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Contents

1.1 accessors-smart 1.1
   1.1.1 Available under license
1.2 aerogear-otp-java 1.0.0
   1.2.1 Available under license
1.3 animal-sniffer-annotation 1.0
   1.3.1 Available under license
1.4 annotations 3.0.1
1.5 antisamy 1.5.3
   1.5.1 Available under license
1.6 apache-el 8.0.33
   1.6.1 Available under license
1.7 archaius-core 0.7.4
   1.7.1 Available under license
1.8 asm 5.1
   1.8.1 Available under license
1.9 asm-analysis 5.0.3
   1.9.1 Available under license
1.10 asm-commons 5.1
   1.10.1 Available under license
1.11 asm-tree 5.1
   1.11.1 Available under license
1.12 asm-util 5.0.3
1.13 aspectj 1.8.10
1.14 aspectj-tools 1.8.10
1.15 batik-css 1.8
   1.15.1 Available under license
1.16 batik-ext 1.8
   1.16.1 Available under license
1.17 batik-util 1.8
   1.17.1 Available under license
1.18 bcpxkix-jdk15on 1.56
1.19 Beanshell 2.0b4
   1.19.1 Available under license
1.20 bootstrap 4.1.0
1.21 bouncycastle 1.56
   1.21.1 Available under license
1.22 bouncycastle 1.58
   1.22.1 Available under license
1.23 cassandra-driver-core 3.1.4
1.24 cassandra-lucene-index-builder 3.10.0 :3.10.0
   1.24.1 Available under license
1.25 cassandra-migration-tool 3.1.0.0
1.26 classmate 1.3.3
   1.26.1 Available under license
1.27 commons-beanutils 1.9.3
   1.27.1 Available under license
1.28 commons-beanutils 1.8.3
   1.28.1 Available under license
1.29 commons-beanutils-core 1.8.3
   1.29.1 Available under license
1.30 commons-codec 1.10
   1.30.1 Available under license
1.31 commons-collections 4.2
   1.31.1 Available under license
1.32 commons-collections 3.2.2
   1.32.1 Available under license
1.33 commons-collections4 4.2
   1.33.1 Available under license
1.34 commons-compress 1.18
   1.34.1 Available under license
1.35 commons-configuration 1.8
   1.35.1 Available under license
1.36 commons-digester 2.1
   1.36.1 Available under license
1.37 commons-fileupload 1.3.1
<table>
<thead>
<tr>
<th>Version</th>
<th>Name</th>
<th>License</th>
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</thead>
<tbody>
<tr>
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<td>1.38.1</td>
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<td>compress 1.18</td>
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<td></td>
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</tbody>
</table>
1.58 feign-form 3.3.0
   1.58.1 Available under license

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   1.59.1 Available under license

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   1.60.1 Available under license

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   1.62.1 Available under license

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   1.64.1 Available under license

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   1.65.1 Available under license

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   1.66.1 Available under license

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   1.67.1 Available under license

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   1.68.1 Available under license

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   1.69.1 Available under license

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   1.70.1 Available under license

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   1.71.1 Available under license

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   1.72.1 Available under license

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1.74 hystrix-core 1.5.12
   1.74.1 Available under license

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   1.75.1 Available under license

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   1.76.1 Available under license

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   1.77.1 Available under license

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1.78.1 Available under license
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1.79.1 Available under license
1.80 jackson 1.9.13
1.81 jackson-annotations 2.9.0
1.81.1 Available under license
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1.82.1 Available under license
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1.83.1 Available under license
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1.85 jackson-dataformat-smile 2.9.3
1.86 jackson-dataformat-yaml 2.9.3
1.86.1 Available under license
1.87 jackson-datatype-jdk8 2.9.3
1.88 jackson-datatype-jsr310 2.9.3
1.88.1 Available under license
1.89 jackson-mapper-asl 1.9.13
1.89.1 Available under license
1.90 jackson-module-afterburner 2.9.3
1.91 jackson-module-parameter-names 2.9.3
1.92 javamail 1.5.6
1.92.1 Available under license
1.93 javax.annotation-api 1.2
1.93.1 Available under license
1.94 javax.inject 1
1.94.1 Available under license
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1.95.1 Available under license
1.96 jaxen 1.1.2
1.97 jboss-logging 3.3.1
1.97.1 Available under license
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1.98.1 Available under license
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1.99.1 Available under license
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1.100.1 Available under license
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1.102 jersey-apache-client4 1.19.1
  1.102.1 Available under license

1.103 jersey-client 1.19.1
  1.103.1 Available under license

1.104 jetty 9.4.5.v20170502

1.105 jffi 1.2.10
  1.105.1 Available under license

1.106 jna 4.5.1

1.107 jnc 1.0
  1.107.1 Available under license

1.108 jnr-constants 0.9.0
  1.108.1 Available under license

1.109 jnr-ffi 2.0.7
  1.109.1 Available under license

1.110 jnr-posix 3.0.27
  1.110.1 Available under license

1.111 jnr-x86asm 1.0.2
  1.111.1 Available under license

1.112 joda-time 2.9.9
  1.112.1 Available under license

1.113 jopt-simple 4.9

1.114 jopt-simple 5.0.2

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  1.115.1 Available under license

1.116 jsch 0.1.54
  1.116.1 Available under license

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1.118 json-path 2.2.0
  1.118.1 Available under license

