean isResumed();

/* ----- */
/**
 * @return true after a request has been redispached as the result of a
 *    timeout. Returns false after any subsequent call to suspend.
 */
boolean isExpired();

/* ----- */
/**
 * @return true while the request is within the initial dispatch to the
 *    filter chain and/or servlet. Will return false once the calling
 *    thread has returned to the container after suspend has been
 *    called and during any subsequent redispach.
 */
boolean isInitial();

/* ----- */
/**
 * Is the suspended response wrapped.
 * <p>
 * Filters that wrap the response object should check this method to
 * determine if they should destroy/finish the wrapped response. If
 * the request was suspended with a call to {@link #suspend(ServletResponse)}
 * that passed the wrapped response, then the filter should register
 * a {@link ContinuationListener} to destroy/finish the wrapped response
 * during a call to {@link ContinuationListener#onComplete(Continuation)}.
 * @return True if {@link #suspend(ServletResponse)} has been passed a
 * {@link ServletResponseWrapper} instance.
 */
boolean isResponseWrapped();

/* ----- */
/**
 * Get the suspended response.
 * @return the {@link ServletResponse} passed to {@link #suspend(ServletResponse)}.

```



```

*/
ServletResponse getServletResponse();

/* ----- */
/**
 * Add a ContinuationListener.
 *
 * @param listener
 */
void addContinuationListener(ContinuationListener listener);

/* ----- */
/** Set a request attribute.
 * This method is a convenience method to call the { @link ServletRequest#setAttribute(String, Object) }
 * method on the associated request object.
 * This is a thread safe call and may be called by any thread.
 * @param name the attribute name
 * @param attribute the attribute value
 */
public void setAttribute(String name, Object attribute);

/* ----- */
/** Get a request attribute.
 * This method is a convenience method to call the { @link ServletRequest#getAttribute(String) }
 * method on the associated request object.
 * This is a thread safe call and may be called by any thread.
 * @param name the attribute name
 * @return the attribute value
 */
public Object getAttribute(String name);

/* ----- */
/** Remove a request attribute.
 * This method is a convenience method to call the { @link ServletRequest#removeAttribute(String) }
 * method on the associated request object.
 * This is a thread safe call and may be called by any thread.
 * @param name the attribute name
 */
public void removeAttribute(String name);

/* ----- */
/**
 * Undispatch the request.
 * <p>
 * This method can be called on a suspended continuation in order
 * to exit the dispatch to the filter/servlet by throwing a { @link ContinuationThrowable }
 * which is caught either by the container or the { @link ContinuationFilter }.
 * This is an alternative to simply returning from the dispatch in the case

```

```

* where filters in the filter chain may not be prepared to handle a suspended
* request.
* </p>
* This method should only be used as a last resort and a normal return is a preferable
* solution if filters can be updated to handle that case.
*
* @throws ContinuationThrowable thrown if the request is suspended. The instance of the
* exception may be reused on subsequent calls, so the stack frame may not be accurate.
*/
public void undispatch() throws ContinuationThrowable;
}

```

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# 1.117 jetty-deploy 8.1.14.v20131031

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19 May, 2009

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# 1.121 jetty-jmx 8.1.14.v20131031

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19 May, 2009

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# 1.126 jetty-overlay-deployer 8.1.14.v20131031

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19 May, 2009

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## 1.130 jetty-rewrite 9.2.7.v20150116

## 1.131 jetty-security 8.1.15.v20140411

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# 1.136 jetty-servlet 8.1.7.v20120910

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//
```

```
package org.eclipse.jetty.servlet;
```

```
import java.io.FileNotFoundException;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import java.net.MalformedURLException;
import java.net.URL;
import java.util.ArrayList;
import java.util.Enumeration;
import java.util.List;
import java.util.Map;
```

```
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletContext;
import javax.servlet.ServletException;
import javax.servlet.UnavailableException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```
import org.eclipse.jetty.http.HttpContent;
import org.eclipse.jetty.http.HttpFields;
import org.eclipse.jetty.http.HttpHeaderValues;
import org.eclipse.jetty.http.HttpHeaders;
import org.eclipse.jetty.http.HttpMethods;
import org.eclipse.jetty.http.MimeTypes;
import org.eclipse.jetty.io.Buffer;
import org.eclipse.jetty.io.ByteArrayBuffer;
import org.eclipse.jetty.io.WriterOutputStream;
import org.eclipse.jetty.server.AbstractHttpConnection;
import org.eclipse.jetty.server.Connector;
```

```

import org.eclipse.jetty.server.Dispatcher;
import org.eclipse.jetty.server.HttpOutput;
import org.eclipse.jetty.server.InclusiveByteRange;
import org.eclipse.jetty.server.ResourceCache;
import org.eclipse.jetty.server.Response;
import org.eclipse.jetty.server.handler.ContextHandler;
import org.eclipse.jetty.server.nio.NIOConnector;
import org.eclipse.jetty.server.ssl.SslConnector;
import org.eclipse.jetty.util.IO;
import org.eclipse.jetty.util.MultiPartOutputStream;
import org.eclipse.jetty.util.URIUtil;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;
import org.eclipse.jetty.util.resource.FileResource;
import org.eclipse.jetty.util.resource.Resource;
import org.eclipse.jetty.util.resource.ResourceCollection;
import org.eclipse.jetty.util.resource.ResourceFactory;

/* ----- */
/** The default servlet.
 * This servlet, normally mapped to /, provides the handling for static
 * content, OPTION and TRACE methods for the context.
 * The following initParameters are supported, these can be set either
 * on the servlet itself or as ServletContext initParameters with a prefix
 * of org.eclipse.jetty.servlet.Default. :
 * <PRE>
 * acceptRanges    If true, range requests and responses are
 *                  supported
 *
 * dirAllowed      If true, directory listings are returned if no
 *                  welcome file is found. Else 403 Forbidden.
 *
 * welcomeServlets If true, attempt to dispatch to welcome files
 *                  that are servlets, but only after no matching static
 *                  resources could be found. If false, then a welcome
 *                  file must exist on disk. If "exact", then exact
 *                  servlet matches are supported without an existing file.
 *                  Default is true.
 *
 *                  This must be false if you want directory listings,
 *                  but have index.jsp in your welcome file list.
 *
 * redirectWelcome If true, welcome files are redirected rather than
 *                  forwarded to.
 *
 * gzip            If set to true, then static content will be served as

