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In your requests please include the following reference number 78EE117C99-1006868863

Contents

- 1.1 jsr305 3.0.2**
- 1.2 neethi 3.0.3**
 - 1.2.1 Available under license
- 1.3 snake-yaml 1.23**
- 1.4 opensaml-saml-impl 3.3.0**
- 1.5 json-simple 2.3.0**
- 1.6 libjpeg 1.2.90 8.e17**
 - 1.6.1 Notifications
 - 1.6.2 Available under license
- 1.7 pfl-asm 4.0.1**
- 1.8 taglibs-standard 1.2.5**
 - 1.8.1 Available under license
- 1.9 vertx-web 3.6.3**
- 1.10 netty-buffer 4.1.38**
- 1.11 chkconfig 1.7.4-1.e17**
 - 1.11.1 Available under license
- 1.12 commons-beanutils 1.8.3**
 - 1.12.1 Available under license
- 1.13 tomcat-servlet-api 9.0.22**
 - 1.13.1 Available under license
- 1.14 tomcat-util-scan 9.0.22**
 - 1.14.1 Available under license
- 1.15 activemq-openwire-legacy 5.15.9**
 - 1.15.1 Available under license
- 1.16 bouncy-castle 1.54**
- 1.17 activation 1.1.1**

- 1.17.1 Available under license
- 1.18 gson 2.8.5**
- 1.19 perl-threads-shared 1.43-6.el7**
- 1.20 websocket 1.1.FR**
- 1.21 jersey-container-servlet 2.28**
 - 1.21.1 Available under license
- 1.22 lucene 7.7.0**
 - 1.22.1 Available under license
- 1.23 perl-scalar-list-utils 1.27 248.el7**
 - 1.23.1 Available under license
- 1.24 perl-digest-md5 2.52 3.el7**
- 1.25 netty-codec 4.1.30**
- 1.26 perl-storable 2.45 3.el7**
- 1.27 commons-validator 1.6**
 - 1.27.1 Available under license
- 1.28 netty-resolver-dns 4.1.30**
- 1.29 log4j-web 2.11.0**
 - 1.29.1 Available under license
- 1.30 elastic-search 6.8.1 1**
 - 1.30.1 Available under license
- 1.31 slf4j-log4j 1.7.25**
- 1.32 nss-softokn 3.44.0-5.el7**
 - 1.32.1 Available under license
- 1.33 activemq-jms-pool 5.15.9**
 - 1.33.1 Available under license
- 1.34 tomcat-i18n-cs 9.0.22**
 - 1.34.1 Available under license
- 1.35 compress-lzf 1.0.3**
 - 1.35.1 Available under license
- 1.36 spring-beans 5.1.9.RELEASE**
- 1.37 perl-net-daemon 0.48 5.el7**
 - 1.37.1 Available under license
- 1.38 cglib 3.2.0**
 - 1.38.1 Available under license
- 1.39 fast-infoset 1.2.16**
 - 1.39.1 Available under license
- 1.40 perl-getopt-long 2.40 3.el7**
 - 1.40.1 Available under license
- 1.41 httpcomponents-mime 4.5.6**

- 1.41.1 Available under license
- 1.42 perl-file-path 2.09 2.e17**
 - 1.42.1 Available under license
- 1.43 objenesis 2.5.1**
 - 1.43.1 Available under license
- 1.44 activemq-mqtt 5.15.9**
 - 1.44.1 Available under license
- 1.45 copy-jdk-configs 3.3-10.e17_5**
 - 1.45.1 Available under license
- 1.46 analysis-common 6.8.1**
- 1.47 perl-compress-raw-bzip2 2.061 3.e17**
 - 1.47.1 Available under license
- 1.48 httpcore-nio 4.4.5**
 - 1.48.1 Available under license
- 1.49 apache-httpclient 4.5.2**
 - 1.49.1 Available under license
- 1.50 alsa 1.1.8-1.e17**
 - 1.50.1 Available under license
- 1.51 jackson-dataformat-cbor 2.8.11**
- 1.52 vertx-jwt 3.8.0**
- 1.53 java-support 7.3.0**
- 1.54 perl-carp 1.26-244.e17**
- 1.55 opensaml-profile-impl 3.3.0**
- 1.56 rt 2.3.2**
 - 1.56.1 Available under license
- 1.57 cryptacular 1.2.0**
 - 1.57.1 Available under license
- 1.58 vertx-auth-jwt 3.6.3**
- 1.59 amqp-client 5.4.3**
 - 1.59.1 Available under license
- 1.60 tomcat-jni 9.0.22**
 - 1.60.1 Available under license
- 1.61 libsm 1.2.2-2.e17**
 - 1.61.1 Available under license
- 1.62 log4j-slf4j-impl 2.11.1**
- 1.63 datatype 1.3.04**
 - 1.63.1 Available under license
- 1.64 javax-annotation 1.3.fr**
 - 1.64.1 Available under license

- 1.65 perl-carp 1.26 244.e17**
- 1.66 opensaml-soap-impl 3.3.0**
- 1.67 spring-data-commons 2.1.10**
 - 1.67.1 Available under license
- 1.68 lz4-java 1.5.0**
- 1.69 ganymed-ssh2 262**
 - 1.69.1 Available under license
- 1.70 socat 1.7.3.2 2.e17**
 - 1.70.1 Available under license
- 1.71 java-mail 1.6.0**
 - 1.71.1 Available under license
- 1.72 opensaml-security-api 3.3.0**
- 1.73 vertx-core 3.6.3**
 - 1.73.1 Available under license
- 1.74 rank-eval-client 6.8.1**
 - 1.74.1 Available under license
- 1.75 kryo-parent 4.0.2**
 - 1.75.1 Available under license
- 1.76 pcre 8.41**
 - 1.76.1 Available under license
- 1.77 lucene-highlighter 7.7.0**
 - 1.77.1 Available under license
- 1.78 liquibase-core 3.6.3**
 - 1.78.1 Available under license
- 1.79 qpress 11**
- 1.80 snake-yaml 1.15**
- 1.81 spring-boot-starter-tomcat 2.1.7**
 - 1.81.1 Available under license
- 1.82 rabbitmq-server 3.7.4 1.e17**
 - 1.82.1 Available under license
- 1.83 perl-dbd-mysql 4.023 6.e17**
 - 1.83.1 Available under license
- 1.84 netty-transport 4.1.32**
- 1.85 slf4j 1.6.2**
 - 1.85.1 Available under license
- 1.86 pfl-dynamic 4.0.1**
- 1.87 camel-jms 2.19.5**
 - 1.87.1 Available under license
- 1.88 Isof 4.87 6.e17**

1.88.1 Available under license
1.89 repository-url 6.8.1
1.90 alsa-lib 1.1.8 1.el7
1.90.1 Available under license
1.91 aws-java-sdk-logs 1.11.511
1.92 tomcat-jdbc 9.0.22
1.92.1 Available under license
1.93 unboundid-ldap-sdk 4.0.8
1.93.1 Available under license
1.94 libxcb 1.13 1.el7
1.94.1 Available under license
1.95 sanitizer 239
1.95.1 Available under license
1.96 opensaml-xmlsec-api 3.3.0
1.97 httpasyncclient 4.1.2
1.97.1 Available under license
1.98 spring-data-jpa 2.1.10
1.98.1 Available under license
1.99 slf4j 1.8.0 alpha2
1.100 security-provider 1.61-logstash.ph
1.101 commons-io 1.2
1.101.1 Available under license
1.102 lang-mustache-client 6.8.1
1.102.1 Available under license
1.103 lucene-join 7.7.0
1.103.1 Available under license
1.104 jctools-core 2.1.1
1.105 stax 3.1.1
1.105.1 Available under license
1.106 reindex-client 6.8.1
1.106.1 Available under license
1.107 commons-fileupload 1.3.2
1.107.1 Available under license
1.108 asm-tree 5.0.4
1.108.1 Available under license
1.109 jline-terminal-jna 3.10.0
1.110 elasticsearch-ssl-config 6.8.1
1.110.1 Available under license
1.111 netty-codec-http 4.1.30

- 1.112 commons-math 3.6.1**
 - 1.112.1 Available under license
- 1.113 vertx-auth-common 3.8.0**
- 1.114 axiom-api 1.2.20**
 - 1.114.1 Available under license
- 1.115 jline-reader 3.10.0**
- 1.116 perl-threads 1.87-4.e17**
- 1.117 istack-commons 3.0.8**
 - 1.117.1 Available under license
- 1.118 tomcat-native 1.2.23 0**
 - 1.118.1 Available under license
- 1.119 joda-time 2.10.1**
 - 1.119.1 Available under license
- 1.120 tomcat-coyote 9.0.22**
 - 1.120.1 Available under license
- 1.121 jgrapht-core 0.9.1**
- 1.122 jakarta-mail 1.6.4**
 - 1.122.1 Available under license
- 1.123 opensaml-profile-api 3.3.0**
- 1.124 httpcomponents-core 4.4.4**
 - 1.124.1 Available under license
- 1.125 vertx-web 3.8.0**
- 1.126 icu4j 62.1**
 - 1.126.1 Available under license
- 1.127 tomcat-jsp-api 9.0.22**
- 1.128 mime4j 0.8.2**
 - 1.128.1 Available under license
- 1.129 netty-codec 4.1.32**
- 1.130 ttmkfdir 3.0.9-42.e17**
 - 1.130.1 Available under license
- 1.131 aop-alliance 2.5.0**
 - 1.131.1 Available under license
- 1.132 tomcat-websocket 9.0.22**
 - 1.132.1 Available under license
- 1.133 activation 1.2.0**
 - 1.133.1 Available under license
- 1.134 slf4j 1.7.25**
 - 1.134.1 Available under license
- 1.135 aspect-j 1.9.4**

- 1.136 activemq-shiro 5.15.9**
 - 1.136.1 Available under license
- 1.137 lucene-suggest 7.7.0**
 - 1.137.1 Available under license
- 1.138 resourcelocator 1.0.1**
 - 1.138.1 Available under license
- 1.139 axis2-xmlbeans 1.7.4**
 - 1.139.1 Available under license
- 1.140 perl 5.16.3 294.el7_6**
 - 1.140.1 Available under license
- 1.141 perl-time-hires 1.9725-3.el7**
- 1.142 xalan 2.7.2**
 - 1.142.1 Available under license
- 1.143 axis2-adb 1.7.4**
 - 1.143.1 Available under license
- 1.144 owasp-java-html-sanitizer 20190610.1**
- 1.145 jandex 2.0.5**
- 1.146 jersey-media-jaxb 2.28**
 - 1.146.1 Available under license
- 1.147 camel 2.19.5**
 - 1.147.1 Available under license
- 1.148 amqp-client 5.2.0**
 - 1.148.1 Available under license
- 1.149 stax-api 1.0-2**
 - 1.149.1 Available under license
- 1.150 commons-daemon 1.1.0**
 - 1.150.1 Available under license
- 1.151 spring-aop 5.1.9**
 - 1.151.1 Available under license
- 1.152 transport-netty4-client 6.8.1**
 - 1.152.1 Available under license
- 1.153 apache-log4j 2.11.0**
 - 1.153.1 Available under license
- 1.154 liquibase-slf4j 2.0.0**
 - 1.154.1 Available under license
- 1.155 xmlsec-java 2.0.8**
 - 1.155.1 Available under license
- 1.156 jaxb-api 2.4.0**
 - 1.156.1 Available under license

1.157 perl-io-compress 2.061 2.e17
1.158 compiler 0.9.3
1.159 lucene-queryparser 7.7.0
 1.159.1 Available under license
1.160 perl-file-temp 0.23.01 3.e17
 1.160.1 Available under license
1.161 spring-boot-starter 2.1.7
 1.161.1 Available under license
1.162 jblas 1.2.4
1.163 awsjavasdk 1.11.511
1.164 commons-beanutils 1.9.2
 1.164.1 Available under license
1.165 jaxb 2.4.0 b180830.0359
 1.165.1 Available under license
1.166 perl-pod-simple 3.28 4.e17
1.167 libaio 0.3.109-13.e17
1.168 lucene-queries 7.7.0
 1.168.1 Available under license
1.169 guava 19.0
1.170 activemq-spring 5.15.9
 1.170.1 Available under license
1.171 xinetd 2.3.15 13.e17
 1.171.1 Available under license
1.172 trilead-ssh 1.0.0-build220
1.173 xorg-x11-font-utils 7.5 21.e17
 1.173.1 Available under license
1.174 hibernate-validator 6.0.17
1.175 commons-codec 1.10
 1.175.1 Available under license
1.176 activemq-jdbc-store 5.15.9
 1.176.1 Available under license
1.177 vertx-auth-jwt 3.8.0
1.178 axis 1.7.4
 1.178.1 Available under license
1.179 apr 1.5.2
 1.179.1 Available under license
1.180 spring-boot 2.1.7
1.181 dom4j 2.1.1
1.182 aspect-j 1.9.3

1.182.1 Available under license

1.183 error-prone-annotations 2.3.2

1.184 jaxb-core 2.3.0

1.185 commons-compress 1.18

1.186 elasticsearch-rest-client-sniffer 6.8.1

1.186.1 Available under license

1.187 super-csv 2.4.0

1.188 jackson 2.8.11

1.188.1 Available under license

1.189 json-java 20180130

1.189.1 Available under license

1.190 metrics 3.1.2

1.191 httpcomponents-core 4.4.5

1.191.1 Available under license

1.192 activemq-console 5.15.9

1.192.1 Available under license

1.193 jopt-simple 5.0.2

1.194 hibernate 5.3.10

1.194.1 Available under license

1.195 perl-threads-shared 1.43 6.e17

1.196 byte-buddy-dep 1.9.16

1.196.1 Available under license

1.197 aws-java-sdk-cloudwatch 1.11.511

1.198 beanutils 1.9.2

1.198.1 Available under license

1.199 guava 28.0

1.200 bean-validation-api 2.0.1

1.200.1 Available under license

1.201 spring-framework 5.1.9

1.201.1 Available under license

1.202 libfontenc 1.1.3-3.e17

1.202.1 Available under license

1.203 xmlschema 2.2.1

1.203.1 Available under license

1.204 perl-time-hires 1.9725 3.e17

1.205 byte-buddy 1.9.16

1.205.1 Available under license

1.206 tomcat-i18n-fr 9.0.22

1.206.1 Available under license

- 1.207 commons-codec 1.10**
 - 1.207.1 Available under license
- 1.208 alsa 1.1.8 1.e17**
 - 1.208.1 Available under license
- 1.209 jasypt 1.9.2**
 - 1.209.1 Available under license
- 1.210 istack-commons 3.0.5**
 - 1.210.1 Available under license
- 1.211 tomcat-catalina-ha 9.0.22**
 - 1.211.1 Available under license
- 1.212 beanutils 1.8.3**
 - 1.212.1 Available under license
- 1.213 gmbal 4.0.0**
- 1.214 bcpkix-jdk15on 1.61-logstash.ph**
- 1.215 jcl-over-slf4j 1.7.25**
- 1.216 apache-felix-framework 4.4.0**
 - 1.216.1 Available under license
- 1.217 pfl-tf 4.0.1**
- 1.218 activation 1.2.1**
- 1.219 jsp 2.3.FR**
 - 1.219.1 Available under license
- 1.220 moogsoft-integrations-ui 7.3.0 59661**
- 1.221 commons-lang 3.5**
 - 1.221.1 Available under license
- 1.222 antlr-runtime 4.5.1 1**
- 1.223 jersey-server 2.28**
 - 1.223.1 Available under license
- 1.224 pfl-basic 4.0.1**
- 1.225 perl-pathtools 3.40 5.e17**
- 1.226 jacorb-omgapi 3.9**
 - 1.226.1 Available under license
- 1.227 javax-jms-api 2.0**
 - 1.227.1 Available under license
- 1.228 woodstox-core-asl 4.4.1**
 - 1.228.1 Available under license
- 1.229 elasticsearch-securesm 6.8.1**
 - 1.229.1 Available under license
- 1.230 geronimojmspec 1.1.1**
 - 1.230.1 Available under license

- 1.231 jboss-logging 3.3.2**
 - 1.231.1 Available under license
- 1.232 perl-compress-raw-zlib 2.061 4.e17**
- 1.233 jaxb-api 2.3.1**
 - 1.233.1 Available under license
- 1.234 netty 4.1.32**
 - 1.234.1 Available under license
- 1.235 perl-exporter 5.68 3.e17**
- 1.236 lang-painless 6.8.1**
- 1.237 netty-handler 4.1.30**
 - 1.237.1 Available under license
- 1.238 spring-amqp 2.1.8**
- 1.239 elasticsearch-x-content 6.8.1**
 - 1.239.1 Available under license
- 1.240 elasticsearch-scripting-painless-spi 6.8.1**
 - 1.240.1 Available under license
- 1.241 snake-yaml 1.17**
 - 1.241.1 Available under license
- 1.242 reactor-core 3.2.11**
- 1.243 pac4j-core 2.0.0**
- 1.244 kafka-clients 2.2.0**
 - 1.244.1 Available under license
- 1.245 amqp-client 5.6.0**
 - 1.245.1 Available under license
- 1.246 om-aspects 1.2.20**
 - 1.246.1 Available under license
- 1.247 activemq-leveldb-store 5.15.9**
 - 1.247.1 Available under license
- 1.248 boost 1.65.1**
- 1.249 bcel 2.7.2**
 - 1.249.1 Available under license
- 1.250 geo-ip 2.9.0**
 - 1.250.1 Available under license
- 1.251 hppc 0.7.1**
- 1.252 netty-codec-socks 4.1.38**
- 1.253 j2objc-annotations 1.3**
 - 1.253.1 Available under license
- 1.254 woodstox-core 5.1.0**
 - 1.254.1 Available under license

1.255 tomcat-websocket-api 9.0.22
1.255.1 Available under license

1.256 tomcat-tribes 9.0.22
1.256.1 Available under license

1.257 libpng 1.5.13 7.el7_2
1.257.1 Available under license

1.258 saaj 1.5.1
1.258.1 Available under license

1.259 perl-digest 1.17 245.el7

1.260 vertx-bridge-common 3.8.0

1.261 zstd-jni 1.3.8 1

1.262 ojdbc 11.2.0

1.263 aws-java-sdk-s3 1.11.511
1.263.1 Available under license

1.264 netty-transport 4.1.38

1.265 rhino 1.7R4

1.266 kryo-shaded 4.0.2

1.267 jooq-meta 3.11.11

1.268 maxmind-db 1.2.2
1.268.1 Available under license

1.269 jaxb 2.2.11
1.269.1 Available under license

1.270 expat 1.95.7
1.270.1 Available under license

1.271 spring-boot-autoconfigure 2.1.7

1.272 tomcat-i18n-ko 9.0.22
1.272.1 Available under license

1.273 jooq 3.11.11

1.274 lanterna 2.1.3
1.274.1 Available under license

1.275 opensaml-messaging-impl 3.3.0

1.276 activation 1.1
1.276.1 Available under license

1.277 gcc 4.8.5 39.el7
1.277.1 Available under license

1.278 netty-codec-http 4.1.38

1.279 tomcat-el-api 9.0.22
1.279.1 Available under license

1.280 perl-plrpc 0.2020 14.el7

- 1.281 libxslt 1.1.28 5.e17**
 - 1.281.1 Available under license
- 1.282 mx4j 3.0.2**
 - 1.282.1 Notifications
 - 1.282.2 Available under license
- 1.283 spring-retry 1.2.4**
- 1.284 tomcat-annotations-api 9.0.22**
 - 1.284.1 Available under license
- 1.285 apache-httpclient 4.3.6**
 - 1.285.1 Available under license
- 1.286 activemq-http 5.15.9**
 - 1.286.1 Available under license
- 1.287 tomcat-i18n-zh-cn 9.0.22**
 - 1.287.1 Available under license
- 1.288 pfl-basic-tools 4.0.1**
- 1.289 spring-jms 5.1.9.RELEASE**
- 1.290 jcl-over-slf4j 1.7.25**
- 1.291 perl-parent 0.225 244.e17**
- 1.292 elasticsearch-rest-client 6.8.1**
 - 1.292.1 Available under license
- 1.293 jjwt-impl 0.10.6**
- 1.294 free-type 2.8 14.e17**
 - 1.294.1 Available under license
- 1.295 netty-resolver 4.1.38**
- 1.296 sjsxp 1.0.2**
 - 1.296.1 Available under license
- 1.297 snappy-java 1.1.7.2**
- 1.298 netty-resolver 4.1.30**
 - 1.298.1 Available under license
- 1.299 perl-text-parsewords 3.29-4.e17**
 - 1.299.1 Available under license
- 1.300 tomcat-jasper 9.0.22**
 - 1.300.1 Available under license
- 1.301 jersey-hk2 2.28**
- 1.302 jboss-transaction-api 1.1.1**
 - 1.302.1 Available under license
- 1.303 spring-context 5.1.9.RELEASE**
- 1.304 lucene-spatial 7.7.0**
 - 1.304.1 Available under license

- 1.305 httpcomponents-core 4.3.3**
 - 1.305.1 Available under license
- 1.306 libxau 1.0.8-2.1.el7**
 - 1.306.1 Available under license
- 1.307 commons-logging 1.1.3**
 - 1.307.1 Available under license
- 1.308 vertx-web-common 3.8.0**
- 1.309 perl-filter 1.49 3.el7**
- 1.310 perl-constant 1.27-2.el7**
- 1.311 jcodings 1.0.12**
- 1.312 moogsoft-integrations 7.3.0 59661**
- 1.313 netty-codec 4.1.38**
- 1.314 vertx-web-common 3.6.3**
- 1.315 ingest-user-agent 6.8.1**
- 1.316 moogsoft-common 7.3.0 59659**
 - 1.316.1 Available under license
- 1.317 activemq-kahadb-store 5.15.9**
 - 1.317.1 Available under license
- 1.318 lsof 4.87-6.el7**
 - 1.318.1 Available under license
- 1.319 netty 4.1.30**
 - 1.319.1 Available under license
- 1.320 owasp-java-html-sanitizer r239**
- 1.321 xorg-x11-fonts 7.5-9.el7**
 - 1.321.1 Available under license
- 1.322 perl-pod-simple 3.28-4.el7**
- 1.323 error-prone-annotations 2.2.0**
- 1.324 spatial4j 0.7**
- 1.325 perl-http-tiny 0.033-3.el7**
 - 1.325.1 Available under license
- 1.326 vertx-core 3.8.0**
 - 1.326.1 Available under license
- 1.327 lucene-sandbox 7.7.0**
 - 1.327.1 Available under license
- 1.328 spring-integration-amqp 5.1.7**
- 1.329 perl-pod-perldoc 3.20 4.el7**
 - 1.329.1 Available under license
- 1.330 apache-log4j 1.2.17**
 - 1.330.1 Available under license

- 1.331 log4j-slf4j-impl 2.11.0**
 - 1.331.1 Available under license
- 1.332 netty-buffer 4.1.32**
- 1.333 log4j-api 2.11.0**
 - 1.333.1 Available under license
- 1.334 activemq-client 5.15.9**
 - 1.334.1 Available under license
- 1.335 tomcat-i18n-ja 9.0.22**
 - 1.335.1 Available under license
- 1.336 dissect 6.8.1**
- 1.337 twilio 7.11.0**
- 1.338 javax-el-api 3.0.0**
 - 1.338.1 Available under license
- 1.339 subzero core 0.9**
- 1.340 netty-resolver-dns 4.1.38**
- 1.341 perl-parent 0.225-244.el7**
- 1.342 tomcat-embed-el 9.0.22**
 - 1.342.1 Available under license
- 1.343 xml-utils 1.2.20**
 - 1.343.1 Available under license
- 1.344 commons-csv 1.5**
 - 1.344.1 Available under license
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- 1.346 activemq-broker 5.15.9**
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1.3 snake-yaml 1.23

1.4 opensaml-saml-impl 3.3.0

1.5 json-simple 2.3.0

1.6 libjpeg 1.2.90 8.el7

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The Independent JPEG Group's JPEG software

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=====

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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
rdjpgcom, and wjjpgcom.