1.119 json-simple 1.1.1
  1.119.1 Available under license

1.120 json-smart 2.2.1
  1.120.1 Available under license

1.121 jsr-305 3.0.1

1.122 jsr305 3.0.1
  1.122.1 Available under license

1.123 jsr311-api 1.1.1
  1.123.1 Available under license

1.124 jul-to-slf4j 1.7.25
1.124.1 Available under license
1.125 kafka-clients 0.10.1.1
1.125.1 Available under license
1.126 kryo 4.0.2
1.127 kryo-parent 4.0.2
1.127.1 Available under license
1.128 kryo-shaded 4.0.2
1.129 log4j-api 2.7
1.129.1 Available under license
1.130 log4j-over-slf4j 1.7.25
1.130.1 Available under license
1.131 log4j-to-slf4j 2.8.2
1.131.1 Available under license
1.132 logback 1.1.11
1.133 lombok 1.16.20
1.134 lz4-java 1.3.0
1.134.1 Available under license
1.135 mapstruct 1.0.0
1.135.1 Available under license
1.136 metrics 2.2.0
1.136.1 Available under license
1.137 metrics 3.1.4
1.138 minlog 1.3.0
1.138.1 Available under license
1.139 ModelMapper 0.7.4
1.139.1 Available under license
1.140 nekohtml 1.9.22
1.140.1 Available under license
1.141 netflix-commons-util 0.1.1
1.141.1 Available under license
1.142 netflix-statistics 0.1.1
1.142.1 Available under license
1.143 netty 4.0.27
1.143.1 Available under license
1.144 netty 3.7.0
1.144.1 Available under license
1.145 netty-buffer 4.0.27
1.145.1 Available under license
1.146 netty-codec 4.0.27
1.146.1 Available under license