```



```

*      gzip content encoded if a matching resource is
*      found ending with ".gz"
*
* resourceBase    Set to replace the context resource base
*
* resourceCache  If set, this is a context attribute name, which the servlet
*                will use to look for a shared ResourceCache instance.
*
* relativeResourceBase
*                Set with a pathname relative to the base of the
*                servlet context root. Useful for only serving static content out
*                of only specific subdirectories.
*
* pathInfoOnly   If true, only the path info will be applied to the resourceBase
*
* stylesheet     Set with the location of an optional stylesheet that will be used
*                to decorate the directory listing html.
*
* aliases        If True, aliases of resources are allowed (eg. symbolic
*                links and caps variations). May bypass security constraints.
*
* maxCacheSize   The maximum total size of the cache or 0 for no cache.
* maxCachedFileSize The maximum size of a file to cache
* maxCachedFiles The maximum number of files to cache
*
* useFileMappedBuffer
*                If set to true, it will use mapped file buffer to serve static content
*                when using NIO connector. Setting this value to false means that
*                a direct buffer will be used instead of a mapped file buffer.
*                By default, this is set to true.
*
* cacheControl   If set, all static content will have this value set as the cache-control
*                header.
*
*
* </PRE>
*
*
*/
public class DefaultServlet extends HttpServlet implements ResourceFactory
{
    private static final Logger LOG = Log.getLogger(DefaultServlet.class);

    private static final long serialVersionUID = 4930458713846881193L;
    private ServletContext _servletContext;
    private ContextHandler _contextHandler;

```

```

private boolean _acceptRanges=true;
private boolean _dirAllowed=true;
private boolean _welcomeServlets=false;
private boolean _welcomeExactServlets=false;
private boolean _redirectWelcome=false;
private boolean _gzip=true;
private boolean _pathInfoOnly=false;

private Resource _resourceBase;
private ResourceCache _cache;

private MimeTypes _mimeTypes;
private String[] _welcomes;
private Resource _stylesheet;
private boolean _useFileMappedBuffer=false;
private ByteBuffer _cacheControl;
private String _relativeResourceBase;
private ServletHandler _servletHandler;
private ServletHolder _defaultHolder;

/* ----- */
@Override
public void init()
throws UnavailableException
{
    _servletContext=getServletContext();
    _contextHandler = initContextHandler(_servletContext);

    _mimeTypes = _contextHandler.getMimeTypes();

    _welcomes = _contextHandler.getWelcomeFiles();
    if (_welcomes==null)
        _welcomes=new String[] { "index.html", "index.jsp" };

    _acceptRanges=getInitBoolean("acceptRanges",_acceptRanges);
    _dirAllowed=getInitBoolean("dirAllowed",_dirAllowed);
    _redirectWelcome=getInitBoolean("redirectWelcome",_redirectWelcome);
    _gzip=getInitBoolean("gzip",_gzip);
    _pathInfoOnly=getInitBoolean("pathInfoOnly",_pathInfoOnly);

    if ("exact".equals(getInitParameter("welcomeServlets")))
    {
        _welcomeExactServlets=true;
        _welcomeServlets=false;
    }
    else