*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderrules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

=====

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability;

for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has

been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

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REFERENCES

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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead;

it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from [ftp.sgi.com](ftp://ftp.sgi.com) or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

ARCHIVE LOCATIONS

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The "official" archive site for this software is [ftp.uu.net](ftp://ftp.uu.net) (Internet address 192.48.96.9). The most recent released version can always be found

there in directory graphics/jpeg. This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the <ftp.uu.net> release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>. Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it

is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.7 pfl-asm 4.0.1

1.8 taglibs-standard 1.2.5

1.8.1 Available under license :

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1.9 vertx-web 3.6.3

1.10 netty-buffer 4.1.38

1.11 chkconfig 1.7.4-1.el7

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1.13 tomcat-servlet-api 9.0.22

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- javaee_6.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd

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1.14 tomcat-util-scan 9.0.22

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Glyphlist (<http://www.adobe.com/devnet/opentype/archives/glyph.html>)

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Woodstox is an XML-parser that allows parsing of XML documents in so-called
pull mode (aka "pull parsing").

It specifically implements StAX 1.0 API:

<http://www.jcp.org/en/jsr/detail?id=173>

which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>).

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Byte Buddy is a code generation and manipulation library for creating and modifying Java classes during the runtime of a Java application and without the help of a compiler.

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```
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```

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```

```
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

```
That's all there is to it!
# about.md file
```

```
## About This Content
```

```
May 22, 2015
```

```
### License
```

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April 9, 2014

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VERSION: 2.1 PoliMorf
BUILD: 2016-02-13 19:37:50+01:00
GIT: 6e63b53

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<settings default="Apache Software Foundation">

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  <element module="All" copyright="Apache Software Foundation" />
</module2copyright>
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  <option name="prefixLines" value="false" />
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</LanguageOptions>
<LanguageOptions name="JSP">
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  <option name="prefixLines" value="false" />
</LanguageOptions>
<LanguageOptions name="JSPX">
  <option name="fileTypeOverride" value="3" />
  <option name="prefixLines" value="false" />
</LanguageOptions>
<LanguageOptions name="XML">
  <option name="fileTypeOverride" value="3" />
  <option name="prefixLines" value="false" />
</LanguageOptions>
</settings>
</component>
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David Megginson, david@megginson.com
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Janino - An embedded Java[™] compiler

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```

You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the `_source_`, and the name of the copy is the `_destination_`. In ``schema.xml``, it's very simple to make copies of fields:

```
[source,xml]
```

```
----
<copyField source="cat" dest="text" maxChars="30000" />
----
```

In this example, we want Solr to copy the ``cat`` field to a field named ``text``. Fields are copied before [understanding-analyzers-tokenizers-and-filters.adoc#understanding-analyzers-tokenizers-and-filters,analysis](#) is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the ``text`` destination field has data of its own in the input documents, the contents of the ``cat`` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as ``multivalued="true"``` if they will ultimately get multiple values (either from a multivalued source or from multiple ``copyField`` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, ``title``, ``author``, ``keywords``, and ``body`` may all be fields that should be searched by default, with copy field rules for each field to copy to a ``catchall`` field (for example, it could be named anything). Later you can set a rule in ``solrconfig.xml`` to search the ``catchall`` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The ``maxChars`` parameter, an ``int`` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of ``copyField`` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern ``*_t`` to the text field.:

```
[source,xml]
----
<copyField source="*_t" dest="text" maxChars="25000" />
----
```

[IMPORTANT]

=====

The ``copyField`` command can use a wildcard (*) character in the ``dest`` parameter only if the ``source`` parameter contains one as well. ``copyField`` uses the matching glob from the source field for the ``dest`` field name into which the source content is copied.

=====

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., `_you cannot_` copy from ``here`` to ``there`` and then from ``there`` to ``elsewhere``. However, the same source field can be copied to multiple destination fields:

```
[source,xml]
----
```

<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>

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*/

```
package org.apache.solr.security;
```

```
import java.util.Collection;  
import java.util.Collections;  
import java.util.HashSet;  
import java.util.LinkedHashMap;  
import java.util.List;  
import java.util.Map;  
import java.util.Set;  
import java.util.function.Function;  
import java.util.regex.Pattern;  
import java.util.stream.Collectors;
```

```
import com.google.common.collect.ImmutableSet;  
import org.apache.solr.common.SolrException;  
import org.apache.solr.common.util.Utls;
```

```
import static java.util.Collections.singleton;  
import static java.util.Collections.singletonList;  
import static org.apache.solr.common.params.CommonParams.NAME;
```

```
class Permission {  
    String name;  
    Set<String> path, role, collections, method;  
    Map<String, Function<String[], Boolean>> params;  
    PermissionNameProvider.Name wellknownName;  
    Map originalConfig;
```

```
    private Permission() {  
    }  
}
```

```
    static Permission load(Map m) {  
        Permission p = new Permission();  
        p.originalConfig = new LinkedHashMap<>(m);  
        String name = (String) m.get(NAME);  
        if (!m.containsKey("role")) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, "role not
```

```

specified");
    p.role = readValueAsSet(m, "role");
    if (PermissionNameProvider.Name.get(name) != null) {
        p.wellknownName = PermissionNameProvider.Name.get(name);
        HashSet<String> disAllowed = new HashSet<>(knownKeys);
        disAllowed.remove("role");//these are the only
        disAllowed.remove(NAME);//allowed keys for well-known permissions
        disAllowed.remove("collection");//allowed keys for well-known permissions
        disAllowed.remove("index");
        for (String s : disAllowed) {
            if (m.containsKey(s))
                throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, s + " is not a valid key for the
permission : " + name);
        }

    }
    p.name = name;
    p.path = readSetSmart(name, m, "path");
    p.collections = readSetSmart(name, m, "collection");
    p.method = readSetSmart(name, m, "method");
    Map<String, Object> paramRules = (Map<String, Object>) m.get("params");
    if (paramRules != null) {
        p.params = new LinkedHashMap<>();
        for (Map.Entry<String, Object> e : paramRules.entrySet()) {
            if (e.getValue() == null) {
                p.params.put(e.getKey(), (String[] val) -> val == null);
            } else {
                List<String> patternStrs = e.getValue() instanceof List ?
                    (List) e.getValue() :
                    singletonList(e.getValue().toString());
                List patterns = patternStrs.stream()
                    .map(it -> it.startsWith("REGEX:") ?
                        Pattern.compile(String.valueOf(it.substring("REGEX:".length())))
                        : it)
                    .collect(Collectors.toList());
                p.params.put(e.getKey(), val -> {
                    if (val == null) return false;
                    for (Object pattern : patterns) {
                        for (String s : val) {
                            if (pattern instanceof String) {
                                if (pattern.equals(s)) return true;
                            } else if (pattern instanceof Pattern) {
                                if (((Pattern) pattern).matcher(s).find()) return true;
                            }
                        }
                    }
                    return false;
                });
            }
        }
    }
}

```

```

    }
    }
    }
    return p;
}

/**
 * This checks for the defaults available other rules for the keys
 */
private static Set<String> readSetSmart(String permissionName, Map m, String key) {
    if(PermissionNameProvider.values.containsKey(permissionName) && !m.containsKey(key) &&
"collection".equals(key)) {
        return PermissionNameProvider.Name.get(permissionName).collName;
    }
    Set<String> set = readValueAsSet(m, key);
    if ("method".equals(key)) {
        if (set != null) {
            for (String s : set) if (!HTTP_METHODS.contains(s)) return null;
        }
        return set;
    }
    return set == null ? singleton(null) : set;
}

/**
 * read a key value as a set. if the value is a single string ,
 * return a singleton set
 *
 * @param m the map from which to lookup
 * @param key the key with which to do lookup
 */
static Set<String> readValueAsSet(Map m, String key) {
    Set<String> result = new HashSet<>();
    Object val = m.get(key);
    if (val == null) {
        if("collection".equals(key)) {
            //for collection collection: null means a core admin/ collection admin request
            // otherwise it means a request where collection name is ignored
            return m.containsKey(key) ? singleton(null) : singleton("*");
        }
        return null;
    }
    if (val instanceof Collection) {
        Collection list = (Collection) val;
        for (Object o : list) result.add(String.valueOf(o));
    } else if (val instanceof String) {
        result.add((String) val);
    } else {
        throw new RuntimeException("Bad value for : " + key);
    }
}

```

```
}
return result.isEmpty() ? null : Collections.unmodifiableSet(result);
}

@Override
public String toString() {
return Utils.toJSONString(originalConfig);
}

static final Set<String> knownKeys = ImmutableSet.of("collection", "role", "params", "path", "method",
NAME,"index");
public static final Set<String> HTTP_METHODS = ImmutableSet.of("GET", "POST", "DELETE", "PUT",
"HEAD");

}
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```

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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

<http://wiki.apache.org/solr/CommitterInfo>
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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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XZ for Java 1.0 (2011-10-22)

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The code for the t-digest was originally authored by Ted Dunning

A number of small but very helpful changes have been contributed by Adrien Grand (<https://github.com/jpountz>)

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Jdom-contrib version 1.1.3

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN">  
<html><head>
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```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
```

```
<title>Eclipse.org Software User Agreement</title>
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</head><body lang="EN-US" link="blue" vlink="purple">
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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
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noggit

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The End

1.24 perl-digest-md5 2.52 3.el7

1.25 netty-codec 4.1.30

1.26 perl-storable 2.45 3.el7

1.27 commons-validator 1.6

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Other contributors include:

- * Jon Hartlaub (first versions of streaming reader/writer; unit tests)
- * Cedrik Lime: parallel LZF implementation

Various community members have contributed bug reports, and suggested minor fixes; these can be found from file "VERSION.txt" in SCM.

1.36 spring-beans 5.1.9.RELEASE

1.37 perl-net-daemon 0.48 5.el7

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1.44 activemq-mqtt 5.15.9

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1.45 copy-jdk-configs 3.3-10.el7_5

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1.46 analysis-common 6.8.1

1.47 perl-compress-raw-bzip2 2.061 3.el7

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1.48 httpcore-nio 4.4.5

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1.51 jackson-dataformat-cbor 2.8.11

1.52 vertx-jwt 3.8.0

1.53 java-support 7.3.0

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1.60 tomcat-jni 9.0.22

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1.61 libsm 1.2.2-2.el7

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JUnit

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- >>> Apache HttpCore (org.apache.httpcomponents:httpcore)
- >>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
- >>> Plexus Security Dispatcher Component (org.sonatype.plexus:plexus-sec-dispatcher)
- >>> Apache Commons Logging (commons-logging:commons-logging)
- >>> Apache Groovy (org.codehaus.groovy:groovy)
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- >>> Maven Model (org.apache.maven:maven-model)
- >>> Maven Model Builder (org.apache.maven:maven-model-builder)
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- >>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
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- >>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
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1.84 netty-transport 4.1.32

1.85 slf4j 1.6.2

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1.86 pfl-dynamic 4.0.1

1.87 camel-jms 2.19.5

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Sax (0.2)

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testng (6.14.2)

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* Project: <https://testng.org/doc/index.html>

* Source: <https://github.com/cbeust/testng>

wagon-http-lightweight (3.0.0)

* License: Pending

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1.118 tomcat-native 1.2.23 0

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1.119 joda-time 2.10.1

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The End

1.129 netty-codec 4.1.32

1.130 ttmkfdir 3.0.9-42.e17

1.130.1 Available under license :

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1.134 slf4j 1.7.25

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    <title>SLF4J License</title>
    <link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
  </head>
  <body>
    <script type="text/javascript">prefix=";</script>

    <script src="templates/header.js" type="text/javascript"></script>
    <div id="left">
      <script src="templates/left.js" type="text/javascript"></script>
    </div>
    <div id="right">
      <script src="templates/right.js" type="text/javascript"></script>
    </div>

    <div id="content">
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1.135 aspect-j 1.9.4

1.136 activemq-shiro 5.15.9

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1.139 axis2-xmlbeans 1.7.4

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1.140 perl 5.16.3 294.el7_6

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

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated_by: 'Module::Build version 0.3608'

license: gpl
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: 1.4
name: Module-Build
resources:
MailingList: <mailto:module-build@perl.org>
license: <http://dev.perl.org/licenses/>
repository: <http://github.com/dagolden/module-build/>
version: 3
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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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

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

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the
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commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

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

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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The End

```
use strict;
use lib 't/lib';
use MBTest;
use DistGen;
```

```
plan 'no_plan';
```

```
# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');
```

```
#-----#
# Create test distribution
#-----#
```

```
{
my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl'
);
```

```
$dist->regen;
$dist->chdir_in;
```

```
my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid"
);
```

```
my $meta = $mb->get_metadata( fatal => 0 );
```

```
is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
    "META license URL is correct"
);
```

```
}
```

```
{
my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
```

```

);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
    "license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
    "META license URL is correct"
);

}

```

Test with alpha number

vim:ts=2:sw=2:et:sta:sts=2

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modify it under the same terms as Perl itself.

From f5488561bdaab57380bf07e8e66778503a41aca3 Mon Sep 17 00:00:00 2001

From: Father Chrysostomos <sprout@cpan.org>

Date: Sun, 23 Sep 2012 12:42:15 -0700

Subject: [PATCH] =?UTF-8?q?Don=E2=80=99t=20leak=20if=20hh=20copying=20dies?=>

MIME-Version: 1.0

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

Content-Transfer-Encoding: 8bit

When %^H is copied on entering a new scope, if it happens to have been
tied it can die. This was resulting in leaks, because no protections
were added to handle that case.

The two things that were leaking were the new hash in hv_copy_hints_hv
and the new value (for an element) in newSVsv.

By fixing newSVsv itself, this also fixes any potential leaks when
other pieces of code call newSVsv on explosive values.

Petr Pizar: Ported to 5.16.3

hv.c | 6++++++

sv.c | 7++++---

t/op/svleak.t | 22+++++

3 files changed, 31 insertions(+), 4 deletions(-)

```

diff --git a/hv.c b/hv.c
index 3c35341..29d6352 100644
--- a/hv.c
+++ b/hv.c
@@ -1440,6 +1440,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
const I32 riter = HvRITER_get(ohv);
HE * const eiter = HvEITER_get(ohv);

+ ENTER;
+ SAVEFREESV(hv);
+
while (hv_max && hv_max + 1 >= hv_fill * 2)
    hv_max = hv_max / 2;
HvMAX(hv) = hv_max;
@@ -1461,6 +1464,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
}
HvRITER_set(ohv, riter);
HvEITER_set(ohv, eiter);
+
+ SvREFCNT_inc_simple_void_NN(hv);
+ LEAVE;
}
hv_magic(hv, NULL, PERL_MAGIC_hints);
return hv;
diff --git a/sv.c b/sv.c
index a43feac..597d71b 100644
--- a/sv.c
+++ b/sv.c
@@ -8764,11 +8764,12 @@ Perl_newSVsv(pTHX_ register SV *const old)
Perl_ck_warner_d(aTHX_ packWARN(WARN_INTERNAL), "semi-panic: attempt to dup freed string");
return NULL;
}
+ /* Do this here, otherwise we leak the new SV if this croaks. */
+ SvGETMAGIC(old);
new_SV(sv);
- /* SV_GMAGIC is the default for sv_setv()
- SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
+ /* SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
with SvTEMP_off and SvTEMP_on round a call to sv_setsv. */
- sv_setsv_flags(sv, old, SV_GMAGIC | SV_NOSTEAL);
+ sv_setsv_flags(sv, old, SV_NOSTEAL);
return sv;
}

diff --git a/t/op/svleak.t b/t/op/svleak.t
index 2f09af3..011c184 100644
--- a/t/op/svleak.t

```

```

+++ b/t/op/svleak.t
@@ -13,7 +13,7 @@ BEGIN {
    or skip_all("XS::APItest not available");
}

-plan tests => 23;
+plan tests => 24;

# run some code N times. If the number of SVs at the end of loop N is
# greater than (N-1)*delta at the end of loop 1, we've got a leak
@@ -176,3 +176,23 @@ @ @ leak(2, 0, sub {
    each %$h;
    undef $h;
}, 'tied hash iteration does not leak');
+
+# [perl #107000]
+package hhtie {
+ sub TIEHASH { bless [] }
+ sub STORE { $_[0][0]{$_[1]} = $_[2] }
+ sub FETCH { die if $explosive; $_[0][0]{$_[1]} }
+ sub FIRSTKEY { keys %{$_[0][0]}; each %{$_[0][0]} }
+ sub NEXTKEY { each %{$_[0][0]} }
+}
+leak(2,!!$Config{mad}, sub {
+ eval q`
+ BEGIN {
+ $hhtie::explosive = 0;
+ tie %^H, hhtie;
+ $^H{foo} = bar;
+ $hhtie::explosive = 1;
+ }
+ { 1; }
+ `;
+}, 'hint-hash copying does not leak');
--
1.8.1.4

```

1.141 perl-time-hires 1.9725-3.e17

1.142 xalan 2.7.2

1.142.1 Available under license :

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22:49:13 mrglavas Exp \$

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1.150 commons-daemon 1.1.0

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1.151 spring-aop 5.1.9

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1.159 lucene-queryparser 7.7.0

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- >>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
- >>> ASM 4.0 (org.ow2.asm:asm)

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- >>> Apache HttpCore (org.apache.httpcomponents:httpcore)
- >>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
- >>> Plexus Security Dispatcher Component (org.sonatype.plexus:plexus-sec-dispatcher)
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- >>> Apache Groovy (org.codehaus.groovy:groovy)
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- >>> Maven Model (org.apache.maven:maven-model)
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- >>> Maven Settings (org.apache.maven:maven-settings)
- >>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
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>>> org.apache.maven:maven-repository-metadata
>>> org.apache.maven:maven-settings
>>> org.apache.maven:maven-settings-builder
>>> org.codehaus.plexus:plexus-component-annotations
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The full snowball package is available from <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) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
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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`
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analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
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1.172 trilead-ssh 1.0.0-build220

1.173 xorg-x11-font-utils 7.5 21.el7

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1.174 hibernate-validator 6.0.17

1.175 commons-codec 1.10

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1.176 activemq-jdbc-store 5.15.9

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1.177 vertx-auth-jwt 3.8.0

1.178 axis 1.7.4

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1.179 apr 1.5.2

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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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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.
- * Derived from UNIX V7, Copyright(C) Caldera International Inc.
- *

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1.180 spring-boot 2.1.7

1.181 dom4j 2.1.1

1.182 aspect-j 1.9.3

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1.183 error-prone-annotations 2.3.2