1.147 netty-codec-http 4.0.27
1.147.1 Available under license

1.148 netty-handler 4.0.27
1.148.1 Available under license

1.149 netty-handler 4.0.37

1.150 netty-transport 4.0.27
1.150.1 Available under license

1.151 netty-transport-native-epoll 4.0.27
1.151.1 Available under license

1.152 Not Yet Commons SSL 0.3.9
1.152.1 Available under license

1.153 objenesis 2.1
1.153.1 Available under license

1.154 opencsv 4.3
1.154.1 Available under license

1.155 opensaml-java 2.6.1

1.156 OpenWS 1.5.1
1.156.1 Available under license

1.157 org-json 0.0.20131108.vaadin1

1.158 passay 1.2.0
1.158.1 Available under license

1.159 popper.js 1.14.1

1.160 reflectasm 1.11.3
1.160.1 Available under license

1.161 ribbon 2.2.2
1.161.1 Available under license

1.162 ribbon-core 2.2.2
1.162.1 Available under license

1.163 ribbon-httpclient 2.2.2
1.163.1 Available under license

1.164 ribbon-loadbalancer 2.2.2
1.164.1 Available under license

1.165 ribbon-transport 2.2.2
1.165.1 Available under license

1.166 rxjava 1.1.10
1.166.1 Available under license

1.167 rxnetty 0.4.9
1.167.1 Available under license
1.168 rxnetty-contexts 0.4.9
  1.168.1 Available under license
1.169 rxnetty-servo 0.4.9
  1.169.1 Available under license
1.170 scala 2.11.8
  1.170.1 Available under license
1.171 servlet-api 3.1.0
  1.171.1 Available under license
1.172 servo-core 0.10.1
  1.172.1 Available under license
1.173 servo-internal 0.10.1
  1.173.1 Available under license
1.174 slf4j 1.7.25
  1.174.1 Available under license
1.175 snakeyaml 1.17
  1.175.1 Available under license
1.176 snappy-java 1.1.2.6
  1.176.1 Available under license
1.177 snappy-java 1.1.1.7
  1.177.1 Available under license
1.178 spring-aop 4.3.9
1.179 spring-beans 4.3.9
1.180 spring-boot 1.5.4
1.181 spring-boot-actuator 1.5.4
  1.181.1 Available under license
1.182 spring-boot-autoconfigure 1.5.4
  1.182.1 Available under license
1.183 spring-boot-configuration-processor 1.5.4
  1.183.1 Available under license
1.184 spring-boot-starter 1.5.4
  1.184.1 Available under license
1.185 spring-boot-starter-actuator 1.5.4
  1.185.1 Available under license
1.186 spring-boot-starter-aop 1.5.4
  1.186.1 Available under license
1.187 spring-boot-starter-cache 1.5.4
  1.187.1 Available under license
1.188 spring-boot-starter-data-cassandra 1.5.4
  1.188.1 Available under license
1.189 spring-boot-starter-data-redis 1.5.4
   1.189.1 Available under license
1.190 spring-boot-starter-freemarker 1.5.4
1.191 spring-boot-starter-jetty 1.5.4
   1.191.1 Available under license
1.192 spring-boot-starter-logging 1.5.4
   1.192.1 Available under license
1.193 spring-boot-starter-security 1.5.4
   1.193.1 Available under license
1.194 spring-boot-starter-validation 1.5.4
   1.194.1 Available under license
1.195 spring-boot-starter-web 1.5.4
   1.195.1 Available under license
1.196 spring-cloud-commons 1.2.5
1.197 spring-cloud-consul 1.2.3
   1.197.1 Available under license
1.198 spring-cloud-context 1.2.5
1.199 spring-cloud-starter-consul-config 1.2.3
1.200 spring-cloud-stream 1.2.2
1.201 spring-cloud-stream-binder-kafka 1.2.1
1.202 spring-cloud-stream-binder-kafka-core 1.2.1
1.203 spring-cloud-stream-codec 1.2.2
1.204 spring-context 4.3.9
1.205 spring-context-support 4.3.9
   1.205.1 Available under license
1.206 spring-cql 1.5.4
1.207 spring-data-cassandra 1.5.4
   1.207.1 Available under license
1.208 spring-data-commons 1.13.4
   1.208.1 Available under license
1.209 spring-data-keyvalue 1.2.4
   1.209.1 Available under license
1.210 spring-data-redis 1.8.4
   1.210.1 Available under license
1.211 spring-expression 4.3.9
1.212 spring-hateoas 0.23.0
   1.212.1 Available under license
1.213 spring-integration-core 4.3.10
1.214 spring-integration-jmx 4.3.10
1.215 spring-integration-kafka 2.1.0
1.216 spring-integration-tuple 1.0.0
1.217 spring-integration-zookeeper 4.3.10
1.218 spring-kafka 1.1.6
1.219 spring-messaging 4.3.9
1.220 spring-oxm 4.3.9
    1.220.1 Available under license
1.221 spring-plugin 1.2.0
1.222 spring-plugin-core 1.2.0
1.223 spring-plugin-metadata 1.2.0
1.224 spring-retry 1.2.0
1.225 spring-security-config 4.2.3
1.226 spring-security-core 4.2.3
1.227 spring-security-crypto 4.2.3
1.228 spring-security-jwt 1.0.8
1.229 spring-security-oauth2 2.0.14
1.230 spring-security-rsa 1.0.3
1.231 spring-security-saml2 1.0.2
    1.231.1 Available under license
1.232 spring-security-web 4.2.3
1.233 spring-session 1.3.1
1.234 spring-session-data-redis 1.3.1
1.235 spring-session-jdbc 1.3.1
1.236 spring-tuple 1.0.0
    1.236.1 Available under license
1.237 spring-tx 4.3.9
1.238 spring-web 4.3.9
1.239 spring-webmvc 4.3.9
    1.239.1 Available under license
1.240 spring-framework 4.3.9
    1.240.1 Available under license
1.241 springfox-core 2.6.0
    1.241.1 Available under license
1.242 springfox-schema 2.6.0
    1.242.1 Available under license
1.243 springfox-spi 2.6.0
    1.243.1 Available under license
1.244 springfox-spring-web 2.6.0
    1.244.1 Available under license
1.245 springfox-swagger-common 2.6.0
   1.245.1 Available under license
1.246 springfox-swagger2 2.6.0
   1.246.1 Available under license
1.247 swagger 1.5.10
   1.247.1 Available under license
1.248 swagger-annotations 1.5.12
   1.248.1 Available under license
1.249 swagger-ui 2.2.6
   1.249.1 Available under license
1.250 tomcat-embed-el 8.5.15
   1.250.1 Available under license
1.251 validation-api 1.1.0
   1.251.1 Available under license
1.252 velocity 1.7
   1.252.1 Available under license
1.253 webjars-locator 0.32-1
1.254 webjars-locator 0.32
   1.254.1 Available under license
1.255 webjars-locator-core 0.32
1.256 xalan 2.7.1
   1.256.1 Available under license
1.257 xalan 2.7.0
   1.257.1 Available under license
1.258 Xerces-J 2.8.0
   1.258.1 Notifications
   1.258.2 Available under license
1.259 XML Commons Resolver 1.2
   1.259.1 Available under license
1.260 xml-apis 1.4.01
   1.260.1 Available under license
1.261 xml-apis-ext 1.3.04
   1.261.1 Available under license
1.262 xmlsec-java 1.5.6
   1.262.1 Available under license
1.263 XMLTooling 1.4.1
   1.263.1 Available under license
1.264 xom 1.2.5
   1.264.1 Available under license
1.265 zkclient 0.9
1.265.1 Available under license

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1.266.1 Available under license

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1.2 aerogear-otp-java 1.0.0

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Thanks, may your castles never deflate!