```

```

    _welcomeServlets=getInitBoolean("welcomeServlets", _welcomeServlets);

if (getInitParameter("aliases")!=null)
    _contextHandler.setAliases(getInitBoolean("aliases",false));

boolean aliases=_contextHandler.isAliases();
if (!aliases && !FileResource.getCheckAliases())
    throw new IllegalStateException("Alias checking disabled");
if (aliases)
    _servletContext.log("Aliases are enabled");

_useFileMappedBuffer=getInitBoolean("useFileMappedBuffer",_useFileMappedBuffer);

_relativeResourceBase = getInitParameter("relativeResourceBase");

String rb=getInitParameter("resourceBase");
if (rb!=null)
{
    if (_relativeResourceBase!=null)
        throw new UnavailableException("resourceBase & relativeResourceBase");
    try{_resourceBase=_contextHandler.newResource(rb);}
    catch (Exception e)
    {
        LOG.warn(Log.EXCEPTION,e);
        throw new UnavailableException(e.toString());
    }
}

String css=getInitParameter("stylesheet");
try
{
    if(css!=null)
    {
        _stylesheet = Resource.newResource(css);
        if(!_stylesheet.exists())
        {
            LOG.warn("!" + css);
            _stylesheet = null;
        }
    }
    if(_stylesheet == null)
    {
        _stylesheet = Resource.newResource(this.getClass().getResource("/jetty-dir.css"));
    }
}
catch(Exception e)
{
    LOG.warn(e.toString());
}

```

```

    LOG.debug(e);
}

String t=getInitParameter("cacheControl");
if (t!=null)
    _cacheControl=new ByteBuffer(t);

String resourceCache = getInitParameter("resourceCache");
int max_cache_size=getInitInt("maxCacheSize", -2);
int max_cached_file_size=getInitInt("maxCachedFileSize", -2);
int max_cached_files=getInitInt("maxCachedFiles", -2);
if (resourceCache!=null)
{
    if (max_cache_size!=-1 || max_cached_file_size!= -2 || max_cached_files!=-2)
        LOG.debug("ignoring resource cache configuration, using resourceCache attribute");
    if (_relativeResourceBase!=null || _resourceBase!=null)
        throw new UnavailableException("resourceCache specified with resource bases");
    _cache=(ResourceCache)_servletContext.getAttribute(resourceCache);

    LOG.debug("Cache {}={}",resourceCache,_cache);
}

try
{
    if (_cache==null && max_cached_files>0)
    {
        _cache= new ResourceCache(null,this,_mimeTypes,_useFileMappedBuffer);

        if (max_cache_size>0)
            _cache.setMaxCacheSize(max_cache_size);
        if (max_cached_file_size>=-1)
            _cache.setMaxCachedFileSize(max_cached_file_size);
        if (max_cached_files>=-1)
            _cache.setMaxCachedFiles(max_cached_files);
    }
}
catch (Exception e)
{
    LOG.warn(Log.EXCEPTION,e);
    throw new UnavailableException(e.toString());
}

_servletHandler= (ServletHandler) _contextHandler.getChildHandlerByClass(ServletHandler.class);
for (ServletHolder h :_servletHandler.getServlets())
    if (h.getServletInstance()==this)
        _defaultHolder=h;

if (LOG.isDebugEnabled())

```

```

        LOG.debug("resource base = "+_resourceBase);
    }

/**
 * Compute the field _contextHandler.<br/>
 * In the case where the DefaultServlet is deployed on the HttpService it is likely that
 * this method needs to be overwritten to unwrap the ServletContext facade until we reach
 * the original jetty's ContextHandler.
 * @param servletContext The servletContext of this servlet.
 * @return the jetty's ContextHandler for this servletContext.
 */
protected ContextHandler initContextHandler(ServletContext servletContext)
{
    ContextHandler.Context scontext=ContextHandler.getCurrentContext();
    if (scontext==null)
    {
        if (servletContext instanceof ContextHandler.Context)
            return ((ContextHandler.Context)servletContext).getContextHandler();
        else
            throw new IllegalArgumentException("The servletContext " + servletContext + " " +
                servletContext.getClass().getName() + " is not " + ContextHandler.Context.class.getName());
    }
    else
        return ContextHandler.getCurrentContext().getContextHandler();
}

/* ----- */
@Override
public String getInitParameter(String name)
{
    String value=getServletContext().getInitParameter("org.eclipse.jetty.servlet.Default."+name);
    if (value==null)
        value=super.getInitParameter(name);
    return value;
}

/* ----- */
private boolean getInitBoolean(String name, boolean dft)
{
    String value=getInitParameter(name);
    if (value==null || value.length()==0)
        return dft;
    return (value.startsWith("t")||
        value.startsWith("T")||
        value.startsWith("y")||
        value.startsWith("Y")||
        value.startsWith("1"));
}