1.184 jaxb-core 2.3.0

1.185 commons-compress 1.18

1.186 elasticsearch-rest-client-sniffer 6.8.1

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1.187 super-csv 2.4.0

1.188 jackson 2.8.11

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1.189 json-java 20180130

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1.190 metrics 3.1.2

1.191 httpcomponents-core 4.4.5

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1.195 perl-threads-shared 1.43 6.e17

1.196 byte-buddy-dep 1.9.16

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1.197 aws-java-sdk-cloudwatch 1.11.511

1.198 beanutils 1.9.2

1.198.1 Available under license :

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1.199 guava 28.0

1.200 bean-validation-api 2.0.1

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```

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

That's all there is to it!

```
<?xml version="1.0" encoding="UTF-8"?>  
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD//EN"  
"https://hibernate.org/dtd/hibernate-mapping-3.0.dtd">
```

```
<hibernate-mapping auto-import="true" default-lazy="false">
```

```
<class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
  <id name="id" column="id">
    <generator class="identity" />
  </id>
  <property name="number" column="license_number" />
</class>
```

```
</hibernate-mapping>
```

Spring Framework \${version}

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```

```
*/
```

```
package org.springframework.test.context.junit4.orm.domain;
```

```
/**
```

```
* DriversLicense POJO.
```

```
*
```

```
* @author Sam Brannen
```

```
* @since 3.0
```

```
*/
```

```
public class DriversLicense {
```

```
    private Long id;
```

```

private Long number;

public DriversLicense() {
}

public DriversLicense(Long number) {
    this(null, number);
}

public DriversLicense(Long id, Long number) {
    this.id = id;
    this.number = number;
}

public Long getId() {
    return this.id;
}

protected void setId(Long id) {
    this.id = id;
}

public Long getNumber() {
    return this.number;
}

public void setNumber(Long number) {
    this.number = number;
}

}
/*
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 */

```

```
package org.springframework.orm.jpa.domain;
```

```
import javax.persistence.Entity;  
import javax.persistence.Id;  
import javax.persistence.Table;
```

```
@Entity  
@Table(name="DRIVERS_LICENSE")  
public class DriversLicense {  
  
    @Id  
    private int id;  
  
    private String serial_number;  
  
    protected DriversLicense() {  
    }  
  
    public DriversLicense(String serialNumber) {  
        this.serial_number = serialNumber;  
    }  
  
    public String getSerialNumber() {  
        return serial_number;  
    }  
  
}
```

1.202 libfontenc 1.1.3-3.el7

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1.203 xmlschema 2.2.1

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1.204 perl-time-hires 1.9725 3.e17

1.205 byte-buddy 1.9.16

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1.206 tomcat-i18n-fr 9.0.22

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1.207 commons-codec 1.10

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1.211 tomcat-catalina-ha 9.0.22

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1.212 beanutils 1.8.3

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1.213 gmbal 4.0.0

1.214 bcpkix-jdk15on 1.61-logstash.ph

1.215 jcl-over-slf4j 1.7.25

1.216 apache-felix-framework 4.4.0

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Specification Lead: Oracle America, Inc. ("Specification Lead")

Release: 20 March 2013

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Protocol Buffers - Google's data interchange format

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1.238 spring-amqp 2.1.8

1.239 elasticsearch-x-content 6.8.1

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1.241 snake-yaml 1.17

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1.243 pac4j-core 2.0.0

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Zstd-jni: JNI bindings to Zstd Library

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1.245 amqp-client 5.6.0

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```

```
package com.rabbitmq.client;
```

```
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
```

```
/**
 * A representation of network addresses, i.e. host/port pairs,
 * with some utility functions for parsing address strings.
 */
public class Address {
    private static final Logger LOGGER = LoggerFactory.getLogger(Address.class);

    /**
     * host name
     */
    private final String _host;

    /**
     * port number
     */

```

```

private final int _port;

/**
 * Construct an address from a host name and port number.
 *
 * @param host the host name
 * @param port the port number
 */
public Address(String host, int port) {
    _host = host;
    _port = port;
}

/**
 * Construct an address from a host.
 *
 * @param host the host name
 */
public Address(String host) {
    _host = host;
    _port = ConnectionFactory.USE_DEFAULT_PORT;
}

/**
 * Get the host name
 *
 * @return the host name
 */
public String getHost() {
    return _host;
}

/**
 * Get the port number
 *
 * @return the port number
 */
public int getPort() {
    return _port;
}

/**
 * Extracts hostname or IP address from a string containing a hostname, IP address,
 * hostname:port pair or IP address:port pair.
 * Note that IPv6 addresses must be quoted with square brackets, e.g. [2001:db8:85a3:8d3:1319:8a2e:370:7348].
 *
 * @param addressString the string to extract hostname from
 * @return the hostname or IP address

```

```

*/
public static String parseHost(String addressString) {
    // we need to handle cases such as [2001:db8:85a3:8d3:1319:8a2e:370:7348]:5671
    int lastColon = addressString.lastIndexOf(":");
    int lastClosingSquareBracket = addressString.lastIndexOf("]");
    if (lastClosingSquareBracket == -1) {
        String[] parts = addressString.split(":");
        if (parts.length > 2) {
            String msg = "Address " +
                addressString +
                " seems to contain an unquoted IPv6 address. Make sure you quote IPv6 addresses like so:
[2001:db8:85a3:8d3:1319:8a2e:370:7348]";
            LOGGER.error(msg);
            throw new IllegalArgumentException(msg);
        }

        return parts[0];
    }

    if (lastClosingSquareBracket < lastColon) {
        // there is a port
        return addressString.substring(0, lastColon);
    } else {
        return addressString;
    }
}

public static int parsePort(String addressString) {
    // we need to handle cases such as [2001:db8:85a3:8d3:1319:8a2e:370:7348]:5671
    int lastColon = addressString.lastIndexOf(":");
    int lastClosingSquareBracket = addressString.lastIndexOf("]");
    if (lastClosingSquareBracket == -1) {
        String[] parts = addressString.split(":");
        if (parts.length > 2) {
            String msg = "Address " +
                addressString +
                " seems to contain an unquoted IPv6 address. Make sure you quote IPv6 addresses like so:
[2001:db8:85a3:8d3:1319:8a2e:370:7348]";
            LOGGER.error(msg);
            throw new IllegalArgumentException(msg);
        }

        if (parts.length == 2) {
            return Integer.parseInt(parts[1]);
        }

        return ConnectionFactory.USE_DEFAULT_PORT;
    }
}

```

```

    if (lastClosingSquareBracket < lastColon) {
        // there is a port
        return Integer.parseInt(addressString.substring(lastColon + 1));
    }

    return ConnectionFactory.USE_DEFAULT_PORT;
}

public static boolean isHostWithPort(String addressString) {
    // we need to handle cases such as [2001:db8:85a3:8d3:1319:8a2e:370:7348]:5671
    int lastColon = addressString.lastIndexOf(":");
    int lastClosingSquareBracket = addressString.lastIndexOf("]");

    if (lastClosingSquareBracket == -1) {
        return addressString.contains(":");
    } else {
        return lastClosingSquareBracket < lastColon;
    }
}

/**
 * Factory method: takes a formatted addressString string as construction parameter
 * @param addressString an addressString of the form "host[:port]".
 * @return an {@link Address} from the given data
 */
public static Address parseAddress(String addressString) {
    if (isHostWithPort(addressString)) {
        return new Address(parseHost(addressString), parsePort(addressString));
    } else {
        return new Address(addressString);
    }
}

/**
 * Array-based factory method: takes an array of formatted address strings as construction parameter
 * @param addresses array of strings of form "host[:port],..."
 * @return a list of {@link Address} values
 */
public static Address[] parseAddresses(String addresses) {
    String[] addrs = addresses.split(" *, *");
    Address[] res = new Address[addrs.length];
    for (int i = 0; i < addrs.length; i++) {
        res[i] = Address.parseAddress(addrs[i]);
    }
    return res;
}

```

```

@Override public int hashCode() {
    return 31 * _host.hashCode() + _port;
}

@Override public boolean equals(Object obj) {
    if(this == obj)
        return true;
    if (obj == null || getClass() != obj.getClass())
        return false;
    final Address addr = (Address)obj;
    return _host.equals(addr._host) && _port == addr._port;
}

@Override public String toString() {
    return _port == -1 ? _host : _host + ":" + _port;
}

}

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package com.rabbitmq.client.impl;

import java.util.ArrayList;
import java.util.List;

import com.rabbitmq.client.ShutdownListener;
import com.rabbitmq.client.ShutdownNotifier;
import com.rabbitmq.client.ShutdownSignalException;

/**
 * A class that manages {@link ShutdownListener}s and remembers the reason for a shutdown. Both
 * {@link com.rabbitmq.client.Channel Channel}s and {@link com.rabbitmq.client.Connection
 * Connection}s have shutdown listeners.
 */

```

```

public class ShutdownNotifierComponent implements ShutdownNotifier {

    /** Monitor for shutdown listeners and shutdownCause */
    private final Object monitor = new Object();

    /** List of all shutdown listeners associated with the component */
    private final List<ShutdownListener> shutdownListeners = new ArrayList<ShutdownListener>();

    /**
     * When this value is null, the component is in an "open"
     * state. When non-null, the component is in "closed" state, and
     * this value indicates the circumstances of the shutdown.
     */
    private volatile ShutdownSignalException shutdownCause = null;

    @Override
    public void addShutdownListener(ShutdownListener listener)
    {
        ShutdownSignalException sse = null;
        synchronized(this.monitor) {
            sse = this.shutdownCause;
            this.shutdownListeners.add(listener);
        }
        if (sse != null) // closed
            listener.shutdownCompleted(sse);
    }

    @Override
    public ShutdownSignalException getCloseReason() {
        synchronized(this.monitor) {
            return this.shutdownCause;
        }
    }

    @Override
    public void notifyListeners()
    {
        ShutdownSignalException sse = null;
        ShutdownListener[] sdls = null;
        synchronized(this.monitor) {
            sdls = this.shutdownListeners
                .toArray(new ShutdownListener[this.shutdownListeners.size()]);
            sse = this.shutdownCause;
        }
        for (ShutdownListener l: sdls) {
            try {
                l.shutdownCompleted(sse);
            } catch (Exception e) {
            }
        }
    }
}

```

```

        // FIXME: proper logging
    }
}

@Override
public void removeShutdownListener(ShutdownListener listener)
{
    synchronized(this.monitor) {
        this.shutdownListeners.remove(listener);
    }
}

@Override
public boolean isOpen() {
    synchronized(this.monitor) {
        return this.shutdownCause == null;
    }
}

/**
 * Internal: this is the means of registering shutdown.
 * @param sse the reason for the shutdown
 * @return <code>true</code> if the component is open; <code>>false</code> otherwise.
 */
public boolean setShutdownCauseIfOpen(ShutdownSignalException sse) {
    synchronized (this.monitor) {
        if (isOpen()) {
            this.shutdownCause = sse;
            return true;
        }
        return false;
    }
}
}

```

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Version 1.1

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1.246 om-aspects 1.2.20

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1.252 netty-codec-socks 4.1.38

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- * file name: UBiDiProps.java
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- * tab size: 8 (not used)
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- *
- * created on: 2005jan16
- * created by: Markus W. Scherer
- *
- * Low-level Unicode bidi/shaping properties access.
- * Java port of ubidi_props.h/c.

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found at:

<http://oss.software.ibm.com/cvs/icu/icu/source/data/locales/vi.txt?rev=1.38>

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`Replaceable` is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the `Replaceable` API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the **bold** font" has range (4, 8) replaced with "strong", then it becomes "the **strong** font".

`Replaceable` specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset `start..limit-1`. That is, the start offset is inclusive, and the limit offset is exclusive.

`Replaceable` also includes API to access characters in the string: `length()`, `charAt()`, `char32At()`, and `extractBetween()`.

For a subclass to support metadata, typical behavior of `replace()` is the following:

- Set the metadata of the new text to the metadata of the first character replaced
- If no characters are replaced, use the metadata of the previous character
- If there is no previous character (i.e. `start == 0`), use the following character
- If there is no following character (i.e. the replaceable was empty), use default metadata
- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu

@stable ICU 2.0

<code>ReplaceableString</code> is an adapter class that implements the
<code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p>Note: This class does not support attributes and is not
intended for general use. Most clients will need to implement
{ @link Replaceable } in their text representation class.

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@see Replaceable

@author Alan Liu

@stable ICU 2.0

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*/

```
package java.security;
```

```
import java.io.Serializable;
```

```
/**
```

```
* Legacy security code; do not use.
```

```
*/
```

```
public abstract class Permission implements Guard, Serializable {  
    public Permission(String name) { }
```

```
    public final String getName() { return null; }
```

```
    public void checkGuard(Object obj) throws SecurityException { }
```

```
    public PermissionCollection newPermissionCollection() {  
        return new AllPermissionCollection();  
    }
```

```
    public abstract String getActions();
```

```
    public abstract boolean implies(Permission permission);  
}
```

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1.255 tomcat-websocket-api 9.0.22

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```

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```
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```

```
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Ty Coon, President of Vice
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```
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```

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1.258 saaj 1.5.1

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- * Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

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* Project: <https://commons.apache.org/proper/commons-logging/>

* Source:

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* Project:

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* License: Oasis Style

* Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

* Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

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* License: Pending

* Project: <https://github.com/FasterXML/stax2-api>

* Source:

<http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

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* Project: <https://testng.org/doc/index.html>

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* Project: <http://docs.oasis-open.org/ws-tx/wscor/2006/06>

* Source:

<http://docs.oasis-open.org/ws-tx/wscor/2006/06/wstx-wscor-1.1-schema-200701.xsd>

wrm Version: 2005/02 (n/a)

* License: Oasis (Custom)

* Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

* Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wrm.xsd>; <http://schemas.xmlsoap.org/ws/2005/02/rm/wrm-policy.xsd>

wrm.xsd (1.2)

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* Source:

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1.259 perl-digest 1.17 245.e17

1.260 vertx-bridge-common 3.8.0

1.261 zstd-jni 1.3.8 1

1.262 ojdbc 11.2.0

1.263 aws-java-sdk-s3 1.11.511

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 */
package com.amazonaws.services.s3.model;

/**
 * Specifies constants defining an access permission,
 * as granted to grantees in an
 * {@link AccessControlList}. Only a limited set of permission are available;
 * each one is represented as a value in this enumeration.
 */
public enum Permission {

    /**
     * Provides READ, WRITE, READ_ACP, and WRITE_ACP permissions.
     * <p>
     * It does not convey additional rights and is provided only for
```

```

* convenience.
* </p>
*/
FullControl("FULL_CONTROL", "x-amz-grant-full-control"),

/**
* Grants permission to list the bucket when applied to a bucket.
* Grants permission to read object data
* and/or metadata when applied to an object.
*/
Read("READ", "x-amz-grant-read"),

/**
* Grants permission to create, overwrite, and
* delete any objects in the bucket.
* <p>
* This permission is not supported for objects.
* </p>
*/
Write("WRITE", "x-amz-grant-write"),

/**
* Grants permission to read the ACL for the applicable bucket or object.
* <p>
* The owner of a bucket or object always implicitly has this permission.
* </p>
*/
ReadAcp("READ_ACP", "x-amz-grant-read-acp"),

/**
* Gives permission to overwrite the ACP for the applicable bucket or
* object.
* <p>
* The owner of a bucket or object always has this permission implicitly.
* </p>
* <p>
* Granting this permission is equivalent to granting <code>FULL_CONTROL</code>because
* the grant recipient can make any changes to the ACP.
* </p>
*/
WriteAcp("WRITE_ACP", "x-amz-grant-write-acp");

private String permissionString;
private String headerName;

private Permission(String permissionString, String headerName) {
    this.permissionString = permissionString;
    this.headerName = headerName;
}

```

```

}

/**
 * Returns the name of the header used to grant this permission.
 */
public String getHeaderName() {
    return headerName;
}

/**
 * Gets the string representation of this permission object as defined by
 * Amazon S3, eg. <code>FULL_CONTROL</code>.
 *
 * @return The string representation of this permission object as defined by
 *         Amazon S3, eg. <code>FULL_CONTROL</code>.
 */
public String toString() {
    return permissionString;
}

/**
 * Returns the {@link Permission} enumeration value representing the specified Amazon
 * S3 Region ID string. If specified string doesn't map to a known Amazon S3
 * Region, returns <code>null</code>.
 *
 * @param str
 *        A string representation of an Amazon S3 permission, eg.
 *        <code>FULL_CONTROL</code>
 *
 * @return The {@link Permission} object represented by the given permission string,
 *         Returns <code>null</code> if the string isn't a valid representation
 *         of an Amazon S3
 *         permission.
 */
public static Permission parsePermission(String str) {
    for (Permission permission : Permission.values()) {
        if (permission.permissionString.equals(str)) {
            return permission;
        }
    }

    return null;
}
}

```

1.264 netty-transport 4.1.38

1.265 rhino 1.7R4

1.266 kryo-shaded 4.0.2

1.267 jooq-meta 3.11.11

1.268 maxmind-db 1.2.2

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1.269 jaxb 2.2.11

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```

```
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```

```
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```
</head>
```

```
<body>
```

```
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1.270 expat 1.95.7

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1.271 spring-boot-autoconfigure 2.1.7

1.272 tomcat-i18n-ko 9.0.22

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1.273 jooq 3.11.11

1.274 lanterna 2.1.3

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1.275 opensaml-messaging-impl 3.3.0

1.276 activation 1.1

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1.277 gcc 4.8.5 39.el7

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* m4/ax_func_which_gethostbyname_r.m4

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```
/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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```

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```

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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
printf (FILE, "\t.space "HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
( fputs (".comm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
( fputs (".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \

```

```

fprintf ((FILE), "%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
( fputs (".lcomm ", (FILE)), \
  assemble_name ((FILE), (NAME)), \
  fprintf ((FILE), "%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
sprintf ((BUF), "%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0
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@settitle GNU Free Documentation License

@c man begin SEEALSO

gpl(7), fsf-funding(7).

@c man end
@c man begin COPYRIGHT
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@c This file is intended to be included within another document,
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@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

@unnumbered GNU Free Documentation License

@end ifnohtml

@end ifset

@c man begin DESCRIPTION

@ifclear gfdlhtml

@node GNU Free Documentation License

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

```
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```

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```
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#
```

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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
```

```

def __init__(self):
    self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ': ' + string
        sys.stderr.write (string + '\n')
        self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltsugar.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',

```

```

'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
])

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists (base + '.def')
            and os.path.exists (base + '.tpl')):
            return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

```

```

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

    # Characters in a range of years. Include '.' for typos.
    ranges = '[0-9](?:[-0-9.,\s]|\s+and\s+)*[0-9]'

    # Non-whitespace characters in a copyright holder's name.
    name = '[\w.,-]'

    # Matches one year.
    self.year_re = re.compile ('[0-9]+')

    # Matches part of a year or copyright holder.
    self.continuation_re = re.compile (ranges + '|' + name)

    # Matches a full copyright notice:
    self.copyright_re = re.compile (
        # 1: 'Copyright (C)', etc.
        '([Cc]opyright'
        '|[Cc]opyright\s+\([Cc]\)'
        '|[Cc]opyright\s+%s'
        '|[Cc]opyright\s+&copy;'
        '|[Cc]opyright\s+@copyright{ }'
        '|@set\s+copyright[\w-]+)'

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\s*(?:' + ranges + ',?'
        '@value\{[^\{ }*\}\})\s*')

    # 3: 'by ', if used
    '(by\s+)?'

```

```

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texti).
>(' + name + '(?:\s?' + name + ')*?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
                                     re.IGNORECASE)
self.comment_re = re.compile('#+[*]+;+%+//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900

```

```

elif len (string) == 4:
    return year
raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):

```

```

orig_line = line
next_line = None
pathname = os.path.join (dir, filename)

intro = match.group (1)
if intro.startswith ('@set'):
    # Texinfo year variables should always be on one line
    after_years = line[match.end (2):].strip()
    if after_years != "":
        self.errors.report (pathname,
                             'trailing characters in @set: '
                             + after_years)
        return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,

```

```

        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
           + canon_form
           + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
       + ' ' + canon_form + self.separator
       + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith (('c')):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)

```

```

except OSError:
    pass
return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
with open (pathname, 'r') as file:
    prev = None
    for line in file:
        while line:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                    'unrecognised copyright: %s'
                                    % line.strip())
            lines.append (line)
            line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:

```

```

        if filter.skip_file (dir, filename):
            sys.stdout.write ('Skipping %s\n'
                             % os.path.join (dir, filename))
        else:
            self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
                          'Options:\n' % sys.argv[0])
        format = '%-15s %s\n'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('\nDirectories:\n')

        format = '%-25s'
        i = 0
        for (dir, filter) in self.dirs:
            i += 1
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '\n')
            else:
                sys.stdout.write (format % dir)
        sys.exit (0)

    def o_quilt (self, option):

```

```

self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, "")
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: '
                                        + chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#-----

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
        pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find ('gettext-') >= 0:
                return True

```

```

return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set ([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woened by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',

```

```

    ])

def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

def get_line_filter (self, dir, filename):
    if filename == 'NameDecoder.h':

```

```

        return re.compile ('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile ('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \\\(C\\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

```

```

    canon_fsf = 'Free Software Foundation, Inc.'
    self.add_package_author ('Free Software Foundation', canon_fsf)
    self.add_package_author ('Free Software Foundation.', canon_fsf)
    self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('The Free Software Foundation', canon_fsf)
    self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('Software Foundation, Inc.', canon_fsf)

    self.add_external_author ('ARM')
    self.add_external_author ('AdaCore')
    self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
    self.add_external_author ('Cavium Networks.')
    self.add_external_author ('Faraday Technology Corp.')
    self.add_external_author ('Florida State University')
    self.add_external_author ('Greg Colvin and Beman Dawes.')
    self.add_external_author ('Hewlett-Packard Company')
    self.add_external_author ('Information Technology Industry Council.')
    self.add_external_author ('James Theiler, Brian Gough')
    self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
    self.add_external_author ('National Research Council of Canada.')
    self.add_external_author ('Peter Dimov and Multi Media Ltd.')
    self.add_external_author ('Peter Dimov')
    self.add_external_author ('Pipeline Associates, Inc.')
    self.add_external_author ('Regents of the University of California.')
    self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
    self.add_external_author ('Silicon Graphics')
    self.add_external_author ('Stephen L. Moshier')
    self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
    self.add_external_author ('The Go Authors. All rights reserved.')
    self.add_external_author ('The Go Authors. All rights reserved.')
    self.add_external_author ('The Go Authors.')
    self.add_external_author ('The Regents of the University of California.')
    self.add_external_author ('Unicode, Inc.')
    self.add_external_author ('University of Toronto.')

```

```

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # Boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestSuiteFilter())

```

```

self.add_dir ('gnattools')
self.add_dir ('include')
self.add_dir ('libada')
self.add_dir ('libatomic')
self.add_dir ('libbacktrace')
self.add_dir ('libcpp', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libgfortran')
self.add_dir ('libgomp')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libjava', LibJavaFilter())
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'),
               TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

```

GCCcmdLine().main()

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Version 2, June 1991

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```
package java.security.acl;
```

```
/**
```

```
* This interface provides information about a permission that can be  
* granted. Note that this is not the same as the class  
* java.security.Permission.
```

```
*
```

```
* @version 0.0
```

```
*
```

```
* @author Aaron M. Renn (arenn@urbanophile.com)
```

```
*/
```

```
public interface Permission
```

```
{
```

```
/**
```

```
* This method tests whether or not a specified Permission  
* (passed as an Object) is the same as this permission.
```

```
*
```

```
* @param perm The permission to check for equality
```

```
*
```

```
* @return true if the specified permission is the same as this one, false otherwise
```

```
*/
```

```
boolean equals (Object perm);
```

```
/**
```

```
* This method returns this Permission as a String.
```

```
*
```

```
* @return A String representing this permission.
```

```
*/
```

```
String toString();
```

```
}
```

```
GCC RUNTIME LIBRARY EXCEPTION
```

Version 3.1, 31 March 2009

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@settitle GNU General Public License

@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007

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`@c man end`

`/* Permission.java -- The superclass for all permission objects
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`package java.security;`

```

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their
 * state after creation.
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 * @see Permissions
 * @see PermissionCollection
 * @since 1.1
 * @status updated to 1.4
 */
public abstract class Permission implements Guard, Serializable
{
    /**
     * Compatible with JDK 1.1+.
     */
    private static final long serialVersionUID = -563657022231596674L;

    /**
     * This is the name assigned to this permission object.
     *
     * @serial the name of the permission
     */
    private String name;

    /**
     * Create an instance with the specified name.