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</li><li>Carlos Lozano Ruiz <carlos@6dtradise.com> - patch for <ctrl><m> only handling in CRLOutputStream. <li>
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</li><li>Stefan Neusatz Guilhen <neusatz@6d4gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer. <li>
</li><li>Marzio Lo Giudice <marzio.logiudice@6d4gmail.com> - fix to endianness in KDF2BytesGenerator, additional KDF2 tests. <li>
</li><li>Carlos Lozano Ruiz <carlos@6dtradise.com> - patch for <ctrl><m> only handling in CRLOutputStream. <li>
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X509V2CRLGenerator.</li>
<li>Mark Nelson <mark&#064nbr.com> - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov <eugene_gff&#064ukr.net> - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier <julienpasquier&#064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp <knopp&#064mtg.de> - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozd <gwozdiu&#064rg.pl> - addition of getTsas() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski <bmalkow&#064tigase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
<li>Tal Yacobi <tal.yacobi&#064octavian-tech.com> - fix for issue in OpenPGP examples [#B1A-55].</li>
<li>Massimiliano Ziccardi <massimiliano.ziccardi&#064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko <andrey.a.pavlenko&#064gmail.com> - security manager patch for PKCS1Encoding property check.</li>
<li>Mike StJohns <mstjohns&#064604-comcast.net> - updates to KeyPurposeId.</li>
<li>J Ross Nicoll <jrnicoll&#064404jm.me.uk> - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson <mavricknz&#064yahoo.com> - patch to construtor for CRMF CertSequence.</li>
<li>Gabriele Contini <gcontini&#064604hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEFS.</li>
<li>Roelof Naude <roelof.naude&#064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck <peck&#064604signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay <lemaymd&#064604lemaymd.com> - identified problem with EAX [#B1A-93].</li>
<li>Alex Dupre <ale&#064604freebsd.org> - fix to use of Signature rather than SignatureSpi in provider [#B1A-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#B1A-102].</li>
<li>Ion Larrañaga <ilarra&#064s21sec.com> fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns <bob.kerns&#064positscience.com> fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer <stefan.meyer&#064604ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore <Robert.J.Moore&#064allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai <ruix604po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic <emir.bucalovic&#064604mail.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson <tobb79&#064604mail.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick <bouncycastle_pfitz&#064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson <k.henrik.andersson&#064604gmail.com> addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit <cagdascirit&#064604gmail.com> subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri <charaki23&#064yahoo.com> datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henrique <pmahenriques&#064604gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.
Lothar Kimmeringer <job&#064kimmeringer.de> verbose mode for ASN1Dump, support for DERExternal.</li>
<li>Richard Farr <rfarr.se&#064gmail.com> initial SRP-6a implementation.</li>
<li>Thomas Castiglione <castiglione&#064au.ibm.com> patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani <eromani&#064sogei.it> patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren <r737lundgren&#064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec <smormegil&#064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener <antener.a&#064mx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat <hsrawat&#064yahoo.com> fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann <lindemann&#064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov <alexart.home&#064gmail.com> name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons <mlyons&#064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole <chris_h_cole&#064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomás Krivanek <tom&#06404datack.cz> added checking of Sender header to SignedMailValidator.</li>
<li>Michael <emfau&#064t-online.de> correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin <trevor&#06404cybergraphy.com> addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilaringas <markus&#064primekey.se> several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic <darionis&#064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith <msmith&#064cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio <andrea.zilio&#064gmail.com> fix for PEM password encryption of private keys.</li>
<li>Alex Birkett <alexa&#064birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BIA-291].</li>
<li>Wayne Grant <waynedgrant&#064gmail.com> additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis <info&#064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner <jan&#06404dittberner.info> addHeader patch for SMIME generator.</li>
<li>Bob McGowan <boab.mcgoo&#064btinternet.com> patch to support different content and mgf digests in PSS signing.</li>
<li>Ivo Matheis <i.matheis&#064seeburger.de> fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini <nnesche&#064gmail.com> patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf <alfilmalf&#06404hotmail.com> removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa <alfonso massa&#064104insiel.it> contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo <gboccardo&#06404unicamica.it> initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu <arnis&#06404ut.4ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikocinski <j.sikocinski&#064gdzie.pl> addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev <jhudolejev&#064gmail.com> JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten <liane.velten&#06404hjp-consulting.com> fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden <sswillden&#06404google.com> additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev <akrachev&#064gmail.com> added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking <mickael.laiking&#064keynectis.com> initial cut of EAC classes.
<li>Tim Buktu <tbuktu@064hotmail.com> Initial implementation of NTRU signing and encryption.</li>
<li>Bernd <bernd@064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak <stein.inge.morisbak@064BEKK.no> Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid <andreas.schmid@064ntgtech.com> Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz <phil.steitz@064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin <ignat.korchagin@064gmail.com> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Petar Petrov <s.petrov@064bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick <daniel.f.nwr@064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson <Andy.Neilson@quest.com> a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw <xiao.xj@064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth <Eleriseth@WPECGLtYbVivIr6Y7Vz12Lvd2EUVW99v3yNV3iWROG8.fms> speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root <kenny@064the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes <maarten.bodewes@064gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay <pilb@064yahoo.com> Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom <bdc@064carlstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lidkeacute:n Borell <samuel@064primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinders.</li>
<li>Sergio Demian Lerner <sergiolerner@064certimix.com> pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington <Tim.Whittington@064orionhealth.com> patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad <marcus.lundblad@064primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin <zhozhin@064xrm.ru> patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov <t5555d@064gmail.com> initial cut of DVCS classes.</li>
<li>Damian Kolasa <fatfredyy@064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes <ashley.hughes@064blueyonder.co.uk> patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
Daniel Hirscher <dev@daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.

Danielle Ricci <danielle.athome@064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio <matti.aarnio@064methics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi <bnajafi@064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&uuml;ller <eric.mueller@064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herbergs <Mathias.Herberts@064gmail.com> fix to inOff usage in RFC3394WrapEngine.

Dani Ivanov <dani.ivanov@064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso <daniele.grasso86@064gmail.com> contributions to final Key calculation code for SRP6.

Andrey Utkin <cindrhc@064gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB <axel-odb@064riseup.net> initial implementation of Shacal2.

Roberto Tyley < further work on completing gradle build.

Waldemar Dick <wdick@064devmue.de> code improvement in x500 ASN.1 package.

Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.

Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.

Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter <andreas.reiter@064iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller <kieran.miller@064gmail.com> initial implementation for RFC 5649 key wrap with padding.

Oliver Ehl <ehl@064arago.de> Additional support for BSI plain ECDSA in the provider.

Daniel Heldt <Daniel.Heldt@064cryptovision.com> Initial support for encodable state message digests.

Robert Bushman <bouncycastle@064traxel.com> Clean up of DirectKeySignature example.

Maurice Aarts <aarts@064risecure.com> updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.

KB Sriram <mail_kb@yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.

Marc Schulze <marco@064nightlabs.de> Reported verification bug in GenericSigner.

Martin Schaef <https://github.com/martinschaef> contributed a code-cleanup patch.

Lijun Liao <jun.liao@064gmail.com> addition of getSignatureAlgorithmID to BasicOCSPResp.

dstutz <https://github.com/dstutz> added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich <tobias.wich@064ecsec.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens <hauke@064hauke-m.de> TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman <dmz@064galois.com> Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitza <ltj.kapitza@064schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund <johan@064primekey.se> update to RFC 6960 for OCSPObjectIdentifiers.

nikosn <https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length.
Axel von dem Bruch <axel-vdb@riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.