```

```

/* ----- */
private int getInitInt(String name, int dft)
{
    String value=getInitParameter(name);
    if (value==null)
        value=getInitParameter(name);
    if (value!=null && value.length()>0)
        return Integer.parseInt(value);
    return dft;
}

/* ----- */
/** get Resource to serve.
 * Map a path to a resource. The default implementation calls
 * HttpContext.getResource but derived servlets may provide
 * their own mapping.
 * @param pathInContext The path to find a resource for.
 * @return The resource to serve.
 */
public Resource getResource(String pathInContext)
{
    Resource r=null;
    if (_relativeResourceBase!=null)
        pathInContext=URIUtil.addPaths(_relativeResourceBase,pathInContext);

    try
    {
        if (_resourceBase!=null)
        {
            r = _resourceBase.addPath(pathInContext);
        }
        else
        {
            URL u = _servletContext.getResource(pathInContext);
            r = _contextHandler.newResource(u);
        }

        if (LOG.isDebugEnabled())
            LOG.debug("Resource "+pathInContext+"="+r);
    }
    catch (IOException e)
    {
        LOG.ignore(e);
    }

    if((r==null || !r.exists()) && pathInContext.endsWith("/jetty-dir.css"))
        r=_stylesheet;
}

```

```

    return r;
}

/* ----- */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    String servletPath=null;
    String pathInfo=null;
    Enumeration<String> reqRanges = null;
    Boolean included =request.getAttribute(Dispatcher.INCLUDE_REQUEST_URI)!=null;
    if (included!=null && included.booleanValue())
    {
        servletPath=(String)request.getAttribute(Dispatcher.INCLUDE_SERVLET_PATH);
        pathInfo=(String)request.getAttribute(Dispatcher.INCLUDE_PATH_INFO);
        if (servletPath==null)
        {
            servletPath=request.getServletPath();
            pathInfo=request.getPathInfo();
        }
    }
    else
    {
        included = Boolean.FALSE;
        servletPath = _pathInfoOnly?"":request.getServletPath();
        pathInfo = request.getPathInfo();

        // Is this a Range request?
        reqRanges = request.getHeaders(Headers.RANGE);
        if (!hasDefinedRange(reqRanges))
            reqRanges = null;
    }

    String pathInContext=URIUtil.addPaths(servletPath,pathInfo);
    boolean endsWithSlash=(pathInfo==null?request.getServletPath():pathInfo).endsWith(URIUtil.SLASH);

    // Can we gzip this request?
    String pathInContextGz=null;
    boolean gzip=false;
    if (!included.booleanValue() && !_gzip && reqRanges==null && !endsWithSlash )
    {
        // Tell caches that response may vary by accept-encoding
        response.setHeader(Headers.VARY,Headers.ACCEPT_ENCODING);
        // Should we vary this response according to accept-encoding?
        String accept=request.getHeader(Headers.ACCEPT_ENCODING);
        if (accept!=null && accept.indexOf("gzip")>=0)

```

```

        gzip=true;
    }

    // Find the resource and content
    Resource resource=null;
    HttpContent content=null;

    try
    {
        // Try gzipped content first
        if (gzip)
        {
            pathInContextGz=pathInContext+".gz";

            if (_cache==null)
            {
                resource=getResource(pathInContextGz);
            }
            else
            {
                content=_cache.lookup(pathInContextGz);
                resource=(content==null)?null:content.getResource();
            }

            if (resource==null || !resource.exists() || resource.isDirectory())
            {
                gzip=false;
                pathInContextGz=null;
            }
        }

        // find resource
        if (!gzip)
        {
            if (_cache==null)
                resource=getResource(pathInContext);
            else
            {
                content=_cache.lookup(pathInContext);
                resource=content==null?null:content.getResource();
            }
        }

        if (LOG.isDebugEnabled())
            LOG.debug("uri="+request.getRequestURI()+" resource="+resource+(content!=null?" content:");

        // Handle resource
        if (resource==null || !resource.exists())

```



```

{
    if (included)
        throw new FileNotFoundException("!" + pathInContext);
    response.sendError(HttpServletResponse.SC_NOT_FOUND);
}
else if (!resource.isDirectory())
{
    if (endsWithSlash && _contextHandler.isAliases() && pathInContext.length()>1)
    {
        String q=request.getQueryString();
        pathInContext=pathInContext.substring(0,pathInContext.length()-1);
        if (q!=null&&q.length()!=0)
            pathInContext+="?" +q;
        response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(_servletContext.getContextPath(),pathInContext)));
    }
    else
    {
        // ensure we have content
        if (content==null)
            content=new
HttpContent.ResourceAsHttpContent(resource,_mimeTypes.getMimeByExtension(resource.toString()),response.get
BufferSize());

        if (included.booleanValue() || passConditionalHeaders(request,response, resource,content))
        {
            if (gzip)
            {
                response.setHeader(HttpHeaders.CONTENT_ENCODING,"gzip");
                String mt=_servletContext.getMimeType(pathInContext);
                if (mt!=null)
                    response.setContentType(mt);
            }
            sendData(request,response,included.booleanValue(),resource,content,reqRanges);
        }
    }
}
else
{
    String welcome=null;

    if (!endsWithSlash || (pathInContext.length()==1 &&
request.getAttribute("org.eclipse.jetty.server.nullPathInfo")!=null))
    {
        StringBuffer buf=request.getRequestURL();
        synchronized(buf)
        {
            int param=buf.lastIndexOf(";");