```

```

*
* @param name the permission name
*/
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.

```

```

*
* @return a hash value
*/
public abstract int hashCode();

/**
 * Get the name of this Permission.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this Permission
 * as a String. The string should be in canonical order, for
 * example, both new FilePermission(f, "write,read") and
 * new FilePermission(f, "read,write") have the action list
 * "read,write".
 *
 * @return the action list for this Permission
 */
public abstract String getActions();

/**
 * This method returns an empty PermissionCollection object
 * that can store permissions of this type, or null if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * implies.
 *
 * @return a new PermissionCollection
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a String representation of this
 * Permission object. This is in the format:
 * '(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'.
 *
 * @return this object as a String
 */

```

```

public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

```

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation

and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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</para>

<para>

To modify a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a modified version of the earlier work or a work based on the earlier work.

</para>

<para>

A covered work means either the unmodified Program or a work based on the Program.

</para>

<para>

To propagate a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

</para>

<para>

To convey a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

</para>

<para>

An interactive user interface displays Appropriate Legal Notices to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the

list meets this criterion.

</para>

<bridgehead xml:id="SourceCode" renderas="sect1">

1. Source Code.

</bridgehead>

<para>

The source code for a work means the preferred form of the work for making modifications to it. Object code means any non-source form of a work.

</para>

<para>

A Standard Interface means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

</para>

<para>

The System Libraries of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A Major Component, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

</para>

<para>

The Corresponding Source for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the works System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

</para>

<para>

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

</para>

<para>

The Corresponding Source for a work in source code form is that same work.

</para>

<bridgehead xml:id="BasicPermissions" renderas="sect1">

2. Basic Permissions.

</bridgehead>

<para>

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

</para>

<para>

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

</para>

<para>

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

</para>

<bridgehead xml:id="Protecting" renderas="sect1">

3. Protecting Users Legal Rights From Anti-Circumvention Law.

</bridgehead>

<para>

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

</para>

<para>

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the works users, your or third parties legal rights to forbid circumvention of technological measures.

</para>

<bridgehead xml:id="ConveyingVerbatim" renderas="sect1">

4. Conveying Verbatim Copies.

</bridgehead>

<para>

You may convey verbatim copies of the Programs source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

</para>

<para>

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

</para>

<bridgehead xml:id="ConveyingModified" renderas="sect1">

5. Conveying Modified Source Versions.

</bridgehead>

<para>

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

The work must carry prominent notices stating that you modified it, and giving a relevant date.

</para>

</listitem>

<listitem>

<para>

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to keep intact all notices.

</para>

</listitem>

<listitem>

<para>

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

</para>

</listitem>

<listitem>

<para>

If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

</para>

</listitem>

</orderedlist>

<para>

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an aggregate if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilations users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

</para>

<bridgehead xml:id="ConveyingNonSource" renderas="sect1">

6. Conveying Non-Source Forms.

</bridgehead>

<para>

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

</para>

</listitem>

<listitem>

<para>

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this

conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

</para>

</listitem>

<listitem>

<para>

Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

</para>

</listitem>

<listitem>

<para>

Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

</para>

</listitem>

<listitem>

<para>

Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

</para>

</listitem>

</orderedlist>

<para>

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

</para>

<para>

A User Product is either (1) a consumer product, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage.

For a particular product received by a particular user, normally used refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

</para>

<para>

Installation Information for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

</para>

<para>

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in <acronym>ROM</acronym>).

</para>

<para>

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

</para>

<para>

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

</para>

<bridgehead xml:id="AdditionalTerms" renderas="sect1">

7. Additional Terms.

</bridgehead>

<para>

Additional permissions are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

</para>

<para>

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

</para>

<para>

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

</para>

</listitem>

<listitem>

<para>

Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

</para>

</listitem>

<listitem>

<para>

Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

</para>

</listitem>

<listitem>

<para>

Limiting the use for publicity purposes of names of licensors or authors of the material; or

</para>

</listitem>

<listitem>

<para>

Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

</para>

</listitem>

<listitem>

<para>

Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

</para>

</listitem>

</orderedlist>

<para>

All other non-permissive additional terms are considered further restrictions within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

</para>

<para>

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

</para>

<para>

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

</para>

<bridgehead xml:id="gpl-3-termination" renderas="sect1">

8. Termination.

</bridgehead>

<para>

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section

11).

</para>

<para>

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

</para>

<para>

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

</para>

<para>

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

</para>

<bridgehead xml:id="AcceptanceNotRequired" renderas="sect1">

9. Acceptance Not Required for Having Copies.

</bridgehead>

<para>

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

</para>

<bridgehead xml:id="AutomaticDownstream" renderas="sect1">

10. Automatic Licensing of Downstream Recipients.

</bridgehead>

<para>

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

</para>

<para>

An entity transaction is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an

organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

</para>

<para>

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

</para>

<bridgehead xml:id="Patents" renderas="sect1">

11. Patents.

</bridgehead>

<para>

A contributor is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's contributor version.

</para>

<para>

A contributor's essential patent claims are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, control includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

</para>

<para>

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

</para>

<para>

In the following three paragraphs, a patent license is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To grant such a patent license to a party means to make such an agreement or commitment not to

enforce a patent against the party.

</para>

<para>

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. Knowingly relying means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipients use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

</para>

<para>

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

</para>

<para>

A patent license is discriminatory if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

</para>

<para>

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

</para>

<bridgehead xml:id="NoSurrender" renderas="sect1">

12. No Surrender of Others Freedom.

</bridgehead>

<para>

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

</para>

<bridgehead xml:id="UsedWithAGPL" renderas="sect1">

13. Use with the <acronym>GNU</acronym> Affero General Public License.

</bridgehead>

<para>

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the <acronym>GNU</acronym> Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the <acronym>GNU</acronym> Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

</para>

<bridgehead xml:id="RevisedVersions" renderas="sect1">

14. Revised Versions of this License.

</bridgehead>

<para>

The Free Software Foundation may publish revised and/or new versions of the <acronym>GNU</acronym> General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

</para>

<para>

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the <acronym>GNU</acronym> General Public License or any later version applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the <acronym>GNU</acronym> General Public License, you may choose any version ever published by the Free Software Foundation.

</para>

<para>

If the Program specifies that a proxy can decide which future versions of the <acronym>GNU</acronym> General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

</para>

<para>

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

</para>

<bridgehead xml:id="WarrantyDisclaimer" renderas="sect1">

15. Disclaimer of Warranty.

</bridgehead>

<para>

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM AS IS WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

</para>

<bridgehead xml:id="LiabilityLimitation" renderas="sect1">

16. Limitation of Liability.

</bridgehead>

<para>

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

</para>

<bridgehead xml:id="InterpretationSecs1516" renderas="sect1">

17. Interpretation of Sections 15 and 16.

</bridgehead>

<para>

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

</para>

<bridgehead>

END OF TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="HowToApply" renderas="sect1">

How to Apply These Terms to Your New Programs

</bridgehead>

<para>

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

</para>

<para>

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

</para>

<screen>

<replaceable>one line to give the programs name and a brief idea of what it does.</replaceable>
Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

This program is free software: you can redistribute it and/or modify it under the terms of the <acronym>GNU</acronym> General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the <acronym>GNU</acronym> General Public License for more details.

You should have received a copy of the <acronym>GNU</acronym> General Public License along with this program. If not, see <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</screen>

<para>

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

</para>

<para>

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

</para>

<screen>

<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>. This is free software, and you are welcome to redistribute it under certain conditions; type <literal>show c</literal> for details.

</screen>

<para>

The hypothetical commands <literal>show w</literal> and

<literal>show c</literal> should show the appropriate parts of the General Public License. Of course, your programs commands might be different; for a GUI interface, you would use an about box.

</para>

<para>

You should also get your employer (if you work as a programmer) or school, if any, to sign a copyright disclaimer for the program, if necessary. For more information on this, and how to apply and follow the <acronym>GNU</acronym> <acronym>GPL</acronym>, see <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</para>

<para>

The <acronym>GNU</acronym> General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the <acronym>GNU</acronym> Lesser General Public License instead of this License. But first, please read <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/philosophy/why-not-lgpl.html">http://www.gnu.org/philosophy/why-not-lgpl.html</link>.

</para>

</appendix>

/* gnu.classpath.tools.taglets.CopyrightTaglet

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```
package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }
}
```

```

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }

        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
                }
            }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

```

}
}

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<bridgehead xml:id="fdl-1-section8" renderas="sect2">

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</appendix>

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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License

@center Version 2.1, February 1999

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@appendixsubsec Preamble

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@ifinfo

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@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@page

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@smallexample

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@var{signature of Ty Coon}, 1 April 1990

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```
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rel="next" href="bugs.html" title="Bugs" /></head><body><div class="navheader"><table width="100%"
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align="center">Chapter1.Status</th><td width="20%" align="right"><a accesskey="n"
href="bugs.html">Next</a></td></tr></table><hr /></div><div class="section"><div
class="titlepage"><div><div><h2 class="title" style="clear: both"><a
```

id="manual.intro.status.license">License</h2></div></div></div><p>

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</p><p>

There is a license section in the FAQ regarding common questions. If you have more

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</p><div class="section"><div class="titlepage"><div><div><h3 class="title">The Code: GPL</h3></div></div></div><p>

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1.278 netty-codec-http 4.1.38

1.279 tomcat-el-api 9.0.22

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1.281 libxslt 1.1.28 5.el7

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1.282 mx4j 3.0.2

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1.283 spring-retry 1.2.4

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1.285 apache-httpclient 4.3.6

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1.286 activemq-http 5.15.9

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1.293 jjwt-impl 0.10.6

1.294 free-type 2.8 14.el7

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builds/unix/pkg.m4  
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docs/FTL.TXT  
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#  
include/freetype/internal/fthash.h  
#  
src/base/fthash.c  
src/base/md5.c  
src/base/md5.h  
#  
src/bdf/bdf.c
```

```
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
```

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1.297 snappy-java 1.1.7.2

1.298 netty-resolver 4.1.30

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1.299 perl-text-parsewords 3.29-4.el7

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Return-Path: rt-cpan-org-return@perl.org

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From: "Alexandr Ciornii via RT" <bug-Text-ParseWords@rt.cpan.org>

Reply-To: bug-Text-ParseWords@rt.cpan.org
In-Reply-To: <rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>
References: <RT-Ticket-90483@rt.cpan.org>
<rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>
Message-ID: <rt-4.0.18-2172-1384790768-1347.90483-6-0@rt.cpan.org>
X-RT-Loop-Prevention: rt.cpan.org
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MIME-Version: 1.0
Content-Transfer-Encoding: 8bit
Content-Type: text/plain; charset="utf-8"
X-RT-Original-Encoding: utf-8
Date: Mon, 18 Nov 2013 11:06:08 -0500
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On Mon Nov 18 10:37:28 2013, mmaslano@redhat.com wrote:

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Will do in next version.

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yes

--

Alexandr Ciornii, <http://chorny.net>

1.300 tomcat-jasper 9.0.22

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1.309 perl-filter 1.49 3.e17

1.310 perl-constant 1.27-2.e17

1.311 jcodings 1.0.12

1.312 moogsoft-integrations 7.3.0 59661

1.313 netty-codec 4.1.38

1.314 vertx-web-common 3.6.3

1.315 ingest-user-agent 6.8.1

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 */
```

```
package com.hazelcast.security.permission;
```

```
public class CachePermission extends InstancePermission {
```

```

private static final int PUT = 4;
private static final int REMOVE = 8;
private static final int READ = 16;
private static final int LISTEN = 32;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

public CachePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}
}
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```

```

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package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;  
import java.security.PermissionCollection;  
import java.util.Collections;  
import java.util.Enumeration;  
import java.util.HashSet;  
import java.util.Iterator;  
import java.util.Set;
```

```
public class ClusterPermissionCollection extends PermissionCollection {
```

```
    final Set<Permission> perms = new HashSet<Permission>();  
    final Class<? extends Permission> permClass;
```

```
    public ClusterPermissionCollection() {  
        permClass = null;  
    }
```

```
    public ClusterPermissionCollection(Class<? extends Permission> permClass) {  
        this.permClass = permClass;  
    }
```

```
    @Override
```

```
    public void add(Permission permission) {  
        if (isReadOnly()) {  
            throw new SecurityException("ClusterPermissionCollection is read-only!");  
        }  
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))  
            || (permission instanceof ClusterPermission);
```

```
        if (shouldAdd && !implies(permission)) {  
            perms.add(permission);  
        }  
    }
```

```
    public void add(PermissionCollection permissions) {  
        if (isReadOnly()) {  
            throw new SecurityException("ClusterPermissionCollection is read-only!");  
        }  
        if (permissions instanceof ClusterPermissionCollection) {  
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
```

```

        add(p);
    }
}

@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "];";
}

```

```

    }
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;

public class UserCodeDeploymentPermission extends InstancePermission {

    private static final int DEPLOY = 4;
    private static final int ALL = DEPLOY;

    public UserCodeDeploymentPermission(String... actions) {
        super(UserCodeDeploymentService.SERVICE_NAME, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
                mask |= DEPLOY;
            }
        }
        return mask;
    }
}
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```

```

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*/

```

```
package com.hazelcast.security.permission;
```

```

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
    }
}

```

```

    return mask;
}
}
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 */

/**
 * Contains Hazelcast client permissions.
 *
 * @see com.hazelcast.security.jsm
 */
package com.hazelcast.security.permission;
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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

```

```

public DenyAllPermissionCollection() {
}

@Override
public void add(Permission permission) {
}

@Override
public boolean implies(Permission permission) {
    return false;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}
}
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*/

```
package com.hazelcast.security.permission;
```

```
public class LockPermission extends InstancePermission {  
  
    private static final int LOCK = 4;  
    private static final int READ = 8;  
    private static final int ALL = CREATE | DESTROY | LOCK | READ;  
  
    public LockPermission(String key, String... actions) {  
        super(key, actions);  
    }  
  
    @Override  
    protected int initMask(String[] actions) {  
        int mask = NONE;  
        for (String action : actions) {  
            if (ActionConstants.ACTION_ALL.equals(action)) {  
                return ALL;  
            }  
  
            if (ActionConstants.ACTION_CREATE.equals(action)) {  
                mask |= CREATE;  
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {  
                mask |= DESTROY;  
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {  
                mask |= LOCK;  
            } else if (ActionConstants.ACTION_READ.equals(action)) {  
                mask |= READ;  
            }  
        }  
        return mask;  
    }  
}  
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 */

package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {

private static final int READ = 4;

private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public CardinalityEstimatorPermission(String name, String... actions) {
 super(name, actions);
 }

@Override

protected int initMask(String[] actions) {

int mask = NONE;

for (String action : actions) {

if (ActionConstants.ACTION_ALL.equals(action)) {
 return ALL;
 }

if (ActionConstants.ACTION_CREATE.equals(action)) {

mask |= CREATE;

} else if (ActionConstants.ACTION_READ.equals(action)) {

mask |= READ;

} else if (ActionConstants.ACTION_MODIFY.equals(action)) {

mask |= MODIFY;

} else if (ActionConstants.ACTION_DESTROY.equals(action)) {

mask |= DESTROY;

}

}

return mask;

}

}

/*

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```

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*/

```

```
package com.hazelcast.security.permission;
```

```

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

```

```

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 */

```

```
package com.hazelcast.security.permission;
```

```

public class PNCounterPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public PNCounterPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

```

```

    }
}
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 */

```

```
package com.hazelcast.security.permission;
```

```

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
    }
}

```

```

        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {

```

```

        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    } else if (ActionConstants.ACTION_LOCK.equals(action)) {
        mask |= LOCK;
    } else if (ActionConstants.ACTION_INDEX.equals(action)) {
        mask |= INDEX;
    } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
        mask |= INTERCEPT;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;

```

```
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.crdt.pncounter.PNCounterService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;
```

```
import java.security.Permission;
import java.util.HashMap;
import java.util.Map;
```

```
@SuppressWarnings({"checkstyle:executablestatementcount"})
```

```
public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";
    public static final String ACTION_AGGREGATE = "aggregate";
    public static final String ACTION_PROJECTION = "projection";
    public static final String ACTION_USER_CODE_DEPLOY = "deploy";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";
```

```
private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
PermissionFactory>();
```

```
static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new AtomicLongPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new CountDownLatchPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
```

```

@Override
public Permission create(String name, String... actions) {
    return new SemaphorePermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

```

```

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new UserCodeDeploymentPermission(actions);
    }
});
PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});
}

private ActionConstants() {

```

```

}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

```

```

private int hashCode;

public ClusterPermission(String name) {
    super(name);
}

@Override
public PermissionCollection newPermissionCollection() {
    return new ClusterPermissionCollection(getClass());
}

@Override
public int hashCode() {
    if (hashCode == 0) {
        final int prime = 31;
        int result = 1;
        if (getName() == null) {
            result = prime * result + 13;
        } else {
            result = prime * result + getName().hashCode();
        }
        hashCode = result;
    }
    return hashCode;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}
}

```

```
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 */
```

```
package com.hazelcast.security.permission;
```

```
public class MultiMapPermission extends MapPermission {
```

```
    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}
```

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 */
```

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
```

```
import java.security.Permission;
```

```
/**
 * TODO: Object Permission
 */
```

```

*/
public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;
    protected static final int DESTROY = 2;

    private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();

    protected final int mask;
    protected final String actions;

    public InstancePermission(String name, String... actions) {
        super(name);
        if (name == null || "".equals(name)) {
            throw new IllegalArgumentException("Permission name is mandatory!");
        }
        mask = initMask(actions);

        final StringBuilder s = new StringBuilder();
        for (String action : actions) {
            s.append(action).append(" ");
        }
        // trim the trailing space
        if (s.length() > 0) {
            s.setLength(s.length() - 1);
        }
        this.actions = s.toString();
    }

    /**
     * init mask
     */
    protected abstract int initMask(String[] actions);

    @Override
    public boolean implies(Permission permission) {
        if (this.getClass() != permission.getClass()) {
            return false;
        }

        InstancePermission that = (InstancePermission) permission;

        boolean maskTest = ((this.mask & that.mask) == that.mask);
        if (!maskTest) {
            return false;
        }
    }
}

```

```

    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}
}
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*/
```