Derek Atkins <derek@064ihtfp.com> Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky <peto@064halicky.sk> Correction to notification/error message handling in SignedMailValidator.


Thomas Belot<https://github.com/thomas.belot+BC@064gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.

Rich DiCroce<https://github.com/rdicroce> Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.

Bj@ouml;n Kautler<https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).

Dominik Sch@uuml;rmann<https://github.com/dschuermann> method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael <MSKnete@064web.de> initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner <tobias.wagner@064n-design.de> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro <sgiro@064google.com> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette<https://github.com/bschuette> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.

Leonard Dallot<https://github.com/dallotTazTag> Fix to S2K usage of none on changing passwords on keys without passwords originally.

Jan Willem Janssen <j.w.janssen+bouncycastle@064xtreme.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.

Sebastian Oerding <sebastian.oerding@robotron.de> Fixes to toString() in x509.CertificatePolicies.

Kai Kramer <kai.kramer@064gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

Benoit Charles <benoit.charles@064opentrust.com> Fix for IES data length check on decryption.

Niko <nfink95@064gmail.com> fix to cast issue in getOutputSize() for ECIES.


Matthias Edelhoff <Matthias.Edelhoff@cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.

Lukasz Deputat <lukasz.deputat@064gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].

Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.

Andr&acute;eacute;e Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.

Slawomir Jaranowski<https://github.com/slawejkjaranowski> Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev<https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.

William Glanton <wglanton77@064gmail.com> Fixed bug in Poly1305 [#BJA-620].

jdvorak001<https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegle <jnaegle@grierforensics.com> Patch for handling multiple certificates in a DANE SMIMEA entry.
The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof> defect analysis and additional test cases for the provider.
The Intel Security Team <> analysis detecting the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.

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Thanks, may your castles never deflate!

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<li>Sai Pullabhotla <spull@064linoma.com> - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
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<li>Lars <lxz@064sagemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.</li>
<li>Jeroen van Vianen <jeroen@064vanvianen.nl> - the Signed and Encrypted mail example.</li>
<li>Jun Sun <jsun@064diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>
<li>Petr Dukem <pdukem@email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>
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Karsten Ohme <winderstand@#064t-online.de> - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name types for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings.

Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz carlos@#064tradise.com - patch for <ctrl><m> only handling in CRLFOutputStream.

John Alfred Prufrock j.a.prufrock@#064gmail.com - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen <sneusatz@#064gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice marzio.logiudice@#064gmail.com - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold <georg.lippold@#064gmx.de> - initial implementation of NaccacheStern cipher.

Chris Viles <chris_viles@#064yahoo.com> - fix to SignatureSubpacket critical bit setting.

Pasi Eronen <Pasi.Eronen@nokia.com> - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova <maria.ivanova@#064gmail.com> - support for tags > 30 in ASN.1 parsing.

Armin H.auml;berling <arminha@student.ethz.ch> - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder <mschilder@#064google.com> - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch <xavier@#064britannysoftware.com> - general code clean ups.

Erik Tews <e_tews@#064d.Telekom.de> - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon reikomusha@#064gmail.com - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis info@#064frankcornelis.be - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim joaquim@#064cc.isel.ipp.pt - initial implementation of RSA blinding for signatures.

David Stacey DStacey@#064allantgroup.com - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers list@#064mitm.nl - better exception handling in CMS enveloping, "just in time"
modifications for CRL and Sequence evaluation.</p>

<li>Julius Davies <juliusdavies@#064gmail.com> - additional modes and algorithm support in PEMReader</li>

<li>Matthias <g&amp;#064trnner.de> - GnuPG compatibility changes for PBEFileProcessor</li>

<li>Olga K&amp;amp;uml;ther <olga.kaethler@#064hp-consulting.com> - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing</li>

<li>Germano Rizzo <germano.rizzo@#064gmail.com> - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20</li>

<li>N&amp;uuml;acie&Roule;ria Mar&amp;iacute; &lt;numaa@#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser</li>

<li>Janis Schuller &lt;js@#064tzi.de&gt; - addition of NotationData packets for OpenPGP</li>

<li>Michael Samblanet &lt;mike@#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS</li>

<li>Mike StJohns &lt;mstjohns@#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA</li>

<li>Ramon Keller &lt;ramon.keller@#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator</li>

<li>Mark Nelson &lt;mark@#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing</li>

<li>Eugene Golushkov &lt;eugene_gff@#064ukr.net&gt; - mask fix to single byte read in TlsInputStream</li>

<li>Julien Pasquier &lt;julienpasquier@#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries</li>

<li>Peter Knopp &lt;pknopp@#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation</li>

<li>Jakub Gwozdz &lt;gwozdziu@#064prg.pl&gt; - addition of getTsa() to TimeStampTokenInfo</li>

<li>Bartosz Malkowski &lt;bmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac</li>

<li>Tal Yacobi &lt;tal.yacobi@#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55]</li>

<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes</li>

<li>Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding property check</li>

<li>Mike StJohns &lt;mstjohns@#064comcast.net&gt; - updates to KeyPurposeId</li>

<li>J Ross Nicoll &lt;jrn@#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library</li>

<li>Matthew Stevenson &lt;mavricknz@#064yahoo.com&gt; - patch to constructor for CRMF CertSequence</li>

<li>Gabriele Contini &lt;gcontini@#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDFE's</li>

<li>Roelof Naude &lt;roelof.naude@#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST</li>