```

```

        if (param<0)
            buf.append('/');
        else
            buf.insert(param, '/');
        String q=request.getQueryString();
        if (q!=null&&q.length()!=0)
        {
            buf.append('?');
            buf.append(q);
        }
        response.setContentLength(0);
        response.sendRedirect(response.encodeRedirectURL(buf.toString()));
    }
}
// else look for a welcome file
else if (null!=(welcome=getWelcomeFile(pathInContext)))
{
    LOG.debug("welcome={}",welcome);
    if (_redirectWelcome)
    {
        // Redirect to the index
        response.setContentLength(0);
        String q=request.getQueryString();
        if (q!=null&&q.length()!=0)
            response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(
            _servletContext.getContextPath(),welcome)+"?" +q));
        else
            response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(
            _servletContext.getContextPath(),welcome)));
    }
    else
    {
        // Forward to the index
        RequestDispatcher dispatcher=request.getRequestDispatcher(welcome);
        if (dispatcher!=null)
        {
            if (included.booleanValue())
                dispatcher.include(request,response);
            else
            {
                request.setAttribute("org.eclipse.jetty.server.welcome",welcome);
                dispatcher.forward(request,response);
            }
        }
    }
}
}
else
{

```

```

        content=new
        HttpContent.ResourceAsHttpContent(resource,_mimeTypes.getMimeByExtension(resource.toString()));
        if (included.booleanValue() || passConditionalHeaders(request,response, resource,content))
            sendDirectory(request,response,resource,pathInContext);
    }
}
}
catch(IllegalArgumentException e)
{
    LOG.warn(Log.EXCEPTION,e);
    if(!response.isCommitted())
        response.sendError(500, e.getMessage());
}
finally
{
    if (content!=null)
        content.release();
    else if (resource!=null)
        resource.release();
}
}

/* ----- */
private boolean hasDefinedRange(Enumeration<String> reqRanges)
{
    return (reqRanges!=null && reqRanges.hasMoreElements());
}

/* ----- */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
    doGet(request,response);
}

/* ----- */
/* (non-Javadoc)
 * @see javax.servlet.http.HttpServlet#doTrace(javax.servlet.http.HttpServletRequest,
javax.servlet.http.HttpServletResponse)
 */
@Override
protected void doTrace(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException
{
    resp.sendError(HttpServletResponse.SC_METHOD_NOT_ALLOWED);
}

```

```

/* ----- */
@Override
protected void doOptions(HttpServletRequest req, HttpServletResponse resp)
throws ServletException, IOException
{
    resp.setHeader("Allow", "GET,HEAD,POST,OPTIONS");
}

/* ----- */
/**
 * Finds a matching welcome file for the supplied { @link Resource}. This will be the first entry in the list of
 * configured { @link #_welcomes welcome files } that existing within the directory referenced by the
 <code>Resource</code>.
 * If the resource is not a directory, or no matching file is found, then it may look for a valid servlet mapping.
 * If there is none, then <code>null</code> is returned.
 * The list of welcome files is read from the { @link ContextHandler} for this servlet, or
 * <code>"index.jsp" , "index.html"</code> if that is <code>null</code>.
 * @param resource
 * @return The path of the matching welcome file in context or null.
 * @throws IOException
 * @throws MalformedURLException
 */
private String getWelcomeFile(String pathInContext) throws MalformedURLException, IOException
{
    if (_welcomes==null)
        return null;

    String welcome_servlet=null;
    for (int i=0;i<_welcomes.length;i++)
    {
        String welcome_in_context=URIUtil.addPaths(pathInContext,_welcomes[i]);
        Resource welcome=getResource(welcome_in_context);
        if (welcome!=null && welcome.exists())
            return _welcomes[i];

        if ((_welcomeServlets || _welcomeExactServlets) && welcome_servlet==null)
        {
            Map.Entry entry=_servletHandler.getHolderEntry(welcome_in_context);
            if (entry!=null && entry.getValue()!=_defaultHolder &&
                (_welcomeServlets || (_welcomeExactServlets && entry.getKey().equals(welcome_in_context))))
                welcome_servlet=welcome_in_context;
        }
    }
    return welcome_servlet;
}

/* ----- */