```
package com.hazelcast.security.permission;
```

```
public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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*/

```
package com.hazelcast.security.permission;
```

```
public class RingBufferPermission extends InstancePermission {  
  
    private static final int PUT = 4;  
    private static final int READ = 8;  
    private static final int ALL = PUT | READ;  
  
    public RingBufferPermission(String name, String... actions) {  
        super(name, actions);  
    }  
  
    @Override  
    protected int initMask(String[] actions) {  
        int mask = NONE;  
        for (String action : actions) {  
            if (ActionConstants.ACTION_ALL.equals(action)) {  
                return ALL;  
            }  
  
            if (ActionConstants.ACTION_CREATE.equals(action)) {  
                mask |= CREATE;  
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {  
                mask |= DESTROY;  
            } else if (ActionConstants.ACTION_PUT.equals(action)) {  
                mask |= PUT;  
            } else if (ActionConstants.ACTION_READ.equals(action)) {  
                mask |= READ;  
            }  
        }  
        return mask;  
    }  
}
```

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*/

```
package com.hazelcast.security.permission;
```

```
public class MapPermission extends InstancePermission {
```

```
    private static final int PUT = 4;
```

```
    private static final int REMOVE = 8;
```

```
    private static final int READ = 16;
```

```
    private static final int LISTEN = 32;
```

```
    private static final int LOCK = 64;
```

```
    private static final int INDEX = 128;
```

```
    private static final int INTERCEPT = 256;
```

```
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;
```

```
    public MapPermission(String name, String... actions) {
```

```
        super(name, actions);
```

```
    }
```

```

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}
}
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 */

```

```

package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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 */

package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {

```

```

        super(name, actions);
    }
}
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 */

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {

```

```

        mask |= READ;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}
}
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 */

```

```
package com.hazelcast.security.permission;
```

```
public class CountdownLatchPermission extends InstancePermission {
```

```

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

```

```

    public CountdownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

```

```
@Override
```

```

protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        }
    }
}

```

```

    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {

    private static final int MODIFY = 4;

    private static final int ALL = MODIFY | CREATE | DESTROY;

    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {

```

```

        mask |= CREATE;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}
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*/

```

```
package com.hazelcast.security.permission;
```

```
public class DurableExecutorServicePermission extends InstancePermission {
```

```
    private static final int ALL = CREATE | DESTROY;
```

```
    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

```

```
    @Override
```

```
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

```

```
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```

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*/
```

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
```

```
/**
```

```
*
```

```
*/
```

```
public class ConfigPermission extends ClusterPermission {
```

```
    private static final String CONFIG_PERMISSION_NAME = "<config>";
```

```
    private static final String CONFIG_PERMISSION_ACTIONS = "config";
```

```
    public ConfigPermission() {
```

```
        super(CONFIG_PERMISSION_NAME);
```

```
    }
```

```
    @Override
```

```
    public boolean implies(Permission permission) {
```

```
        return getClass() == permission.getClass();
```

```
    }
```

```
    @Override
```

```
    public String getActions() {
```

```
        return CONFIG_PERMISSION_ACTIONS;
```

```
    }
```

```
}
```

```
/**
```

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*/

package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}
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*/

```
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return 111;
    }

    public static final class AllPermissionsCollection extends PermissionCollection {
        private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    }
}
```

```

private boolean all;

public AllPermissionsCollection() {
}

public AllPermissionsCollection(boolean all) {
    this.all = all;
}

@Override
public void add(Permission permission) {
    if (permission instanceof AllPermissions) {
        all = true;
    }
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
}

```

```

    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}
}
/*
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 */

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {

```

```
int mask = NONE;
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
```

1.317 activemq-kahadb-store 5.15.9

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1.321 xorg-x11-fonts 7.5-9.el7

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1.323 error-prone-annotations 2.2.0

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The End

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1.339 subzero core 0.9

1.340 netty-resolver-dns 4.1.38

1.341 perl-parent 0.225-244.el7

1.342 tomcat-embed-el 9.0.22

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1.345 hawtbuf 1.11

1.346 activemq-broker 5.15.9

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1.347 perl-socket 2.010 4.e17

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```
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```

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```
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```

at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.348 perl-pathtools 3.40-5.e17

1.349 annotation-indexer 2.0.5

1.350 axis2-transport-http 1.7.4

1.350.1 Available under license :

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1.352 mysql 5.7.13

1.353 jakarta-xml-soap-api 1.4.1

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The project maintains the following source code repositories:

- * <https://github.com/eclipse-ee4j/jws-api>
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1.354 javax-inject 1

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1.360 perl-filter 1.49-3.el7

1.361 erlang-otp 19.3

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1.362 opensaml-storage-impl 3.3.0

1.363 listenablefuture 9999.0

1.364 perl-text-parsewords 3.29 4.e17

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Precedence: normal

Subject: [rt.cpan.org #90483] missing license file

From: "Alexandr Ciornii via RT" <bug-Text-ParseWords@rt.cpan.org>

Reply-To: bug-Text-ParseWords@rt.cpan.org

In-Reply-To: <rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>

References: <RT-Ticket-90483@rt.cpan.org>

<rt-4.0.18-4704-1384789048-1647.90483-6-0@rt.cpan.org>

Message-ID: <rt-4.0.18-2172-1384790768-1347.90483-6-0@rt.cpan.org>

X-RT-Loop-Prevention: rt.cpan.org

RT-Ticket: rt.cpan.org #90483

Managed-BY: RT 4.0.18 (<http://www.bestpractical.com/rt/>)

RT-Originator: CHORNY@cpan.org

To: mmaslano@redhat.com

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

Content-Type: text/plain; charset="utf-8"

X-RT-Original-Encoding: utf-8
Date: Mon, 18 Nov 2013 11:06:08 -0500
X-RedHat-Spam-Score: -1.9 (BAYES_00,SPF_PASS,URIBL_BLOCKED)
X-Scanned-By: MIMEDefang 2.68 on 10.5.11.23
X-Scanned-By: MIMEDefang 2.68 on 10.5.110.19

<URL: <https://rt.cpan.org/Ticket/Display.html?id=90483> >

On Mon Nov 18 10:37:28 2013, mmaslano@redhat.com wrote:
> It would be a big help if you have better defined license. License
> text in .pm file would be enough.

Will do in next version.

> I found Perl license in Makefile.PL,
> so we assumed it's Perl (GPL+ or Artistic). Is it correct?

yes

--

Alexandr Ciornii, <http://chorny.net>

1.365 jna 4.5.1

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/** Tagging interface to indicate the library or callback uses an alternate
 * calling convention.
 * @author twall
 */
public interface AltCallingConvention { }
```

1.366 axiom-impl 1.2.20

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1.368 libice 1.0.9-9.el7

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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1.375 management-api 3.2.1

1.376 geronimoj2eemanagement 1.0.1

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1.379 tomcat-catalina 9.0.22

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1.380 ingest-geoip 6.8.1

1.381 perl 1.04 294.e17_6

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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The End

```
#!/perl
```

```
=head1 NAME
```

```
copyright.t
```

```
=head1 DESCRIPTION
```

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

```
=cut
```

```
use strict;
```

```
use Config;
```

```
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
```

```

skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', './README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /\b(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

    my $output = runperl switches => ['-v'];

```

```
my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

$year;
}
```

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abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build_requires:

File::Temp: 0.15

Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: 1.4
name: Module-Build
resources:
MailingList: <mailto:module-build@perl.org>
license: <http://dev.perl.org/licenses/>
repository: <http://github.com/dagolden/module-build/>
version: 3

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

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```
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```

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```

```
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```
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under certain conditions; type `show c' for details.
```

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1.382 joda-time 2.9.2

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- * <https://github.com/eclipse-ee4j/metro-jax-ws>
- * <https://github.com/eclipse-ee4j/metro-saaj>
- * <https://github.com/eclipse-ee4j/metro-jwsdp-samples>
- * <https://github.com/eclipse-ee4j/jax-rpc-ri>

Third-party Content

This project leverages the following third party content.

addressing.xml Version: 2004/10 (n/a)

- * License: W3C
- * Project: <https://www.w3.org/Submission/ws-addressing/>
- * Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

- * License: Apache-2.0 AND SAX-PD AND W3C
- * Project: <https://ant.apache.org/>
- * Source: <http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar>

Apache Ant (1.6)

- * License: Apache-1.1
- * Project: <https://ant.apache.org/>
- * Source: <https://repo1.maven.org/maven2/org/apache/ant/ant/1.6/ant-1.6-sources.jar>

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commons-logging (1.1.2)

- * License: Apache-2.0
- * Project: <https://commons.apache.org/proper/commons-logging/>
- * Source: <http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar>

JUnit (4.12)

- * License: Eclipse Public License

maven-core (3.5.2)

- * License: Apache-2.0

maven-plugin-annotations (3.5.1)

- * License: Apache-2.0
- * Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>

* Source:
<https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations>

maven-plugin-api (3.5.2)

* License: Apache-2.0

* Project: <https://maven.apache.org/>

* Source: <https://github.com/apache/maven/tree/master/maven-plugin-api>

maven-resolver-api (1.1.1)

* License: Apache-2.0

maven-resolver-util (1.1.1)

* License: Apache-2.0

maven-settings (3.5.2)

* License: Apache-2.0

mex.xsd Version: 2004/09 (n/a)

* License: Oasis Style

* Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>

* Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

plexus-utils (3.1.0)

* License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)

relaxng-datatype (1.0)

* License: New BSD license

stax2-api (4.1)

* License: Pending

* Project: <https://github.com/FasterXML/stax2-api>

* Source:

<http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

* License: Apache-2.0 AND MIT

* Project: <https://testng.org/doc/index.html>

* Source: <https://github.com/cbeust/testng>

woodstox-core-asl (4.4.1)

* License: Apache-2.0

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* License: Apache-2.0

* Project: <https://github.com/FasterXML/woodstox>

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ws-addr.wsd (1.0)

* License: W3C

* Project: <https://www.w3.org/2005/08/addressing/>

* Source: <https://www.w3.org/2006/03/addressing/ws-addr.xsd>

wsat.xsd Version: 2004/10 (n/a)

* License: Oasis Style

* Project: <http://schemas.xmlsoap.org/ws/2004/10/wsat/>

* Source: <http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd>

wscor.xsd (1.0)

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* Project: <http://docs.oasis-open.org/ws-tx/wscor/2006/06>

* Source:

<http://docs.oasis-open.org/ws-tx/wscor/2006/06/wstx-wscor-1.1-schema-200701.xsd>

wrm Version: 2005/02 (n/a)

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* Project: <http://schemas.xmlsoap.org/ws/2005/02/rm/>

* Source:

<http://schemas.xmlsoap.org/ws/2005/02/rm/wrm.xsd>;%20<http://schemas.xmlsoap.org/ws/2005/02/rm/wrm-policy.xsd>

wrm.xsd (1.2)

* License: Oasis

wstx-wsat.xsd (1.1)

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xmlsec (1.5.8)

* License: Apache-2.0

* Project: <http://santuario.apache.org/>

* Source:

<https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar>

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1.384 antlr-runtime 4.5.3

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1.385 netty-handler-proxy 4.1.30

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1.388 taglibs-standard-spec 1.2.5

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1.389 spring-integration-core 5.1.7

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1.390 spring-web 5.1.9

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analysis/common/src/java/net/sf/snowball
were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in
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were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
<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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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,
analysis/common/src/resources/org/apache/lucene/analysis/bn/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
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
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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by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil,
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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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1.392 super-csv 2.4.0

1.393 perl-threads 1.87 4.e17

1.394 httpcomponents-client 4.5.2

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1.395 tomcat-dbcp 9.0.22

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1.398 shiro 1.2.6

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*/

/**

* Support and default implementations for Shiro's { @link org.apache.shiro.authz.Permission Permission }
* interface.
* <p/>
* Also note the { @link org.apache.shiro.authz.permission.PermissionResolver PermissionResolver } interface, as
* it plays an important part in many of Shiro's { @link org.apache.shiro.realm.Realm Realm } implementations
* and AOP support.

*/

package org.apache.shiro.authz.permission;

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*/
package org.apache.shiro.authz.permission;

import java.io.Serializable;

import org.apache.shiro.authz.Permission;

/**
 * An all <tt>AllPermission</tt> instance is one that always implies any other permission; that is, its
 * { @link #implies implies } method always returns <tt>>true</tt>.
 *
 * <p>You should be very careful about the users, roles, and/or groups to which this permission is assigned since
 * those respective entities will have the ability to do anything. As such, an instance of this class
 * is typically only assigned only to "root" or "administrator" users or roles.
 *
 * @since 0.1
 */
public class AllPermission implements Permission, Serializable {

    /**
     * Always returns <tt>>true</tt>, indicating any Subject granted this permission can do anything.
     *
     * @param p the Permission to check for implies logic.
     * @return <tt>>true</tt> always, indicating any Subject grated this permission can do anything.
     */
    public boolean implies(Permission p) {
        return true;
    }
}

```

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 */
package org.apache.shiro.authz.permission;

import org.apache.shiro.ShiroException;

/**
 * Thrown by {@link PermissionResolver#resolvePermission(String)} when the String being parsed is not
 * valid for that resolver.
 *
 * @since 0.9
 */
public class InvalidPermissionStringException extends ShiroException
{
    private String permissionString;

    /**
     * Constructs a new exception with the given message and permission string.
     *
     * @param message the exception message.
     * @param permissionString the invalid permission string.
     */
    public InvalidPermissionStringException(String message, String permissionString) {
        super(message);
        this.permissionString = permissionString;
    }

    /**
     * Returns the permission string that was invalid and caused this exception to
     * be thrown.

```

```

*
* @return the permission string.
*/
public String getPermissionString() {
    return this.permissionString;
}

}

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*/
package org.apache.shiro.authz;

/**
* A Permission represents the ability to perform an action or access a resource. A Permission is the most
* granular, or atomic, unit in a system's security policy and is the cornerstone upon which fine-grained security
* models are built.
* <p/>
* It is important to understand a Permission instance only represents functionality or access - it does not grant it.
* Granting access to an application functionality or a particular resource is done by the application's security
* configuration, typically by assigning Permissions to users, roles and/or groups.
* <p/>
* Most typical systems are what the Shiro team calls <em>role-based</em> in nature, where a role represents
* common behavior for certain user types. For example, a system might have an <em>Administrator</em> role, a
* <em>User</em> or <em>Guest</em> roles, etc.
* <p/>
* But if you have a dynamic security model, where roles can be created and deleted at runtime, you can't hard-code
* role names in your code. In this environment, roles themselves aren't very useful. What matters is what
* <em>permissions</em> are assigned to these roles.
* <p/>
* Under this paradigm, permissions are immutable and reflect an application's raw functionality
* (opening files, accessing a web URL, creating users, etc). This is what allows a system's security policy

```

* to be dynamic: because Permissions represent raw functionality and only change when the application's source code changes, they are immutable at runtime - they represent 'what' the system can do. Roles, users, and groups are the 'who' of the application. Determining 'who' can do 'what' then becomes a simple exercise of associating Permissions to roles, users, and groups in some way.

<p/>

* Most applications do this by associating a named role with permissions (i.e. a role 'has a' collection of Permissions) and then associate users with roles (i.e. a user 'has a' collection of roles) so that by transitive association, the user 'has' the permissions in their roles. There are numerous variations on this theme (permissions assigned directly to users, or assigned to groups, and users added to groups and these groups in turn have roles, etc, etc). When employing a permission-based security model instead of a role-based one, users, roles, and groups can all be created, configured and/or deleted at runtime. This enables an extremely powerful security model.

<p/>

* A benefit to Shiro is that, although it assumes most systems are based on these types of static role or dynamic role w/ permission schemes, it does not require a system to model their security data this way - all Permission checks are relegated to {@link org.apache.shiro.realm.Realm} implementations, and only those implementations really determine how a user 'has' a permission or not. The Realm could use the semantics described here, or it could utilize some other mechanism entirely - it is always up to the application developer.

<p/>

* Shiro provides a very powerful default implementation of this interface in the form of the {@link org.apache.shiro.authz.permission.WildcardPermission WildcardPermission}. We highly recommend that you investigate this class before trying to implement your own `Permission`s.

*
 * @see org.apache.shiro.authz.permission.WildcardPermission WildcardPermission
 * @since 0.2
 */

```
public interface Permission {

    /**
     * Returns {@code true} if this current instance implies all the functionality and/or resource access
     * described by the specified {@code Permission} argument, {@code false} otherwise.
     * <p/>
     * <p>That is, this current instance must be exactly equal to or a superset of the functionality
     * and/or resource access described by the given {@code Permission} argument. Yet another way of saying this
     * would be:
     * <p/>
     * <p>If "permission1 implies permission2", i.e. permission1.implies(permission2) ,
     * then any Subject granted {@code permission1} would have ability greater than or equal to that defined by
     * {@code permission2}.
     *
     * @param p the permission to check for behavior/functionality comparison.
     * @return {@code true} if this current instance implies all the functionality and/or resource access
     *         described by the specified {@code Permission} argument, {@code false} otherwise.
     */
    boolean implies(Permission p);
}
```

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 */
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

/**
 * <tt>PermissionResolver</tt> implementation that returns a new { @link WildcardPermission
 * WildcardPermission}
 * based on the input string.
 *
 * @since 0.9
 */
public class WildcardPermissionResolver implements PermissionResolver {

    /**
     * Returns a new { @link WildcardPermission WildcardPermission} instance constructed based on the specified
     * <tt>permissionString</tt>.
     *
     * @param permissionString the permission string to convert to a { @link Permission Permission} instance.
     * @return a new { @link WildcardPermission WildcardPermission} instance constructed based on the specified
     * <tt>permissionString</tt>
     */
    public Permission resolvePermission(String permissionString) {
        return new WildcardPermission(permissionString);
    }
}
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* under the License.
*/
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

/**
 * A {@code PermisisonResolver} resolves a String value and converts it into a
 * {@link org.apache.shiro.authz.Permission Permission} instance.
 * <p/>
 * The default {@link WildcardPermissionResolver} should be
 * suitable for most purposes, which constructs {@link WildcardPermission} objects.
 * However, any resolver may be configured if an application wishes to use different
 * {@link org.apache.shiro.authz.Permission} implementations.
 * <p/>
 * A {@code PermissionResolver} is used by many Shiro components such as annotations, property file
 * configuration, URL configuration, etc. It is useful whenever a String representation of a permission is specified
 * and that String needs to be converted to a Permission instance before executing a security check.
 * <p/>
 * Shiro chooses to support {@link WildcardPermission Wildcardpermission}s by default in almost all components
 * and
 * we do that in the form of the {@link WildcardPermissionResolver WildcardPermissionResolver}. One of the
 * nice
 * things about {@code WildcardPermission}s being supported by default is that it makes it very easy to
 * store complex permissions in the database - and also makes it very easy to represent permissions in JSP files,
 * annotations, etc., where a simple string representation is useful.
 * <p/>
 * Although this happens to be the Shiro default, you are of course free to provide custom
 * String-to-Permission conversion by providing Shiro components any instance of this interface.
 *
 * @see org.apache.shiro.authz.ModularRealmAuthorizer#setPermissionResolver(PermissionResolver)
 * ModularRealmAuthorizer.setPermissionResolver
 * @see org.apache.shiro.realm.AuthorizingRealm#setPermissionResolver(PermissionResolver)
 * AuthorizingRealm.setPermissionResolver
 * @see PermissionResolverAware PermissionResolverAware
 * @since 0.9

```

```

*/
public interface PermissionResolver {

    /**
     * Resolves a Permission based on the given String representation.
     *
     * @param permissionString the String representation of a permission.
     * @return A Permission object that can be used internally to determine a subject's permissions.
     * @throws InvalidPermissionStringException
     *         if the permission string is not valid for this resolver.
     */
    Permission resolvePermission(String permissionString);

}
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 * under the License.
 */
package org.apache.shiro.authz.permission;

/**
 * Interface implemented by a component that wishes to use any application-configured
 * <tt>RolePermissionResolver</tt> that
 * might already exist instead of potentially creating one itself.
 *
 * <p>This is mostly implemented by { @link org.apache.shiro.authz.Authorizer Authorizer} and
 * { @link org.apache.shiro.realm.Realm Realm} implementations since they
 * are the ones performing permission checks and need to know how to resolve Strings into
 * { @link org.apache.shiro.authz.Permission Permission} instances.
 *
 * @since 1.0
 */
public interface RolePermissionResolverAware {

```

```

/**
 * Sets the specified <tt>RolePermissionResolver</tt> on this instance.
 *
 * @param rpr the <tt>RolePermissionResolver</tt> being set.
 */
public void setRolePermissionResolver(RolePermissionResolver rpr);
}
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 */
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;

import java.util.Collection;

/**
 * A RolePermissionResolver resolves a String value and converts it into a Collection of
 * {@link org.apache.shiro.authz.Permission} instances.
 *
 * <p>
 * In some cases a {@link org.apache.shiro.realm.Realm} may only be able to return a list of roles. This
 * component allows an application to resolve the roles into permissions.
 *
 *
 */
public interface RolePermissionResolver {

    /**
     * Resolves a Collection of Permissions based on the given String representation.
     *
     * @param roleString the String representation of a role name to resolve.
     * @return a Collection of Permissions based on the given String representation.
     */
    Collection<Permission> resolvePermissionsInRole(String roleString);
}

```