<li>Patrick Peck &lt;peck@#064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN1 library</li>

<li>Michael LeMay &lt;lemaymd@#064lemaymd.com&gt; - identified problem with EAX [#BJA-93]</li>

<li>Alex Dupre &lt;ale@#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>

<li>Michael Schoene &lt;michael@#064sigidr-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate()</li>

<li>Roelof Naude &lt;roelof.naude@#064epiuse.com&gt; - fix to default partial packet generation in BCPOutputStream</li>

<li>Bob Kerns &lt;bob.kerns@#064positscience.com&gt; - fix to hashCode for X509CertificateObject
Stefan Meyer <stefan.meyer@ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

Robert J. Moore <Robert.J.Moore@allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai <rui@ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic <emir.bucalovic@064mail.com> initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson <tobbe79@064gmail.com> initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick <bouncycastle_pfitz@064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

Henrik Andersson <k.henrik.andersson@064gmail.com> addition of UniqueIssuerID to certificate generation.

Cagdas Cirit <cagdascirit@064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.

Harakiri <harakiri_23@yahoo.com> datahandler patch for attached parts in SMIME signatures.

Pedro Henriques <pmahenriques@ntt.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimmeringer <job@064kimmeringer.de> verbose mode for ASN1Dump, support for DERExternal.

Richard Farr <rfarr.se@064gmail.com> initial SRP-6a implementation.

Thomas Castiglione <castiglione@064au.ibm.com> patch to encoding for CRMF OptionalValidity.

Elisabetta Romani <eromani@064soge.it> patch for recognising multiple counter signatures.

Robin Lundgren <r737lundgren@064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec <smorgo@064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener <antener_a@064gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat <hrswat@064yahoo.com> fix for BERConstructedOctetString.

Rolf Lindemann <lindemann@064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamonov <alexart.home@064gmail.com> name look up patch for GOST-2001 parameters.

Mike Lyons <mlyons@064layer7@ch.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.

Chris Cole <chris_h_cole@064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek <tom@064attack.cz> added checking of Sender header to SignedMailValidator.

Michael <emfau@064-internet.de> correction of field error in getResponse method in CertRepMessage.

Trevor Perrin <trevor@064cryptography.com> addition of constant time equals to avoid possible timing attacks.

Markus Kilaring <markus@064primekey.se> several enhancements to TimeStampResponseGenerator.

Dario Novakovic <darionis@064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith <msmith@cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio <andrea.zilio@064gmail.com> fix for PEM password encryption of private keys.

Alex Birkett <alex@064birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant <waynedgrant@064gmail.com> additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis <info@064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes.
<li>Jan Dittberner <jan&#064dittberner.info> addHeader patch for SMIME generator.</li>
<li>Bob McGowan <boab.mcgoo&#064boiinternet.com> patch to support different content and mgf digests in PSS signing.</li>
<li>Ivo Matheis <i.matheis&#064seeburger.de> fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini <nessche&#064gmail.com> patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf <alfilmalf&#064hotmail.com> removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa <alfonso.massa&#064insitie.it> contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo <gboccardo&#064unimaticaspa.it> initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu <arnis&#064964ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski <J.Sikocinski&#0646guzde.pl> addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev <jhudolejev&#064gmail.com> JavaDoc fix to CMISSignedDataParser.</li>
<li>Liane Velten <liane.velten&#064hjp-consulting.com> fine tuning of code for DHPParameters validation.</li>
<li>Shawn Willden <swillden&#06464google.com> additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev <akrachev&#064gmail.com> added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking <mickael.laiking&#064keynectis.com> initial cut of EAC classes.</li>
<li>Tim Buktu <tibuktu&#064hotmail.com> Initial implementation of NTRU signing and encryption.</li>
<li>Bernd <bernd&#064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak <stein.inge.morisbak&#06464BEKK.no> Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid <andreas.schmid&#06464ntgtech.com> Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz <phil.steitz&#064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Petar Petrov <p.petrov&#06464bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick <daniel.f.nwr&#064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson <Andy.Neilson&#064quest.com>a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw <xiao.xj&#064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth <Eleriseth&#064WPECGLYbV18R16Y7Vz1Lvd2EUVVW99y3yNV3IWOHG8.fms> speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root <kenny&#06464the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes&#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;phil_b&#064yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bcdr&#06464carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid &lt;samuel&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner&#064certimix.com&gt; pointing out isInFinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington&#06464orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced
round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST5 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.

Marcus Lundblad <marcus.lundblad@primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin@04xrm.ru> patch for override of TSP SignerInfo attributes.

Sergey Tisnov <t5555d@064gmail.com> initial cut of DVCS classes.

Damian Kolasa <fattredyy@064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes@064blueyonder.co.uk> patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev@064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci <daniele.athome@064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio <matti.aarnio@methics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi <bnajafi@064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.

Eric Muñizller <eric.mueller@064nage.de> additional standard algorithm name lookups in JcaPEMKKeyConverter.

Mathias Herberts <Mathias.Herberts@064gmail.com> fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov <daniil.ivanov@064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso <daniele.grasso86@064gmail.com> contributions to final Key calculation code for SRP6.

Andrey Utkin <eindrhc@064gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arniss Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB <axel-vdb@064riseup.net> initial implementation of Shacal2.

Roberto Tyley < further work on completing gradle build.

Waldemar Dick <wdick@064devmue.de> code improvement in x500 ASN.1 package.

Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.

Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.

Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in ISEEngine, IES MAC length check bug fix.

Andreas Reiter <andreas.reiter@iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller <kieran.miller@064gmail.com> initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli <ehli@064arago.de> Additional support for BSI plain ECDSA in the provider.