```

```

/* Check modification date headers.
*/
protected boolean passConditionalHeaders(HttpServletRequest request, HttpServletResponse response, Resource
resource, HttpContent content)
throws IOException
{
    try
    {
        if (!request.getMethod().equals(HttpMethods.HEAD) )
        {
            String ifms=request.getHeader(HttpHeaders.IF_MODIFIED_SINCE);
            if (ifms!=null)
            {
                //Get jetty's Response impl
                Response r = Response.getResponse(response);

                if (content!=null)
                {
                    Buffer mdlm=content.getLastModified();
                    if (mdlm!=null)
                    {
                        if (ifms.equals(mdlm.toString()))
                        {
                            {
                                r.reset(true);
                                r.setStatus(HttpServletResponse.SC_NOT_MODIFIED);
                                r.flushBuffer();
                                return false;
                            }
                        }
                    }
                }

                long ifmsl=request.getDateHeader(HttpHeaders.IF_MODIFIED_SINCE);
                if (ifmsl!=-1)
                {
                    if (resource.lastModified()/1000 <= ifmsl/1000)
                    {
                        {
                            r.reset(true);
                            r.setStatus(HttpServletResponse.SC_NOT_MODIFIED);
                            r.flushBuffer();
                            return false;
                        }
                    }
                }
            }

            // Parse the if[un]modified dates and compare to resource
            long date=request.getDateHeader(HttpHeaders.IF_UNMODIFIED_SINCE);

            if (date!=-1)

```

```

    {
        if (resource.lastModified()/1000 > date/1000)
        {
            response.sendError(HttpServletResponse.SC_PRECONDITION_FAILED);
            return false;
        }
    }

}

}
}
catch(IllegalArgumentException iae)
{
    if(!response.isCommitted())
        response.sendError(400, iae.getMessage());
    throw iae;
}
return true;
}
}

```

```

/* ----- */

```

```

protected void sendDirectory(HttpServletRequest request,
    HttpServletResponse response,
    Resource resource,
    String pathInContext)
throws IOException
{
    if (!_dirAllowed)
    {
        response.sendError(HttpServletResponse.SC_FORBIDDEN);
        return;
    }

    byte[] data=null;
    String base = URIUtil.addPaths(request.getRequestURI(),URIUtil.SLASH);

    //If the DefaultServlet has a resource base set, use it
    if (_resourceBase != null)
    {
        // handle ResourceCollection
        if (_resourceBase instanceof ResourceCollection)
            resource=_resourceBase.addPath(pathInContext);
    }
    //Otherwise, try using the resource base of its enclosing context handler
    else if (_contextHandler.getBaseResource() instanceof ResourceCollection)
        resource=_contextHandler.getBaseResource().addPath(pathInContext);

    String dir = resource.getListHTML(base,pathInContext.length(>1);

```

```

if (dir==null)
{
    response.sendError(ServletResponse.SC_FORBIDDEN,
        "No directory");
    return;
}

data=dir.getBytes("UTF-8");
response.setContentType("text/html; charset=UTF-8");
response.setContentLength(data.length);
response.getOutputStream().write(data);
}

/* ----- */
protected void sendData(HttpServletRequest request,
    HttpServletResponse response,
    boolean include,
    Resource resource,
    HttpContent content,
    Enumeration reqRanges)
throws IOException
{
    boolean direct;
    long content_length;
    if (content==null)
    {
        direct=false;
        content_length=resource.length();
    }
    else
    {
        Connector connector = AbstractHttpConnection.getCurrentConnection().getConnector();
        direct=connector instanceof NIOConnector && ((NIOConnector)connector).getUseDirectBuffers() &&
!(connector instanceof SslConnector);
        content_length=content.getContentLength();
    }

    // Get the output stream (or writer)
    OutputStream out =null;
    boolean written;
    try
    {
        out = response.getOutputStream();

        // has a filter already written to the response?
        written = out instanceof HttpOutput
            ? ((HttpOutput)out).isWritten()

```

```

        : AbstractHttpConnection.getCurrentConnection().getGenerator().isWritten();
    }
    catch(IllegalStateException e)
    {
        out = new WriterOutputStream(response.getWriter());
        written=true; // there may be data in writer buffer, so assume written
    }

    if ( reqRanges == null || !reqRanges.hasMoreElements() || content_length<0)
    {
        // if there were no ranges, send entire entity
        if (include)
        {
            resource.writeTo(out,0,content_length);
        }
        else
        {
            // See if a direct methods can be used?
            if (content!=null && !written && out instanceof HttpOutput)
            {
                if (response instanceof Response)
                {
                    writeOptionHeaders(((Response)response).getHttpFields());
                    ((AbstractHttpConnection.Output)out).sendContent(content);
                }
                else
                {
                    Buffer buffer = direct?content.getDirectBuffer():content.getIndirectBuffer();
                    if (buffer!=null)
                    {
                        writeHeaders(response,content,content_length);
                        ((AbstractHttpConnection.Output)out).sendContent(buffer);
                    }
                    else
                    {
                        writeHeaders(response,content,content_length);
                        resource.writeTo(out,0,content_length);
                    }
                }
            }
            else
            {
                // Write headers normally
                writeHeaders(response,content,written?-1:content_length);

                // Write content normally
                Buffer buffer = (content==null)?null:content.getIndirectBuffer();
                if (buffer!=null)