```

}
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 */
package org.apache.shiro.authz.permission;

import org.apache.shiro.authz.Permission;
import org.apache.shiro.util.CollectionUtils;
import org.apache.shiro.util.StringUtils;

import java.io.Serializable;
import java.util.ArrayList;
import java.util.LinkedHashSet;
import java.util.List;
import java.util.Set;

/**
 * A WildcardPermission is a very flexible permission construct supporting multiple levels of
 * permission matching. However, most people will probably follow some standard conventions as explained below.
 * <p/>
 * <h3>Simple Usage</h3>
 * <p/>
 * In the simplest form, WildcardPermission can be used as a simple permission string. You could
 * grant a
 * user an "editNewsletter" permission and then check to see if the user has the editNewsletter
 * permission by calling
 * <p/>
 * subject.isPermitted("editNewsletter")
 * <p/>
 * This is (mostly) equivalent to
 * <p/>
 * subject.isPermitted( new WildcardPermission("editNewsletter") )

```

* <p/>
 * but more on that later.

* <p/>
 * The simple permission string may work for simple applications, but it requires you to have permissions like
 * <code>"viewNewsletter"</code>, <code>"deleteNewsletter"</code>,
 * <code>"createNewsletter"</code>, etc. You can also grant a user <code>"*"</code>
 permissions
 * using the wildcard character (giving this class its name), which means they have all permissions. But
 * using this approach there's no way to just say a user has "all newsletter permissions".

* <p/>
 * For this reason, <code>WildcardPermission</code> supports multiple levels of permissioning.

* <p/>
 * <h3>Multiple Levels</h3>

* <p/>
 * <code>WildcardPermission</code> also supports the concept of multiple levels. For example, you could
 * restructure the previous simple example by granting a user the permission
 <code>"newsletter:edit"</code>.

* The colon in this example is a special character used by the <code>WildcardPermission</code> that delimits the
 * next token in the permission.

* <p/>
 * In this example, the first token is the domain that is being operated on
 * and the second token is the action being performed. Each level can contain multiple values. So you
 * could simply grant a user the permission <code>"newsletter:view,edit,create"</code> which gives
 them
 * access to perform <code>view</code>, <code>edit</code>, and <code>create</code> actions in the
 <code>newsletter</code>
 * domain. Then you could check to see if the user has the
 <code>"newsletter:create"</code>
 * permission by calling
 * <p/>
 * <code>subject.isPermitted("newsletter:create")</code>
 * <p/>
 * (which would return true).

* <p/>
 * In addition to granting multiple permissions via a single string, you can grant all permission for a particular
 * level. So if you wanted to grant a user all actions in the <code>newsletter</code> domain, you could simply give
 * them <code>"newsletter:*"</code>. Now, any permission check for
 <code>"newsletter:XXX"</code>
 * will return <code>>true</code>. It is also possible to use the wildcard token at the domain level (or both): so you
 * could grant a user the <code>"view"</code> action across all domains
 <code>"*:view"</code>.

* <p/>
 * <h3>Instance-level Access Control</h3>

* <p/>
 * Another common usage of the <code>WildcardPermission</code> is to model instance-level Access Control
 Lists.
 * In this scenario you use three tokens - the first is the domain, the second is the action, and
 * the third is the instance you are acting on.

* <p/>

* So for example you could grant a user <code>"newsletter:edit:12,13,18"</code>. In this example, assume

* that the third token is the system's ID of the newsletter. That would allow the user to edit newsletters

* <code>12</code>, <code>13</code>, and <code>18</code>. This is an extremely powerful way to express permissions,

* since you can now say things like <code>"newsletter:*.13"</code> (grant a user all actions for newsletter

* <code>13</code>), <code>"newsletter:view,create,edit:*"</code> (allow the user to

* <code>view</code>, <code>create</code>, or <code>edit</code> any newsletter), or

* <code>"newsletter:*.*</code> (allow the user to perform any action on any newsletter).

* <p/>

* To perform checks against these instance-level permissions, the application should include the instance ID in the

* permission check like so:

* <p/>

* <code>subject.isPermitted("newsletter:edit:13")</code>

* <p/>

* There is no limit to the number of tokens that can be used, so it is up to your imagination in terms of ways that

* this could be used in your application. However, the Shiro team likes to standardize some common usages shown

* above to help people get started and provide consistency in the Shiro community.

*

* @since 0.9

*/

```
public class WildcardPermission implements Permission, Serializable {
```

```
    //TODO - JavaDoc methods
```

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

```
    |   C O N S T A N T S   |
```

```
    =====*/
```

```
    protected static final String WILDCARD_TOKEN = "*";
    protected static final String PART_DIVIDER_TOKEN = ":";
    protected static final String SUBPART_DIVIDER_TOKEN = ",";
    protected static final boolean DEFAULT_CASE_SENSITIVE = false;
```

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

```
    |   I N S T A N C E   V A R I A B L E S   |
```

```
    =====*/
```

```
    private List<Set<String>> parts;
```

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

```
    |   C O N S T R U C T O R S   |
```

```
    =====*/
```

```
    /**
```

```
    * Default no-arg constructor for subclasses only - end-user developers instantiating Permission instances must
    * provide a wildcard string at a minimum, since Permission instances are immutable once instantiated.
```

```
    * <p/>
```

* Note that the WildcardPermission class is very robust and typically subclasses are not necessary unless you wish to create type-safe Permission objects that would be used in your application, such as perhaps a { @code UserPermission }, { @code SystemPermission }, { @code PrinterPermission }, etc. If you want such type-safe

* permission usage, consider subclassing the { @link DomainPermission DomainPermission } class for your needs.

```
*/
protected WildcardPermission() {
}

public WildcardPermission(String wildcardString) {
    this(wildcardString, DEFAULT_CASE_SENSITIVE);
}

public WildcardPermission(String wildcardString, boolean caseSensitive) {
    setParts(wildcardString, caseSensitive);
}

protected void setParts(String wildcardString) {
    setParts(wildcardString, DEFAULT_CASE_SENSITIVE);
}

protected void setParts(String wildcardString, boolean caseSensitive) {
    wildcardString = StringUtils.clean(wildcardString);

    if (wildcardString == null || wildcardString.isEmpty()) {
        throw new IllegalArgumentException("Wildcard string cannot be null or empty. Make sure permission strings are properly formatted.");
    }

    List<String> parts = CollectionUtils.asList(wildcardString.split(PART_DIVIDER_TOKEN));

    this.parts = new ArrayList<Set<String>>();
    for (String part : parts) {
        Set<String> subparts = CollectionUtils.asSet(part.split(SUBPART_DIVIDER_TOKEN));
        if (!caseSensitive) {
            subparts = lowercase(subparts);
        }
        if (subparts.isEmpty()) {
            throw new IllegalArgumentException("Wildcard string cannot contain parts with only dividers. Make sure permission strings are properly formatted.");
        }
        this.parts.add(subparts);
    }

    if (this.parts.isEmpty()) {
        throw new IllegalArgumentException("Wildcard string cannot contain only dividers. Make sure permission strings are properly formatted.");
    }
}
```

```

    }
}

private Set<String> lowercase(Set<String> subparts) {
    Set<String> lowerCasedSubparts = new LinkedHashSet<String>(subparts.size());
    for (String subpart : subparts) {
        lowerCasedSubparts.add(subpart.toLowerCase());
    }
    return lowerCasedSubparts;
}

/*-----
| ACCESSORS / MODIFIERS |
=====*/
protected List<Set<String>> getParts() {
    return this.parts;
}

/*-----
|     METHODS     |
=====*/

public boolean implies(Permission p) {
    // By default only supports comparisons with other WildcardPermissions
    if (!(p instanceof WildcardPermission)) {
        return false;
    }

    WildcardPermission wp = (WildcardPermission) p;

    List<Set<String>> otherParts = wp.getParts();

    int i = 0;
    for (Set<String> otherPart : otherParts) {
        // If this permission has less parts than the other permission, everything after the number of parts contained
        // in this permission is automatically implied, so return true
        if (getParts().size() - 1 < i) {
            return true;
        } else {
            Set<String> part = getParts().get(i);
            if (!part.contains(WILDCARD_TOKEN) && !part.containsAll(otherPart)) {
                return false;
            }
            i++;
        }
    }

    // If this permission has more parts than the other parts, only imply it if all of the other parts are wildcards

```

```

    for (; i < getParts().size(); i++) {
        Set<String> part = getParts().get(i);
        if (!part.contains(WILDCARD_TOKEN)) {
            return false;
        }
    }

    return true;
}

public String toString() {
    StringBuilder buffer = new StringBuilder();
    for (Set<String> part : parts) {
        if (buffer.length() > 0) {
            buffer.append(":");
        }
        buffer.append(part);
    }
    return buffer.toString();
}

public boolean equals(Object o) {
    if (o instanceof WildcardPermission) {
        WildcardPermission wp = (WildcardPermission) o;
        return parts.equals(wp.parts);
    }
    return false;
}

public int hashCode() {
    return parts.hashCode();
}

}
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```

```

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*/
package org.apache.shiro.authz.permission;

/**
 * Interface implemented by a component that wishes to use any application-configured <tt>PermissionResolver</tt>
 * that
 * might already exist instead of potentially creating one itself.
 *
 * <p>This is mostly implemented by { @link org.apache.shiro.authz.Authorizer Authorizer} and
 * { @link org.apache.shiro.realm.Realm Realm} implementations since they
 * are the ones performing permission checks and need to know how to resolve Strings into
 * { @link org.apache.shiro.authz.Permission Permission} instances.
 *
 * @since 0.9
 */
public interface PermissionResolverAware {

    /**
     * Sets the specified <tt>PermissionResolver</tt> on this instance.
     *
     * @param pr the <tt>PermissionResolver</tt> being set.
     */
    public void setPermissionResolver(PermissionResolver pr);
}

```

1.399 spring-expression 5.1.9.RELEASE

1.400 nss-util 3.44.0 3.el7

1.400.1 Available under license :

```

# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Testing Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

```

```

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1.401 net-tools 2.0 0.25.20131004git.el7

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1.404 vertx-jwt 3.6.3

1.405 animal-sniffer-annotation 1.17

1.406 antlr-runtime 4.5.1-1

1.407 apache-httpclient 4.5.6

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1.408 xorg-server 1.0.9 9.e17

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1.410 jaxb-api 2.3.1

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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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- * encoding: US-ASCII
- * tab size: 8 (not used)
- * indentation:4
- *
- * created on: 2005jan16
- * created by: Markus W. Scherer
- *
- * Low-level Unicode bidi/shaping properties access.
- * Java port of ubidi_props.h/c.

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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

<p>An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the bold font" has range (4, 8) replaced with "strong", then it becomes "the strong font".

<p><code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<p><code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

Set the metadata of the new text to the metadata of the first character replaced

If no characters are replaced, use the metadata of the previous character

If there is no previous character (i.e. start == 0), use the following character

If there is no following character (i.e. the replaceable was empty), use default metadata

If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@stable ICU 2.0

<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p>Note: This class does not support attributes and is not intended for general use. Most clients will need to implement { @link Replaceable } in their text representation class.

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@see Replaceable

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*/
```

```
package java.security;
```

```
import java.io.Serializable;
```

```
/**  
 * Legacy security code; do not use.
```

```
*/  
public abstract class Permission implements Guard, Serializable {  
    public Permission(String name) { }  
  
    public final String getName() { return null; }  
  
    public void checkGuard(Object obj) throws SecurityException { }  
  
    public PermissionCollection newPermissionCollection() {  
        return new AllPermissionCollection();  
    }  
  
    public abstract String getActions();  
  
    public abstract boolean implies(Permission permission);  
}
```

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1.415 axis2-jaxws 1.7.4

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~ */
-->

```
<project xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://maven.apache.org/POM/4.0.0"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
```

```
<modelVersion>4.0.0</modelVersion>
<groupId>org.mariadb.jdbc</groupId>
<artifactId>mariadb-java-client</artifactId>
<packaging>jar</packaging>
<name>mariadb-java-client</name>
<version>2.4.0</version>
```

```
<description>JDBC driver for MariaDB and MySQL</description>
<url>https://mariadb.com/kb/en/mariadb/about-mariadb-connector-j/</url>

<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <jna.version>4.5.1</jna.version>
  <version.template.file>src/main/resources/Version.java.template</version.template.file>
  <version.file>src/main/java/org/mariadb/jdbc/internal/util/constant/Version.java</version.file>
  <checkstyleVersion>8.12</checkstyleVersion>
  <checkstyle.plugin.version>2.17</checkstyle.plugin.version>
  <driver.version.major>2</driver.version.major>
  <driver.version.minor>4</driver.version.minor>
  <driver.version.patch>0</driver.version.patch>
  <driver.version.qualifier></driver.version.qualifier>
</properties>

<licenses>
  <license>
    <name>LGPL-2.1</name>
  </license>
</licenses>

<organization>
  <name>mariadb.org</name>
  <url>https://mariadb.org</url>
</organization>

<developers>
  <developer>
    <id>mariadbJdbcDevelopers</id>
    <name>mariadb jdbc developers</name>
    <url>http://mariadb.org/</url>
  </developer>
</developers>

<scm>
  <connection>scm:git:git://github.com/MariaDB/mariadb-connector-j.git</connection>
  <url>https://github.com/MariaDB/mariadb-connector-j</url>
  <developerConnection>scm:git:git@github.com:MariaDB/mariadb-connector-j.git</developerConnection>
</scm>

<issueManagement>
  <system>JIRA</system>
  <url>https://mariadb.atlassian.net/browse/CONJ</url>
</issueManagement>

<distributionManagement>
  <snapshotRepository>
```

```
<id>osrrh</id>
<url>https://oss.sonatype.org/content/repositories/snapshots</url>
</snapshotRepository>
</distributionManagement>
```

```
<build>
```

```
<plugins>
```

```
<plugin>
```

```
<groupId>org.jacoco</groupId>
<artifactId>jacoco-maven-plugin</artifactId>
<version>0.8.2</version>
```

```
<executions>
```

```
<execution>
```

```
<goals>
```

```
<goal>prepare-agent</goal>
```

```
</goals>
```

```
</execution>
```

```
<execution>
```

```
<id>report</id>
```

```
<phase>test</phase>
```

```
<goals>
```

```
<goal>report</goal>
```

```
</goals>
```

```
</execution>
```

```
</executions>
```

```
</plugin>
```

```
<plugin>
```

```
<artifactId>maven-compiler-plugin</artifactId>
```

```
<version>3.6.0</version>
```

```
<configuration>
```

```
<source>1.8</source>
```

```
<target>1.8</target>
```

```
<compilerArgs>
```

```
<arg>-Xlint:all,-options,-path</arg>
```

```
</compilerArgs>
```

```
</configuration>
```

```
</plugin>
```

```
<plugin>
```

```
<groupId>org.apache.maven.plugins</groupId>
```

```
<artifactId>maven-javadoc-plugin</artifactId>
```

```
<version>2.10.4</version>
```

```
<executions>
```

```
<execution>
```

```
<id>attach-javadocs</id>
```

```
<phase>prepare-package</phase>
```

```
<goals>
```

```
<goal>jar</goal>
```

```

    </goals>
  </execution>
</executions>
</plugin>

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>${checkstyle.plugin.version}</version>
  <dependencies>
    <dependency>
      <groupId>com.puppycrawl.tools</groupId>
      <artifactId>checkstyle</artifactId>
      <version>${checkstyleVersion}</version>
    </dependency>
  </dependencies>
  <executions>
    <execution>
      <id>process-test-resources</id>
      <phase>prepare-package</phase>
      <configuration>
        <includeTestSourceDirectory>true</includeTestSourceDirectory>
        <excludes>
          **/SharedMemorySocket.java,
          **/UnixDomainSocket.java,
          **/MySQLDataSource.java,
          **/org/mariadb/jdbc/internal/com/send/authentication/ed25519/**
        </excludes>
        <configLocation>src/test/resources/style.xml</configLocation>
        <encoding>UTF-8</encoding>
        <consoleOutput>true</consoleOutput>
        <failsOnError>true</failsOnError>
      </configuration>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>

<plugin>
  <groupId>com.google.code.maven-replacer-plugin</groupId>
  <artifactId>replacer</artifactId>
  <version>1.5.3</version>
  <executions>
    <execution>
      <phase>generate-sources</phase>
      <goals>

```

```

        <goal>replace</goal>
    </goals>
</execution>
</executions>
<configuration>
    <file>${ version.template.file }</file>
    <outputFile>${ version.file }</outputFile>
    <replacements>
        <replacement>
            <token>@buildtime</token>
            <value>${ maven.build.timestamp }</value>
        </replacement>
        <replacement>
            <token>@version</token>
            <value>${ project.version }</value>
        </replacement>
        <replacement>
            <token>@majorVersion</token>
            <value>${ driver.version.major }</value>
        </replacement>
        <replacement>
            <token>@minorVersion</token>
            <value>${ driver.version.minor }</value>
        </replacement>
        <replacement>
            <token>@patchVersion</token>
            <value>${ driver.version.patch }</value>
        </replacement>
        <replacement>
            <token>@qualifier</token>
            <value>${ driver.version.qualifier }</value>
        </replacement>
    </replacements>
</configuration>
</plugin>
<plugin>
    <groupId>pl.project13.maven</groupId>
    <artifactId>git-commit-id-plugin</artifactId>
    <version>2.2.1</version>
    <executions>
        <execution>
            <id>get-the-git-infos</id>
            <goals>
                <goal>revision</goal>
            </goals>
        </execution>
    </executions>

```

```

<configuration>
  <prefix>git</prefix>
</configuration>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>exec-maven-plugin</artifactId>
  <version>1.4.0</version>
  <executions>
    <execution>
      <phase>install</phase>
      <goals>
        <goal>exec</goal>
      </goals>
    </execution>
  </executions>
  <configuration>
    <executable>git</executable>
    <arguments>
      <argument>archive</argument>
      <argument>--format</argument>
      <argument>tar.gz</argument>
      <argument>--output</argument>
      <argument>${project.name}-${git.commit.id.describe}.tar.gz</argument>
      <argument>${git.branch}</argument>
    </arguments>
  </configuration>
</plugin>

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-jar-plugin</artifactId>
  <version>3.0.2</version>
  <configuration>
    <archive>
      <manifestFile>src/main/resources/META-INF/MANIFEST.MF</manifestFile>
      <manifestEntries>
        <Bundle-Version>${project.version}</Bundle-Version>
        <Bundle-ManifestVersion>2</Bundle-ManifestVersion>
        <Bundle-Name>mariadb-java-client</Bundle-Name>
        <Bundle-SymbolicName>org.mariadb.jdbc</Bundle-SymbolicName>
        <Automatic-Module-Name>org.mariadb.jdbc</Automatic-Module-Name>
        <Export-Package>org.mariadb.jdbc</Export-Package>
        <Import-Package>
          javax.naming,javax.management,javax.net;resolution:=optional,javax.net.ssl;resolution:=optional,javax.sql,javax.tra
          nsaction.xa;resolution:=optional,org.slf4j;resolution:=optional
        </Import-Package>
      </manifestEntries>
    </archive>
  </configuration>
</plugin>

```

```

    </archive>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.0.1</version>
  <executions>
    <execution>
      <!--package phase-->
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>build-helper-maven-plugin</artifactId>
  <version>1.12</version>
  <executions>
    <execution>
      <!--validate phase-->
      <id>parse-version</id>
      <phase>generate-sources</phase>
      <goals>
        <goal>parse-version</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.sonatype.plugins</groupId>
  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.6</version>
  <extensions>>true</extensions>
  <executions>
    <execution>
      <phase>deploy</phase>
    </execution>
  </executions>
  <configuration>
    <serverId>osrh</serverId>
    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
    <autoReleaseAfterClose>>false</autoReleaseAfterClose>
  </configuration>
</plugin>

```

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-gpg-plugin</artifactId>
  <version>1.6</version>
  <executions>
    <execution>
      <phase>verify</phase>
      <goals>
        <goal>sign</goal>
      </goals>
    </execution>
  </executions>
</plugin>

</plugins>
</build>
```

```
<dependencies>
  <dependency>
    <groupId>com.github.waffle</groupId>
    <artifactId>waffle-jna</artifactId>
    <version>1.9.0</version>
    <optional>true</optional>
  </dependency>
```

```
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.12</version>
  <scope>test</scope>
</dependency>
```

```
<dependency>
  <groupId>com.zaxxer</groupId>
  <artifactId>HikariCP</artifactId>
  <version>2.4.7</version>
  <scope>test</scope>
</dependency>
```

```
<dependency>
  <groupId>net.java.dev.jna</groupId>
  <artifactId>jna</artifactId>
  <version>${jna.version}</version>
  <optional>true</optional>
</dependency>
```

```
<dependency>
  <groupId>net.java.dev.jna</groupId>
  <artifactId>jna-platform</artifactId>
  <version>${jna.version}</version>
```

```

        <optional>true</optional>
    </dependency>
</dependency>
    <groupId>org.slf4j</groupId>
    <artifactId>slf4j-api</artifactId>
    <version>[1.4.0,1.7.25]</version>
    <optional>true</optional>
</dependency>