Daniel Heldt <Daniel.Heldt@064cryptovision.com> Initial support for encodable state message digests.

Robert Bushman <bouncycastle@064traxel.com> Clean up of DirectKeySignature example.

Maurice Aarts <aarts@064risecure.com> updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.

KB Sriram <mail_kb@064yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.
Marco Schulze <marco@064nightlabs.de> Reported verification bug in GenericSigner.

Martin Schaef <https://github.com/martinschaef> contributed a code-cleanup patch.

Lijun Liao <ljun.liao@064gmail.com> added getSignatureAlgorithmID to BasicOCSPResp.

.dstutz <https://github.com/dstutz> added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich <tobias.wich@064ecsec.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens <hauke@064hauke-m.de> TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman <dmz@064galois.com> Further key quality improvements to RSAPKeyPairGenerator.

Jens Kapitza <jkapitza@064schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund <johan@064primekey.se> update to RFC 6960 for OCSPObjectIdentifiers.

nikosn <https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch <axel-vdb@064riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.

Derek Atkins <derek@064ihtfp.com> Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky <peto@064halicky.sk> Correction to notification/error message handling in SignedMailValidator.


Thomas Belot <thomas.belot@bc&064gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.


Bj&ouml;rn Kautler <https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).

Dominik Sch&uuml;rmann <https://github.com/dschuermann> method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael <MSKnete@064web.de> initial fix for bitStrength issue for OpenPGP EC keys.

Tobias Wagner <tobias.wagner@064n-design.de> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro <sgiro@064google.com> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette <https://github.com/bschuette> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.

Leonard Dallot <https://github.com/dallotTazTag> Fix to S2K usage of none on changing passwords on keys without passwords originally.

Jan Willem Janssen <j.w.janssen@bouncycastle@064xtreme.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.

Sebastian Oering <sebastian.oering@robotron.de> Fixes to toString() in x509.CertificatePolicies.

Kai Kramer <kai.kramer@064gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

Benoit Charles <benoit.charles@064opentrust.com> Fix for IES data length check on decryption.

Niko <nfink95@064gmail.com> Fix to cast issue in getOutputSize() for ECIES.

akwizgran <https://github.com/akwizgran> Fixed clone of key in Blake2bDigest copy constructor, blake2b reset.
issue for variant keys.</li>
<li>Matthias Edelhoff <Matthias.Edelhoff@cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lukasz Deputat <lukasz.deputat@064gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGObjectFactory to handle stream packets at start of iterated data.</li>
<li>André Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Slawomir Jaranowski <https://github.com/slawekjaranowski> Patch to make cipher/hash/signature name methods in PKP internal API public.</li>
<li>Andrey Vasilyev <https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.</li>
<li>William Glanton <wglanton77@064gmail.com> Fixed bug in Poly1305 [#BJA-620].</li>
<li>jdvorak001 <https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.</li>
<li>Joseph Naegele <jnaegele@064grierforensics.com> Patch for handling multiple certificates in a DANE S/MIMEA entry.</li>
<li>Andrew Bonventre <https://github.com/andybons> NullPointer patch for WNafUtil.</li>
<li>The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof> defect analysis and additional test cases for the provider.</li>
<li>Gorka Irazoqui <girazoki@064wpi.edu> from Intel Security Center of Excellence <https://security-center.intel.com/> detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.</li>
<li>Joerg Senekowitsch <joerg.senekowitsch@064veridos.com> patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>
<li>Alexandr Krivoshta <wipe@064ya.ru> N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk <storozhj2@064gmail.com> N4 calculation fix to GOFB mode.</li>
<li>Na Yu <na.yu@064samsung.com> Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis <ekaratsiolis@064mtg.de> Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren <https://github.com/VivleSoren> additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig <https://github.com/mtausig> JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland <sebastianwolfgang.roland@064stud.tu-darmstadt.de> Initial XMSS/XMSS-MT implementation.</li>
<li>didisoft <https://github.com/didisoft> test code for PGP signature removal involving user ids.</li>
<li>Mike Safonov <https://github.com/MikeSafonov> initial implementation of GOST3410-2012 for light weight provider and JCA.</li>
<li>Artem Storozhuk <storozhj2@064gmail.com> initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser <andreas.glaser@gi-de.com> patch to recognise ANSSI curves for PKCS#10 requests.</li>
1.23 cassandra-driver-core 3.1.4

1.24 cassandra-lucene-index-builder 3.10.0

:3.10.0

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1.25 cassandra-migration-tool 3.1.0.0

1.26 classmate 1.3.3

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Other developers who have contributed code are:

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import java.io.IOException;
import java.io.Reader;
import java.io.StringReader;

import org.apache.commons.io.IOUtils;
import freemarker.cache.TemplateLoader;
import freemarker.test.utility.TestUtil;

/**
 * Removes the Apache copyright boiler plate from the beginning of the template, so that they don't mess up the 
 * expected template output. This can interfere with tests that try to test I/O errors and such low level things, so use with
 */
public class CopyrightCommentRemoverTemplateLoader implements TemplateLoader {

    private final TemplateLoader innerTemplateLoader;

    public CopyrightCommentRemoverTemplateLoader(TemplateLoader innerTemplateLoader) {
        this.innerTemplateLoader = innerTemplateLoader;
    }

    public Object findTemplateSource(String name) throws IOException {
        return innerTemplateLoader.findTemplateSource(name);
    }

    public long getLastModified(Object templateSource) {
        return innerTemplateLoader.getLastModified(templateSource);
    }

    public Reader getReader(Object templateSource, String encoding) throws IOException {
        Reader reader = innerTemplateLoader.getReader(templateSource, encoding);
        try {
            String content = IOUtils.toString(reader);
            return new StringReader(TestUtil.removeFTLCopyrightComment(content));
        } finally {
            reader.close();
        }
    }

    public void closeTemplateSource(Object templateSource) throws IOException {
        innerTemplateLoader.closeTemplateSource(templateSource);
    }
}