```



```

        buffer.writeTo(out);
    else
        resource.writeTo(out,0,content_length);
    }
}
else
{
    // Parse the satisfiable ranges
    List ranges =InclusiveByteRange.satisfiableRanges(reqRanges,content_length);

    // if there are no satisfiable ranges, send 416 response
    if (ranges==null || ranges.size()==0)
    {
        writeHeaders(response, content, content_length);
        response.setStatus(HttpServletResponse.SC_REQUESTED_RANGE_NOT_SATISFIABLE);
        response.setHeader(HttpHeaders.CONTENT_RANGE,
            InclusiveByteRange.to416HeaderRangeString(content_length));
        resource.writeTo(out,0,content_length);
        return;
    }

    // if there is only a single valid range (must be satisfiable
    // since were here now), send that range with a 216 response
    if ( ranges.size()== 1)
    {
        InclusiveByteRange singleSatisfiableRange =
            (InclusiveByteRange)ranges.get(0);
        long singleLength = singleSatisfiableRange.getSize(content_length);
        writeHeaders(response,content,singleLength
            );
        response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);
        response.setHeader(HttpHeaders.CONTENT_RANGE,
            singleSatisfiableRange.toHeaderRangeString(content_length));
        resource.writeTo(out,singleSatisfiableRange.getFirst(content_length),singleLength);
        return;
    }

    // multiple non-overlapping valid ranges cause a multipart
    // 216 response which does not require an overall
    // content-length header
    //
    writeHeaders(response,content,-1);
    String mimetype=content.getContentType().toString();
    MultiPartOutputStream multi = new MultiPartOutputStream(out);
    response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);

    // If the request has a "Request-Range" header then we need to
    // send an old style multipart/x-byteranges Content-Type. This

```

```

// keeps Netscape and acrobat happy. This is what Apache does.
String ctp;
if (request.getHeader(HttpHeaders.REQUEST_RANGE)!=null)
    ctp = "multipart/x-byteranges; boundary=";
else
    ctp = "multipart/byteranges; boundary=";
response.setContentType(ctp+multi.getBoundary());

InputStream in=resource.getInputStream();
long pos=0;

// calculate the content-length
int length=0;
String[] header = new String[ranges.size()];
for (int i=0;i<ranges.size();i++)
{
    InclusiveByteRange ibr = (InclusiveByteRange) ranges.get(i);
    header[i]=ibr.toHeaderRangeString(content_length);
    length+=
        ((i>0)?2:0)+
        2+multi.getBoundary().length()+2+
        HttpHeaders.CONTENT_TYPE.length()+2+mimetype.length()+2+
        HttpHeaders.CONTENT_RANGE.length()+2+header[i].length()+2+
        2+
        (ibr.getLast(content_length)-ibr.getFirst(content_length))+1;
}
length+=2+2+multi.getBoundary().length()+2+2;
response.setContentLength(length);

for (int i=0;i<ranges.size();i++)
{
    InclusiveByteRange ibr = (InclusiveByteRange) ranges.get(i);
    multi.startPart(mimetype,new String[]{HttpHeaders.CONTENT_RANGE+": "+header[i]});

    long start=ibr.getFirst(content_length);
    long size=ibr.getSize(content_length);
    if (in!=null)
    {
        // Handle non cached resource
        if (start<pos)
        {
            in.close();
            in=resource.getInputStream();
            pos=0;
        }
        if (pos<start)
        {
            in.skip(start-pos);
        }
    }
}

```

```

        pos=start;
    }
    IO.copy(in,multi,size);
    pos+=size;
}
else
    // Handle cached resource
    (resource).writeTo(multi,start,size);

}
if (in!=null)
    in.close();
    multi.close();
}
return;
}

/* ----- */
protected void writeHeaders(HttpServletRequest response,HttpContent content,long count)
throws IOException
{
    if (content.getContentType()!=null && response.getContentType()==null)
        response.setContentType(content.getContentType().toString());

    if (response instanceof Response)
    {
        Response r=(Response)response;
        HttpFields fields = r.getHttpFields();

        if (content.getLastModified()!=null)
            fields.put(HttpHeaders.LAST_MODIFIED_BUFFER,content.getLastModified());
        else if (content.getResource()!=null)
        {
            long lml=content.getResource().lastModified();
            if (lml!=-1)
                fields.putDateField(HttpHeaders.LAST_MODIFIED_BUFFER,lml);
        }

        if (count != -1)
            r.setLongContentLength(count);

        writeOptionHeaders(fields);
    }
    else
    {
        long lml=content.getResource().lastModified();
        if (lml>=0)
            response.setDateHeader(HttpHeaders.LAST_MODIFIED,lml);
    }
}