<dependency>
    <groupId>ch.qos.logback</groupId>
    <artifactId>logback-classic</artifactId>
    <version>1.2.3</version>
    <scope>test</scope>
</dependency>
</dependencies>
</project>

```

1.419 txw2 2.3.2

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Source Code

The project maintains the following source code repositories:

- * <https://github.com/eclipse-ee4j/jaxb-ri>
- * <https://github.com/eclipse-ee4j/jaxb-istack-commons>
- * <https://github.com/eclipse-ee4j/jaxb-dtd-parser>
- * <https://github.com/eclipse-ee4j/jaxb-fi>
- * <https://github.com/eclipse-ee4j/jaxb-stax-ex>
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* Source:

<https://svn.apache.org/viewvc/maven/shared/tags/file-management-3.0.0/>

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* Source:

<https://mvnrepository.com/artifact/org.apache.maven/maven-compat/3.5.2>

maven-core (3.5.2)

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* Project: <https://maven.apache.org/ref/3.5.2/maven-core/index.html>

* Source: <https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2>

maven-plugin-annotations (3.5)

* License: Apache-2.0

* Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/>

* Source:

<https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations>

maven-plugin-api (3.5.2)

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maven-resolver-api (1.1.1)

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maven-resolver-api (1.1.1)

* License: Apache-2.0

maven-resolver-connector-basic (1.1.1)

* License: Apache-2.0

maven-resolver-impl (1.1.1)

* License: Apache-2.0

maven-resolver-spi (1.1.1)

* License: Apache-2.0

maven-resolver-transport-file (1.1.1)

* License: Apache-2.0

* Project: <https://maven.apache.org/resolver/maven-resolver-transport-file/>

* Source:

<https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file>

maven-resolver-util (1.1.1)

* License: Apache-2.0

maven-settings (3.5.2)

* License: Apache-2.0

* Source:

<https://mvnrepository.com/artifact/org.apache.maven/maven-settings/3.5.2>

OSGi Service Platform Core Companion Code (6.0)

* License: Apache License, 2.0

plexus-archiver (3.5)

- * License: Apache-2.0
- * Project: <https://codehaus-plexus.github.io/plexus-archiver/>
- * Source: <https://github.com/codehaus-plexus/plexus-archiver>

plexus-io (3.0.0)

- * License: Apache-2.0

plexus-utils (3.1.0)

- * License: Apache- 2.0 or Apache- 1.1 or BSD or Public Domain or Indiana University Extreme! Lab Software License V1.1.1 (Apache 1.1 style)

relaxng-datatype (1.0)

- * License: New BSD license

Sax (0.2)

- * License: SAX-PD
- * Project: <http://www.megginson.com/downloads/SAX/>
- * Source: http://sourceforge.net/project/showfiles.php?group_id=29449

testng (6.14.2)

- * License: Apache-2.0 AND (MIT OR GPL-1.0+)
- * Project: <https://testng.org/doc/index.html>
- * Source: <https://github.com/cbeust/testng>

wagon-http-lightweight (3.0.0)

- * License: Pending
- * Project: <https://maven.apache.org/wagon/>
- * Source:
<https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>

xz for java (1.8)

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1.420 netty-handler-proxy 4.1.38

1.421 nginx 1.16.1 1.el7.ngx

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 */
```

1.422 jakarta ws rs api 2.1.5

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```
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```
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Source Code

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* <https://github.com/eclipse-ee4j/jaxrs-api>

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javaee-api (7.0)

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JUnit (4.11)

* License: Common Public License 1.0

Mockito (2.16.0)

* Project: <http://site.mockito.org>

* Source: <https://github.com/mockito/mockito/releases/tag/v2.16.0>

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:: Author: Christoph.Wedler@sap.com

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1.441 hdrhistogram 2.1.9

1.442 perl-dbd-mysql 4.023 6.e17

1.443 jersey-client 2.28

1.443.1 Available under license :

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1.449 zlib 1.2.8

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1.450 nspr 4.21.0 1.el7

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```
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*/

```

=====
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```

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```

```
=====
== For the style.css library           ==
== For the common.js library          ==
=====
```

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-- activemq-web

=====
== For the behaviour.js library ==
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--activemq-web-demo

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--activemq-web-console

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== For the standardista-table-sorting.js library
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== For the css.js library
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== For the style.css library           ==
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-- activemq-web

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Initial authors:

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-- activemq-web

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== For the behaviour.js library

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== For the standardista-table-sorting.js library

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== For the css.js library

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== For the common.js library

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1.458 aggs-matrix-stats-client 6.8.1

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1.464 ingest-common 6.8.1

1.465 curl 7.29.0 54.e17

1.465.1 Available under license :

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=====

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yassl <http://www.yassl.com/>

(May be used for SSL/TLS support) Uses the GPL[1] license. If this is a problem for you, consider using OpenSSL or GnuTLS instead.

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axTLS <http://axtls.sourceforge.net/>

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c-ares <http://daniel.haxx.se/projects/c-ares/license.html>

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

MIT Kerberos <http://web.mit.edu/kerberos/www/dist/>

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fbopenssl

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libidn <http://josefsson.org/libidn/>

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1.466 regex 2.7.2

1.467 commons-http-client 3.1

1.468 commons-codec 1.11

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java
contains test data from <http://aspell.net/test/orig/batch0.tab>.

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1.469 jackson 2.8.11

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1.470 reflectasm 1.11.3

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1.471 log4j-api 2.11.1

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1.474 ha-api 3.1.12

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1.475 jackson-databind 2.8.11.3

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1.478 spring-tx 5.1.9.RELEASE

1.479 hibernate-validator-annotation-processor 6.0.16

1.480 log4j-api 2.11.2

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1.483 stax 3.1.4

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*/
```

```
package java.security.acl;
```

```
/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 * @since 1.1
 *
 * @deprecated This class is deprecated and subject to removal in a future
 * version of Java SE. It has been replaced by { @code java.security.Policy }
 * and related classes since 1.2.
 */
```

```
@Deprecated(since="9", forRemoval=true)
```

```
public interface Permission {
```

```
/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 *
 * @param another the Permission object to compare with.
 *
 * @return true if the Permission objects are equal, false otherwise
 */
```

```
public boolean equals(Object another);
```

```
/**
 * Prints a string representation of this permission.
 *
 * @return the string representation of the permission.
 */
```

```
public String toString();
```

```
}
```

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* or visit www.oracle.com if you need additional information or have any
* questions.
*/
```

```
/**
```

```
*
```

```
*/
```

```
import java.rmi.Remote;
public interface Legal extends Remote {};
## CUP Parser Generator for Java v 0.10k
```

```
### CUP Parser Generator License
```

```
<pre>
```

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import java.util.GregorianCalendar;

import java.util.Locale;

import java.util.TimeZone;

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private static final String ORACLE2012 =

"/*\n" +

" * Copyright (c) %d, Oracle and/or its affiliates. All rights reserved.\n" +

" */\n";

private static final String ORACLE_AFTER2012 =

"/*\n" +

" * Copyright (c) 2012, %d, Oracle and/or its affiliates. All rights reserved.\n" +

" */\n";

// Last updated: - 6/06/2016, 1:42:31 PM

private static final String UNICODE =

```
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" *\n" +  
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" * Distributed under the Terms of Use in \n" +  
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```

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" */\n";

```

```
private static String OPENJDK_AFTER2012 =
```

```

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" * Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA\n" +
" * or visit www.oracle.com if you need additional information or have any\n" +
" * questions.\n" +
" */\n";

```

```
static String getOracleCopyright() {
```

```

    int year = getYear();
    return String.format(year > 2012 ? ORACLE_AFTER2012 : ORACLE2012, year);
}

static String getUnicodeCopyright() {
    return UNICODE;
}

static String getOpenJDKCopyright() {
    int year = getYear();
    return String.format(year > 2012 ? OPENJDK_AFTER2012 : OPENJDK2012, year);
}

private static int getYear() {
    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
        Locale.US).get(Calendar.YEAR);
}

// no instantiation
private CopyrightHeaders() {
}
}
## Harfbuzz v1.8.2

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http://cgit.freedesktop.org/harfbuzz/tree/COPYING
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```

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DOM Level 3 Core Specification v1.0

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```
</pre>
<component name="CopyrightManager">
  <settings default="langtools">
    <LanguageOptions name="JAVA">
      <option name="fileLocation" value="1" />
    </LanguageOptions>
  </settings>
</component>
## jQuery Migrate v3.0.1

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...

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```

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Independent JPEG Group: JPEG release 6b

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```
</pre>
```

```
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```

```
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```

```
``
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  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=us-ascii" />
  <title>W3C IPR SOFTWARE NOTICE</title>
<style type="text/css">
<!--
```

```
html, body { background: #fff; color: #000; } /* body for Windows IE3 */
-->
</style>
</head>
<body>
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  </h1>
  <h3>
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  <p>
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```
</p>
</body>
</html>
## JSZip v3.1.5
```

```
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```

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```
</pre>
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```

```
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```
</pre>
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```

```
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```

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```

```
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```

```
/*
```

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*/
```

```
package java.security;
```

```
/**
```

```
* Abstract class for representing access to a system resource.
* All permissions have a name (whose interpretation depends on the subclass),
* as well as abstract functions for defining the semantics of the
* particular Permission subclass.
*
* <p>Most Permission objects also include an "actions" list that tells the actions
* that are permitted for the object. For example,
* for a { @code java.io.FilePermission } object, the permission name is
* the pathname of a file (or directory), and the actions list
* (such as "read, write") specifies which actions are granted for the
* specified file (or for files in the specified directory).
* The actions list is optional for Permission objects, such as
```

```

* { @code java.lang.RuntimePermission },
* that don't need such a list; you either have the named permission (such
* as "system.exit") or you don't.
*
* <p>An important method that must be implemented by each subclass is
* the { @code implies } method to compare Permissions. Basically,
* "permission p1 implies permission p2" means that
* if one is granted permission p1, one is naturally granted permission p2.
* Thus, this is not an equality test, but rather more of a
* subset test.
*
* <P> Permission objects are similar to String objects in that they
* are immutable once they have been created. Subclasses should not
* provide methods that can change the state of a permission
* once it has been created.
*
* @see Permissions
* @see PermissionCollection
*
*
* @author Marianne Mueller
* @author Roland Schemers
* @since 1.2
*/

```

```

public abstract class Permission implements Guard, java.io.Serializable {

```

```

    private static final long serialVersionUID = -5636570222231596674L;

```

```

    private String name;

```

```

    /**

```

```

     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *

```

```

     */

```

```

    public Permission(String name) {
        this.name = name;
    }

```

```

    /**

```

```

     * Implements the guard interface for a permission. The
     * { @code SecurityManager.checkPermission } method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.

```

```

*
* @param object the object being guarded (currently ignored).
*
* @throws SecurityException
*     if a security manager exists and its
*     { @code checkPermission} method doesn't allow access.
*
* @see Guard
* @see GuardedObject
* @see SecurityManager#checkPermission
*
*/
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 *
 * <p>The { @code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 *
 * @param permission the permission to check against.
 *
 * @return true if the specified permission is implied by this object,
 * false if not.
 */

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <P>
 * Do not use the { @code equals} method for making access control
 * decisions; use the { @code implies} method.
 *
 * @param obj the object we are testing for equality with this object.
 *
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

```

```

/**
 * Returns the hash code value for this Permission object.
 * <P>
 * The required { @code hashCode } behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * { @code hashCode } method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application.
 * <li>If two Permission objects are equal according to the
 * { @code equals }
 * method, then calling the { @code hashCode } method on each of the
 * two Permission objects must produce the same integer result.
 * </ul>
 *
 * @return a hash code value for this object.
 */

```

```

public abstract int hashCode();

```

```

/**
 * Returns the name of this Permission.
 * For example, in the case of a { @code java.io.FilePermission },
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 *
 */

```

```

public final String getName() {
    return name;
}

```

```

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");

```

```

* </pre>
*
* both return
* "read,write" when the { @code getActions } method is invoked.
*
* @return the actions of this Permission.
*
*/

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the { @code PermissionCollection.implies } method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + "\" \" + name + "\")";
    } else {
        return "(" + getClass().getName() + "\" \" + name +
            "\" \" + actions + "\")";
    }
}
}
}

```

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Version

Uses Fedora Core 6 fonts and file paths.
version=1

Component Font Mappings

dialog.plain.latin-1=DejaVu LGC Sans
dialog.plain.japanese-x0208=Sazanami Gothic
dialog.plain.korean=Baekmuk Gulim
dialog.plain.chinese-big5=AR PL ShanHeiSun Uni
dialog.plain.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.bold.latin-1=DejaVu LGC Sans Bold
dialog.bold.japanese-x0208=Sazanami Gothic
dialog.bold.korean=Baekmuk Gulim
dialog.bold.chinese-big5=AR PL ShanHeiSun Uni
dialog.bold.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.italic.latin-1=DejaVu LGC Sans Oblique
dialog.italic.japanese-x0208=Sazanami Gothic
dialog.italic.korean=Baekmuk Gulim
dialog.italic.chinese-big5=AR PL ShanHeiSun Uni
dialog.italic.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.bolditalic.latin-1=DejaVu LGC Sans Bold Oblique
dialog.bolditalic.japanese-x0208=Sazanami Gothic
dialog.bolditalic.korean=Baekmuk Gulim
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sansserif.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
sansserif.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

serif.plain.latin-1=DejaVu LGC Serif
serif.plain.japanese-x0208=Sazanami Mincho
serif.plain.korean=Baekmuk Batang
serif.plain.chinese-big5=AR PL ZenKai Uni
serif.plain.chinese-gb18030=AR PL ZenKai Uni

serif.bold.latin-1=DejaVu LGC Serif Bold
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dialoginput.italic.latin-1=DejaVu LGC Sans Mono Oblique
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dialoginput.bolditalic.japanese-x0208=Sazanami Gothic
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dialoginput.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

Search Sequences

sequence.allfonts=latin-1
sequence.allfonts.Big5=chinese-big5,latin-1
sequence.allfonts.x-euc-jp-bsd=japanese-x0208,latin-1

sequence.allfonts.EUC-KR=korean,latin-1
sequence.allfonts.GB18030=chinese-gb18030,latin-1
sequence.fallback=chinese-big5,chinese-gb18030,japanese-x0208,korean

Font File Names

filename.DejaVu_LGC_Sans=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans.ttf
filename.DejaVu_LGC_Sans_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Bold.ttf
filename.DejaVu_LGC_Sans_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Oblique.ttf
filename.DejaVu_LGC_Sans_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-BoldOblique.ttf

filename.DejaVu_LGC_Sans_Mono=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono.ttf
filename.DejaVu_LGC_Sans_Mono_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Bold.ttf
filename.DejaVu_LGC_Sans_Mono_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Oblique.ttf
filename.DejaVu_LGC_Sans_Mono_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-BoldOblique.ttf

filename.DejaVu_LGC_Serif=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif.ttf
filename.DejaVu_LGC_Serif_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Bold.ttf
filename.DejaVu_LGC_Serif_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Oblique.ttf
filename.DejaVu_LGC_Serif_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-BoldOblique.ttf

filename.Sazanami_Gothic=/usr/share/fonts/japanese/TrueType/sazanami-gothic.ttf
filename.Sazanami_Mincho=/usr/share/fonts/japanese/TrueType/sazanami-mincho.ttf
filename.AR_PL_ShanHeiSun_Uni=/usr/share/fonts/chinese/TrueType/uming.ttf
filename.AR_PL_ZenKai_Uni=/usr/share/fonts/chinese/TrueType/ukai.ttf
filename.Baekmuk_Gulim=/usr/share/fonts/korean/TrueType/gulim.ttf
filename.Baekmuk_Batang=/usr/share/fonts/korean/TrueType/batang.ttf

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```

```
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```

```
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```

```
<option name="keyword" value="Copyright" />
```

```
<option name="allowReplaceKeyword" value="" />
```

```
<option name="myName" value="langtools" />
```

```
<option name="myLocal" value="true" />
```

```
</copyright>
```

```
</component>
```

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
July 15, 2018

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The Unicode Standard, Unicode Character Database, Version 10.0.0

Unicode Character Database

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

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* questions.

*/

/**

* @test

* @bug 4886069 8023045

* @summary Confirm that printer recognizes the Legal selection either by
* prompting the user to put Legal paper or automatically selecting
* the tray containing Legal Paper. The printout image should not
* be shifted up by about 3".

* @run main/manual PrintTest

*

*/

import java.awt.*;

import java.awt.event.*;

import javax.swing.*;

import javax.swing.border.*;

import java.awt.print.*;

import javax.print.*;

import javax.print.attribute.*;

import javax.print.attribute.standard.*;

import java.io.*;

```
public class PrintTest extends JFrame {
    private JPanel contentPane;
    private JMenuBar jMenuBar1 = new JMenuBar();
    private JMenu jMenuFile = new JMenu();
    private JMenuItem jMenuItem1 = new JMenuItem();
```

```

private BorderLayout borderLayout1 = new BorderLayout();
private JPanel jPanel1 = new JPanel();
private BorderLayout borderLayout2 = new BorderLayout();
private JScrollPane jScrollPane1 = new JScrollPane();
private JTextArea jTextArea1 = new JTextArea();
private Border border1;

//Construct the frame
public PrintTest() {
    enableEvents(AWTEvent.WINDOW_EVENT_MASK);
    try {
        jInit();
    }
    catch(Exception e) {
        e.printStackTrace();
    }
}
private void jInit() throws Exception {
    contentPane = (JPanel) this.getContentPane();
    border1 = BorderFactory.createLineBorder(Color.black,1);
    contentPane.setLayout(borderLayout1);
    this.setTitle("Print Test");
    jMenuItem1.setText("File");
    jMenuItem1.setText("Print");
    jMenuItem1.setAccelerator(javax.swing.KeyStroke.getKeyStroke(80, java.awt.event.KeyEvent.CTRL_MASK,
false));
    jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(ActionEvent e) {
            jMenuItem1_actionPerformed(e);
        }
    });
    jPanel1.setLayout(borderLayout2);
    jTextArea1.setBorder(border1);
    jTextArea1.setText("1. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "2. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "3. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "4. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "5. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "6. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "7. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "8. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "9. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "10. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "11. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "12. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "13. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
        "14. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+

```

```

"15. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"16. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"17. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"18. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"19. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"20. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"21. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"22. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"23. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"24. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"25. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"26. This is a printer test designed to illustrate a bug in the java printing API.\n\n"+
"27. This is a printer test designed to illustrate a bug in the java printing API.");
jMenuItem1.add(jMenuItem1);
contentPane.add(jPanel1, BorderLayout.CENTER);
jPanel1.add(jScrollPane1, BorderLayout.CENTER);
jScrollPane1.getViewport().add(jTextArea1, null);
jScrollPane1.setPreferredSize(new Dimension(468,648));
jTextArea1.setPreferredSize(new Dimension(468,864));
jMenuBar1.add(jMenuItem1);
this.setJMenuBar(jMenuBar1);
}

protected void processWindowEvent(WindowEvent e) {
    super.processWindowEvent(e);
    if (e.getID() == WindowEvent.WINDOW_CLOSING) {
        System.exit(0);
    }
}

void jMenuItem1_actionPerformed(ActionEvent e) {
    PrintUtils.printComponent(jTextArea1);
}

public static class PrintUtils implements Printable {
    private JComponent componentToBePrinted;
    protected double scale = 1.0;
    PrintRequestAttributeSet pras = new HashPrintRequestAttributeSet();

    public static void printComponent(JComponent c) {
        new PrintUtils(c).print();
    }

    public PrintUtils(JComponent componentToBePrinted) {

```

```

this.componentToBePrinted = componentToBePrinted;

}

void print() {
    DocFlavor flavor = DocFlavor.SERVICE_FORMATTED.PRINTABLE;
    pras.add(MediaSizeName.NA_LEGAL);

    PrintService printService[] = PrintServiceLookup.lookupPrintServices(flavor,pras);
    PrintService defaultService = PrintServiceLookup.lookupDefaultPrintService();
    if ((defaultService == null) || (printService.length == 0)) {
        System.out.println("No default print service found. Test aborted.");
        return;
    }

    PrintService service = ServiceUI.printDialog(null,100,100,printService,defaultService,flavor,pras);

    if(service != null) {
        DocPrintJob job = service.createPrintJob();
        DocAttributeSet das = new HashDocAttributeSet();

        Doc doc = new SimpleDoc(this,flavor,das);

        try {
            job.print(doc,pras);

        } catch(PrintException pe) {
            pe.printStackTrace();
        }
    }
}

public int print(Graphics g, PageFormat pageFormat, int pageIndex)
{

    double h=componentToBePrinted.getHeight();
    double pageHeight=pageFormat.getImageableHeight();

    if (pageIndex * pageHeight > h * scale) {
        return(NO_SUCH_PAGE);
    } else {

        Graphics2D g2d = (Graphics2D)g;

        //move past unprintable area
        double xOffset=pageFormat.getImageableX();

```

```

double yOffset=pageFormat.getImageableY();
g2d.translate(xOffset,yOffset);

//move to correct page taking into account the scaling
double newX=0;
double newY=pageHeight*(-pageIndex);
g2d.translate(newX / 1.0,newY / 1.0 );

//print

componentToBePrinted.print(g2d);
return(PAGE_EXISTS);
}
}

public static void disableDoubleBuffering(Component c) {
    RepaintManager currentManager = RepaintManager.currentManager(c);
    currentManager.setDoubleBufferingEnabled(false);
}

/** Re-enables double buffering globally. */

public static void enableDoubleBuffering(Component c) {
    RepaintManager currentManager = RepaintManager.currentManager(c);
    currentManager.setDoubleBufferingEnabled(true);
}
}

public static void main(String[] args) {
    try {
        UIManager.setLookAndFeel(UIManager.getSystemLookAndFeelClassName());
    }
    catch(Exception e) {
        e.printStackTrace();
    }
    PrintTest frame = new PrintTest();
    frame.pack();

    Dimension screenSize = Toolkit.getDefaultToolkit().getScreenSize();
    Dimension frameSize = frame.getSize();
    if (frameSize.height > screenSize.height) {
        frameSize.height = screenSize.height;
    }
    if (frameSize.width > screenSize.width) {
        frameSize.width = screenSize.width;
    }
    frame.setLocation((screenSize.width - frameSize.width) / 2, (screenSize.height - frameSize.height) / 2);
}