```

```

        if (count != -1)
        {
            if (count<Integer.MAX_VALUE)
                response.setContentLength((int)count);
            else
                response.setHeader(HttpHeaders.CONTENT_LENGTH,Long.toString(count));
        }

        writeOptionHeaders(response);
    }
}

/* ----- */
protected void writeOptionHeaders(HttpFields fields) throws IOException
{
    if (_acceptRanges)
        fields.put(HttpHeaders.ACCEPT_RANGES_BUFFER,HttpHeaderValues.BYTES_BUFFER);

    if (_cacheControl!=null)
        fields.put(HttpHeaders.CACHE_CONTROL_BUFFER,_cacheControl);
}

/* ----- */
protected void writeOptionHeaders(HttpServletResponse response) throws IOException
{
    if (_acceptRanges)
        response.setHeader(HttpHeaders.ACCEPT_RANGES,"bytes");

    if (_cacheControl!=null)
        response.setHeader(HttpHeaders.CACHE_CONTROL,_cacheControl.toString());
}

/* ----- */
/*
 * @see javax.servlet.Servlet#destroy()
 */
@Override
public void destroy()
{
    if (_cache!=null)
        _cache.flushCache();
    super.destroy();
}
}

```

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19 May, 2009

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# 1.137 jetty-servlet 8.1.15.v20140411

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## 1.143 jetty-util 8.1.15.v20140411

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19 May, 2009

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## 1.159 log4j 1.2.16

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## 1.163 Lucene Queries 4.10.4

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## 1.167 lucene-analyzers-icu 4.5.0

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`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`  
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### Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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which can be obtained from

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<http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz>

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<http://snowball.tartarus.org/>

The KStem stemmer in  
`analysis/common/src/org/apache/lucene/analysis/en`  
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
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The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default  
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:  
`analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
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`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`  
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was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
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The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default  
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:  
`analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
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`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`  
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`analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java`

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`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
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`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
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`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`  
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`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,`

`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
Ljiljana Dolamic. These files reside in:

`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`

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`analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java`

`analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java`

The Stempel analyzer (stempel) includes BSD-licensed software developed

by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in `stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt`. See <http://project.carrot2.org/license.html>.

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`Servlet-api.jar` and `javax.servlet-*.jar` are under the CDDL license, the original source code for this can be found at <http://www.eclipse.org/jetty/downloads.php>

=====  
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=====

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# 1.187 org.eclipse.jdt.core 3.7.1.v\_B76\_R37x

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

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

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

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

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# 1.192 resteasy-jaxrs 2.2.0.GA

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## 1.195 ring-core 1.1.7

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# 1.207 Spring Beans 3.2.3.RELEASE

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## 1.217 Spring Transaction 4.0.9.RELEASE

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## 1.228 spring-context 3.2.1

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- Overview
- Conferences
- Summer of Code
- Getting Started
- The Apache Way
- Travel Assistance
- Get Involved
- Community FAQ

## INNOVATION

- Incubator
- Labs
- Licensing
- Licensing FAQ
- Trademark Policy
- Contacts

## TECH OPERATIONS

- Developer Information
- Infrastructure
- Security
- Status
- Contacts

## PRESS

Overview  
ASF News  
Announcements  
Twitter Feed  
Contacts  
LEGAL

Legal Affairs  
Licenses  
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- Overview
- Conferences
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- Getting Started
- The Apache Way
- Travel Assistance
- Get Involved
- Community FAQ

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Labs  
Licensing  
Licensing FAQ  
Trademark Policy  
Contacts  
TECH OPERATIONS

Developer Information  
Infrastructure  
Security  
Status  
Contacts  
PRESS

Overview  
ASF News  
Announcements  
Twitter Feed  
Contacts  
LEGAL

Legal Affairs  
Licenses  
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## 1.243 spring-test 3.2.1.RELEASE

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## 1.245 spring-web 4.0.7.RELEASE

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## 1.248 sqlite-jdbc 3.7.2

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```
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 * This interface declares a simple filter interface that one can
 * create to filter XMLEventReaders
 * @version 1.0
 * @author Copyright (c) 2003 by BEA Systems. All Rights Reserved.
 */
```

## 1.251 stringtemplate 4.0.2

# 1.252 The Netty Project 3.9.0.Final

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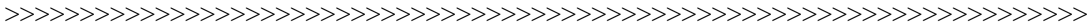
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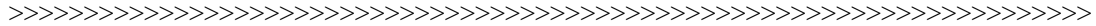
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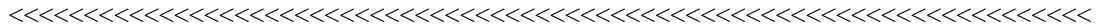


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## 1.267 XMLUnit for Java 1.1

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## 1.268 xom 1.0

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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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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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