```

```
frame.setVisible(true);  
}
```

```
}
```

```
## Apache Santuario v2.1.1
```

```
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```

```
<pre>
```

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```
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```
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Mesa 3-D Graphics Library v4.1

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Mesa 3-D graphics library

Version: 4.1

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1.494 spring-jdbc 5.1.9

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1.518 commons-lang 2.4

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

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1.520 apache-felix-main 4.4.0

1.520.1 Available under license :

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<br/>
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```

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```

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```

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at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
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```

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The End

From f5488561bdaab57380bf07e8e66778503a41aca3 Mon Sep 17 00:00:00 2001

From: Father Chrysostomos <sprout@cpan.org>

Date: Sun, 23 Sep 2012 12:42:15 -0700

Subject: [PATCH] =?UTF-8?q?Don=E2=80=99t=20leak=20if=20hh=20copying=20dies?=
MIME-Version: 1.0

MIME-Version: 1.0

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

Content-Transfer-Encoding: 8bit

When %^H is copied on entering a new scope, if it happens to have been tied it can die. This was resulting in leaks, because no protections were added to handle that case.

The two things that were leaking were the new hash in hv_copy_hints_hv and the new value (for an element) in newSVsv.

By fixing newSVsv itself, this also fixes any potential leaks when other pieces of code call newSVsv on explosive values.

Petr Pizar: Ported to 5.16.3

hv.c | 6 ++++++

sv.c | 7 +++++-

t/op/svleak.t | 22 ++++++

3 files changed, 31 insertions(+), 4 deletions(-)

diff --git a/hv.c b/hv.c

index 3c35341..29d6352 100644

--- a/hv.c

+++ b/hv.c

@@ -1440,6 +1440,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)

const I32 riter = HvRITER_get(ohv);

```

HE * const eiter = HvEITER_get(ohv);

+ ENTER;
+ SAVEFREESV(hv);
+
while (hv_max && hv_max + 1 >= hv_fill * 2)
    hv_max = hv_max / 2;
HvMAX(hv) = hv_max;
@@ -1461,6 +1464,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
}
HvRITER_set(ohv, riter);
HvEITER_set(ohv, eiter);
+
+ SvREFCNT_inc_simple_void_NN(hv);
+ LEAVE;
}
hv_magic(hv, NULL, PERL_MAGIC_hints);
return hv;
diff --git a/sv.c b/sv.c
index a43feac..597d71b 100644
--- a/sv.c
+++ b/sv.c
@@ -8764,11 +8764,12 @@ Perl_newSVsv(pTHX_ register SV *const old)
Perl_ck_warner_d(aTHX_ packWARN(WARN_INTERNAL), "semi-panic: attempt to dup freed string");
return NULL;
}
+ /* Do this here, otherwise we leak the new SV if this croaks. */
+ SvGETMAGIC(old);
new_SV(sv);
- /* SV_GMAGIC is the default for sv_setv()
- SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
+ /* SV_NOSTEAL prevents TEMP buffers being, well, stolen, and saves games
with SvTEMP_off and SvTEMP_on round a call to sv_setsv. */
- sv_setsv_flags(sv, old, SV_GMAGIC | SV_NOSTEAL);
+ sv_setsv_flags(sv, old, SV_NOSTEAL);
return sv;
}

diff --git a/t/op/svleak.t b/t/op/svleak.t
index 2f09af3..011c184 100644
--- a/t/op/svleak.t
+++ b/t/op/svleak.t
@@ -13,7 +13,7 @@ BEGIN {
or skip_all("XS::APItest not available");
}

-plan tests => 23;
+plan tests => 24;

```

```

# run some code N times. If the number of SVs at the end of loop N is
# greater than (N-1)*delta at the end of loop 1, we've got a leak
@@ -176,3 +176,23 @@ leak(2, 0, sub {
    each %$h;
    undef $h;
}, 'tied hash iteration does not leak');
+
+# [perl #107000]
+package hhtie {
+  sub TIEHASH { bless [] }
+  sub STORE   { $_[0][0]{$_[1]} = $_[2] }
+  sub FETCH   { die if $explosive; $_[0][0]{$_[1]} }
+  sub FIRSTKEY { keys %{$_[0][0]}; each %{$_[0][0]} }
+  sub NEXTKEY  { each %{$_[0][0]} }
+}
+leak(2,!!$Config{mad}, sub {
+  eval q`
+  BEGIN {
+    $hhtie::explosive = 0;
+    tie %^H, hhtie;
+    $^H{foo} = bar;
+    $hhtie::explosive = 1;
+  }
+  { 1; }
+  `;
+}, 'hint-hash copying does not leak');
--

```

1.8.1.4

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```
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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

```

build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3
use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#-----#
# Create test distribution
#-----#

{
my $dist = DistGen->new(
name => 'Simple::Name',
version => '0.01',
license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
"license 'perl' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'perl', "META license will be 'perl'" );

```

```

is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
    "META license URL is correct"
);

}

{
my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
    "license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
    "META license URL is correct"
);

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2

```

The "Artistic License"

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

1.526 lucene-spatial-extras 7.7.0

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```

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```
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program `Gnomovision' (which makes passes at compilers) written by
James Hacker.
```

```
signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
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*/
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```
package java.security.acl;
```

```
/**
```

```
* This interface represents a permission, such as that used to grant
```

```
* a particular type of access to a resource.
```

```
*
```

```
* @author Satish Dharmaraj
```

```
*/
```

```
public interface Permission {
```

```
    /**
```

```
     * Returns true if the object passed matches the permission represented
```

```
     * in this interface.
```

```
     *
```

```
     * @param another the Permission object to compare with.
```

```
     *
```

```
     * @return true if the Permission objects are equal, false otherwise
```

```
     */
```

```
    public boolean equals(Object another);
```

```
    /**
```

```

* Prints a string representation of this permission.
*
* @return the string representation of the permission.
*/
public String toString();

}
3
equals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
SourceFilePermission.javajava/security/acl/Permissionjava/lang/Object
/*
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*/

package java.security;

/**
* Abstract class for representing access to a system resource.
* All permissions have a name (whose interpretation depends on the subclass),
* as well as abstract functions for defining the semantics of the
* particular Permission subclass.
*
* <p>Most Permission objects also include an "actions" list that tells the actions
* that are permitted for the object. For example,
* for a <code>java.io.FilePermission</code> object, the permission name is
* the pathname of a file (or directory), and the actions list
* (such as "read, write") specifies which actions are granted for the

```

- * specified file (or for files in the specified directory).
- * The actions list is optional for Permission objects, such as
- * `java.lang.RuntimePermission`,
- * that don't need such a list; you either have the named permission (such
- * as "system.exit") or you don't.
- *
- *

An important method that must be implemented by each subclass is
- * the `implies` method to compare Permissions. Basically,
- * "permission p1 implies permission p2" means that
- * if one is granted permission p1, one is naturally granted permission p2.
- * Thus, this is not an equality test, but rather more of a
- * subset test.
- *
- *

Permission objects are similar to String objects in that they
- * are immutable once they have been created. Subclasses should not
- * provide methods that can change the state of a permission
- * once it has been created.
- *
- * @see Permissions
- * @see PermissionCollection
- *
- *
- * @author Marianne Mueller
- * @author Roland Schemers
- */

```
public abstract class Permission implements Guard, java.io.Serializable {
```

```
    private static final long serialVersionUID = -5636570222231596674L;
```

```
    private String name;
```

```
    /**
```

```
     * Constructs a permission with the specified name.
```

```
     *
```

```
     * @param name name of the Permission object being created.
```

```
     *
```

```
    */
```

```
    public Permission(String name) {
```

```
        this.name = name;
```

```
    }
```

```
    /**
```

```
     * Implements the guard interface for a permission. The
```

```
     * SecurityManager.checkPermission method is called,
```

```
     * passing this permission object as the permission to check.
```

```
     * Returns silently if access is granted. Otherwise, throws
```

```

* a SecurityException.
*
* @param object the object being guarded (currently ignored).
*
* @throws SecurityException
*     if a security manager exists and its
*     <code>checkPermission</code> method doesn't allow access.
*
* @see Guard
* @see GuardedObject
* @see SecurityManager#checkPermission
*
*/
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 *
 * <p>The <code>implies</code> method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 *
 * @param permission the permission to check against.
 *
 * @return true if the specified permission is implied by this object,
 * false if not.
 */

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <P>
 * Do not use the <code>equals</code> method for making access control
 * decisions; use the <code>implies</code> method.
 *
 * @param obj the object we are testing for equality with this object.
 *
 * @return true if both Permission objects are equivalent.
 */

```

```

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <P>
 * The required <code>hashCode</code> behavior for Permission Objects is
 * the following: <p>
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * <code>hashCode</code> method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application. <p>
 * <li>If two Permission objects are equal according to the
 * <code>equals</code>
 * method, then calling the <code>hashCode</code> method on each of the
 * two Permission objects must produce the same integer result.
 * </ul>
 *
 * @return a hash code value for this object.
 */

```

```

public abstract int hashCode();

```

```

/**
 * Returns the name of this Permission.
 * For example, in the case of a <code>java.io.FilePermission</code>,
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 *
 */

```

```

public final String getName() {
    return name;
}

```

```

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");

```

```

* perm2 = new FilePermission(p2,"write,read");
* </pre>
*
* both return
* "read,write" when the <code>getActions</code> method is invoked.
*
* @return the actions of this Permission.
*
*/

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the <code>PermissionCollection.implies</code> method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + "\" \" + name + "\"";
    } else {
        return "(" + getClass().getName() + "\" \" + name +
            "\" \" + actions + "\"";
    }
}
}

```

}

1.539 jline-style 3.10.0

1.540 lucene-spatial3d 7.7.0

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TABLE OF CONTENTS

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- >>> Apache Groovy (org.codehaus.groovy:groovy)
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- >>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
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>>> org.apache.maven:maven-model-builder
>>> org.apache.maven:maven-repository-metadata
>>> org.apache.maven:maven-settings
>>> org.apache.maven:maven-settings-builder
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file_io/unix/mktemp.c, strings/apr_strings.c:

/*

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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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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1.554 jackson-dataformat-yaml 2.8.11

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1.556 java-mail 1.6.4

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1.563 javax-websocket-api 1.1

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1.571 perl-podlators 2.5.1 3.el7

1.572 tomcat-jasper-el 9.0.22

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1.596 perl-pod-usage 1.63 3.el7

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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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1.607 activemq-stomp 5.15.9

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1.608 jaxb-core 2.3.0

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1.611 libxfont 7.5 21.e17

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intended for inclusion in X11 public releases. */

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Source Code

The project maintains the following source code repositories:

- * <https://github.com/eclipse-ee4j/metro-xmlstreambuffer>
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addressing.xml Version: 2004/10 (n/a)

- * License: W3C
- * Project: <https://www.w3.org/Submission/ws-addressing/>
- * Source: <http://schemas.xmlsoap.org/ws/2004/08/addressing/>

ant-launcher (1.10.2)

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JUnit (4.12)

- * License: Eclipse Public License

maven-core (3.5.2)

- * License: Apache-2.0

maven-plugin-annotations (3.5.1)

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- * Project:
<https://maven.apache.org/plugin-tools/maven-plugin-annotations/project-info.html>
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maven-settings (3.5.2)

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- * License: Oasis Style
- * Project: <https://www.w3.org/Submission/WS-MetadataExchange/#appendix-II>
- * Source: <http://schemas.xmlsoap.org/ws/2004/09/mex/MetadataExchange.xsd>

plexus-utils (3.1.0)

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relaxng-datatype (1.0)

- * License: New BSD license

stax2-api (4.1)

- * License: Pending
- * Project: <https://github.com/FasterXML/stax2-api>
- * Source:
<http://central.maven.org/maven2/org/codehaus/woodstox/stax2-api/4.1/stax2-api-4.1-sources.jar>

testng (6.14.2)

- * License: Apache-2.0 AND MIT
- * Project: <https://testng.org/doc/index.html>
- * Source: <https://github.com/cbeust/testng>

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ws-addr.wsd (1.0)

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<http://schemas.xmlsoap.org/ws/2005/02/rm/wstrm.xsd;%20http://schemas.xmlsoap.org/ws/2005/02/rm/wstrm-policy.xsd>

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xmlsec (1.5.8)

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1.613 javax-ws-rs-api 2.0

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1.615 joda-time 2.8.2

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
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(at your option) any later version.
```

```
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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

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

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the

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

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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is

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1.628 hazelcast 3.11.3

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```

```
package com.hazelcast.security.permission;
```

```
public class SetPermission extends ListPermission {
```

```
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}
```

```
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```

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*/
```

```
package com.hazelcast.security.permission;
```

```
public class ExecutorServicePermission extends InstancePermission {
```

```
    private static final int ALL = CREATE | DESTROY;
```

```
    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }
}
```

```
@Override
```

```
protected int initMask(String[] actions) {
```

```

int mask = NONE;
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {

```

```

    return false;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}
}
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 */

```

```

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}

```

```

    }
}
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 */

```

```
package com.hazelcast.security.permission;
```

```

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
    }
}

```

```

        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {

```

```

        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}
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*/
```

```
package com.hazelcast.security.permission;
```

```
public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}
```

```

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 */

```

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;
```

```
public class UserCodeDeploymentPermission extends InstancePermission {
```

```
    private static final int DEPLOY = 4;
```

```
    private static final int ALL = DEPLOY;
```

```
    public UserCodeDeploymentPermission(String... actions) {
        super(UserCodeDeploymentService.SERVICE_NAME, actions);
    }

```

```
    @Override
```

```
    protected int initMask(String[] actions) {
```

```
        int mask = NONE;
```

```
        for (String action : actions) {
```

```
            if (ActionConstants.ACTION_ALL.equals(action)) {
```

```
                return ALL;
```

```
            }
```

```
            if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
```

```
                mask |= DEPLOY;
```

```
            }
```

```
        }
```

```
        return mask;
```

```
    }
```

```
}
```

```
/*
```

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```
 *
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 */

```
package com.hazelcast.security.permission;
```

```
public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}
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 */

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;
```

```
public class ClusterPermissionCollection extends PermissionCollection {
```

```
    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;
```

```
    public ClusterPermissionCollection() {
        permClass = null;
    }
```

```
    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }
```

```
    @Override
```

```
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);

        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }
}
```

```

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

```

@Override

```

public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

```

```

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

```

@Override

```

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

```

```

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "];"
}
}
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package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            }
        }
    }
}

```

```

    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}

```

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*/

package com.hazelcast.security.permission;

```

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}

```

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 */
```

```
/**
 * Contains Hazelcast client permissions.
 *
 * @see com.hazelcast.security.jsm
 */
```

```
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```

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 */
```

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
```

```
/**
```

```
*
```

```
*/
```

```
public class ConfigPermission extends ClusterPermission {
```

```
    private static final String CONFIG_PERMISSION_NAME = "<config>";
```

```

private static final String CONFIG_PERMISSION_ACTIONS = "config";

public ConfigPermission() {
    super(CONFIG_PERMISSION_NAME);
}

@Override
public boolean implies(Permission permission) {
    return getClass() == permission.getClass();
}

@Override
public String getActions() {
    return CONFIG_PERMISSION_ACTIONS;
}
}
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 * limitations under the License.
 */

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
    }
}

```

```

    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
    }
}

```

```

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
        mask |= ACQUIRE;
    } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
        mask |= RELEASE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {

    private static final int MODIFY = 4;

    private static final int ALL = MODIFY | CREATE | DESTROY;

    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {

```

```

    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {

```

```

        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LOCK.equals(action)) {
        mask |= LOCK;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;

```

```

    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }
}

@Override

```

```

protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;

```

```

protected static final int CREATE = 1;
protected static final int DESTROY = 2;

private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();

protected final int mask;
protected final String actions;

public InstancePermission(String name, String... actions) {
    super(name);
    if (name == null || "".equals(name)) {
        throw new IllegalArgumentException("Permission name is mandatory!");
    }
    mask = initMask(actions);

    final StringBuilder s = new StringBuilder();
    for (String action : actions) {
        s.append(action).append(" ");
    }
    // trim the trailing space
    if (s.length() > 0) {
        s.setLength(s.length() - 1);
    }
    this.actions = s.toString();
}

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }

    InstancePermission that = (InstancePermission) permission;

    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }

    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

```

```
@Override
public String getActions() {
    return actions;
}
```

```
@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}
```

```
@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}
```

```
}
```

```
/*
```

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*/

```
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashCode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashCode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashCode = result;
        }
        return hashCode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (getClass() != obj.getClass()) {
            return false;
        }
    }
}
```

```

    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}
}
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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }
}

```

```

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;

```

```

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public Permission nextElement() {
        more = false;
        return ALL_PERMISSIONS;
    }
};
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}
}
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*/

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.cache.impl.CacheService;  
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;  
import com.hazelcast.collection.impl.list.ListService;  
import com.hazelcast.collection.impl.queue.QueueService;  
import com.hazelcast.collection.impl.set.SetService;  
import com.hazelcast.concurrent.atomiclong.AtomicLongService;  
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;  
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;  
import com.hazelcast.concurrent.idgen.IdGeneratorService;  
import com.hazelcast.concurrent.lock.LockService;  
import com.hazelcast.concurrent.semaphore.SemaphoreService;  
import com.hazelcast.crdt.pncounter.PNCounterService;  
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;  
import com.hazelcast.executor.impl.DistributedExecutorService;  
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;  
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;  
import com.hazelcast.map.impl.MapService;  
import com.hazelcast.mapreduce.impl.MapReduceService;  
import com.hazelcast.multimap.impl.MultiMapService;  
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;  
import com.hazelcast.ringbuffer.impl.RingbufferService;  
import com.hazelcast.topic.impl.TopicService;
```

```
import java.security.Permission;  
import java.util.HashMap;  
import java.util.Map;
```

```
@SuppressWarnings({"checkstyle:executablestatementcount"})  
public final class ActionConstants {
```

```
    public static final String ACTION_ALL = "all";  
    public static final String ACTION_CREATE = "create";  
    public static final String ACTION_DESTROY = "destroy";  
    public static final String ACTION_MODIFY = "modify";  
    public static final String ACTION_READ = "read";  
    public static final String ACTION_REMOVE = "remove";  
    public static final String ACTION_LOCK = "lock";  
    public static final String ACTION_LISTEN = "listen";
```

```

public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";
public static final String ACTION_AGGREGATE = "aggregate";
public static final String ACTION_PROJECTION = "projection";
public static final String ACTION_USER_CODE_DEPLOY = "deploy";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
}

```

```

});
PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }
});

```

```

    }
  });
  PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new MapReducePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new ReplicatedMapPermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new AtomicReferencePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new CachePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new RingBufferPermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new DurableExecutorServicePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new CardinalityEstimatorPermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new
PermissionFactory() {

```

```

    @Override
    public Permission create(String name, String... actions) {
        return new UserCodeDeploymentPermission(actions);
    }
});
PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});
}

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

}

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*/

```
package com.hazelcast.security.permission;
```

```
public class PNCounterPermission extends InstancePermission {  
  
    private static final int READ = 4;  
    private static final int MODIFY = 8;  
  
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;  
  
    public PNCounterPermission(String name, String... actions) {  
        super(name, actions);  
    }  
  
    @Override  
    protected int initMask(String[] actions) {  
        int mask = NONE;  
        for (String action : actions) {  
            if (ActionConstants.ACTION_ALL.equals(action)) {  
                return ALL;  
            }  
  
            if (ActionConstants.ACTION_CREATE.equals(action)) {  
                mask |= CREATE;  
            } else if (ActionConstants.ACTION_READ.equals(action)) {  
                mask |= READ;  
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {  
                mask |= MODIFY;  
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {  
                mask |= DESTROY;  
            }  
        }  
        return mask;  
    }  
}  
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*/
```

```
package com.hazelcast.security.permission;
```

```
public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
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```

```
package com.hazelcast.security.permission;
```

```
public class CountdownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountdownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}
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```

```
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```

```
public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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```

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```

```
package com.hazelcast.security.permission;
```

```

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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*/

```
package com.hazelcast.security.permission;  
  
import java.security.Permission;  
  
public class TransactionPermission extends ClusterPermission {  
  
    public TransactionPermission() {  
        super("<transaction>");  
    }  
  
    @Override  
    public boolean implies(Permission permission) {  
        return getClass() == permission.getClass();  
    }  
  
    @Override  
    public String getActions() {  
        return "transaction";  
    }  
}
```

1.629 opensaml-security-impl 3.3.0

1.630 tomcat-i18n-es 9.0.22

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1.631 netty-handler 4.1.32

1.632 servlet-api 3.1.0

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Version 2.1, February 1999

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1.644 javapackages-tools 3.4.1 11.el7

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