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1.62 ganymed-ssh2 262

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1.73 hystrix 1.5.12

1.74 hystrix-core 1.5.12

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1.75 hystrix-javanica 1.5.12

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1.78 Jackson 1.9.2

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1.90 jackson-module-afterburner 2.9.3

1.91 jackson-module-parameter-names 2.9.3

1.92 javamail 1.5.6
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1.103 jersey-client 1.19.1

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JUnit

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1.137 metrics 3.1.4

1.138 minlog 1.3.0
1.138.1 Available under license:

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</head>
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function myFunction() {
    var x;
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        x = "<br><p>The following are other community resources that may be helpful:<br><br><a href=https://tldrlegal.com/license/bsd-2-clause-license-%28freebsd%29 style='font-weight: bold;'>The BSD 2-Clause License on TLDRLegal<br><a href=http://www.gnu.org/licenses/license-list.en.html>GNU License List<br><a href=https://en.wikipedia.org/wiki/Comparison_of_free_and_open-source_software_licenses>Wikipedia License List<br><a href=http://oss-watch.ac.uk/apps/licdiff/>OSSWatch License Diff<br><a href=choosealicense.com>Choosealicense";
    } else {
        x = " ";
    }
    document.getElementById("demo").innerHTML = x;
}
//-->
</script>
</div>

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1.163 ribbon-httpclient 2.2.2

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<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
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<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
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<meta name="msapplication-config" content="/favicons/browserconfig.xml">

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</head>

<body>

<!-- Navigation -->
<header>
<nav class="navbar navbar-default navbar-fixed-top">
<div class="container">
<div class="navbar-header">
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
<span class="sr-only">Toggle navigation</span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</button>
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
</div>
<div class="collapse navbar-collapse" id="mainnav-collapse">
<div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo&nbsp;<a href="/licenses/">Licenses</a></div>
<ul class="nav navbar-nav navbar-right">
<li class="dropdown">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
<ul class="dropdown-menu" role="menu">
<li><a href="/foundation">Overview</a></li>
<li><a href="/foundation/members.html">Members</a></li>
<li><a href="/foundation/how-it-works.html">Process</a></li>
<li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
<li><a href="/foundation/glossary.html">Glossary</a></li>
<li><a href="/foundation/preFAQ.html">FAQ</a></li>
<li><a href="/foundation/contact.html">Contact</a></li>
</ul>
</li>
</ul>
</div>
</div>
</nav>
</header>

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      <div class="col-sm-1"></div>
      <div class="col-sm-2">
        <h5 class="white">Community</h5>
        <ul class="list-unstyled white" role="menu">
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          <li><a href="/foundation/conferences.html">Conferences</a></li>
          <li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
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          <li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
          <li><a href="/memorials/">Memorials</a></li>
        </ul>
      </div>
      <div class="col-sm-2">
        <!-- Additional content -->
      </div>
    </div>
  </div>
</footer>
1.164 ribbon-loadbalancer 2.2.2

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1.165 ribbon-transport 2.2.2

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1.170 scala 2.11.8

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (a, b) => ... \}
val x: ((Int, Int) => Int) = (((a, b)) => a)
^
not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... \}
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
^
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
   Either create a single parameter accepting the Tuple3,
   or consider a pattern matching anonymous function: `case (param1, ..., param3) => ...`
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
    ^
three errors found
class C {
  val x: ((Int, Int) => Int) = (((a, b)) => a)
  val y: ((Int, Int, Int) => Int) = (((a, !)) => a)
  val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
}
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TABLE OF CONTENTS
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>>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
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>>> Apache HttpClient (org.apache.httpcomponents:httpclient)
>>> 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)
>>> Maven Aether Provider (org.apache.maven:maven-aether-provider)
>>> Maven Model (org.apache.maven:maven-model)
>>> Maven Model Builder (org.apache.maven:maven-model-builder)
>>> Maven Repository Metadata Model (org.apache.maven:maven-repository-metadata)
>>> Maven Settings (org.apache.maven:maven-settings)
>>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
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TABLE OF CONTENTS
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>>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
>>> ASM 4.0 (org.ow2.asm:asm)
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>>> org.codehaus.groovy:groovy
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>>> org.apache.maven:maven-settings
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1.183 spring-boot-configuration-processor

1.5.4

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- Aether SPI (org.eclipse.aether:aether-spi)
- Aether Transport File (org.eclipse.aether:aether-transport-file)
- Aether Transport HTTP (org.eclipse.aether:aether-transport-http)
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>>> ASM 4.0 (org.ow2.asm:asm)

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>>> Apache Commons Codec (commons-codec:commons-codec)
>>> Apache HttpClient (org.apache.httpcomponents:httpclient)
>>> 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)
>>> Maven Aether Provider (org.apache.maven:maven-aether-provider)
>>> Maven Model (org.apache.maven:maven-model)
>>> Maven Model Builder (org.apache.maven:maven-model-builder)
>>> Maven Repository Metadata Model (org.apache.maven:maven-repository-metadata)
>>> Maven Settings (org.apache.maven:maven-settings)
>>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
>>> Plexus :: Component Annotations (org.codehaus.plexus:plexus-component-annotations)
>>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
>>> Plexus Component API (org.codehaus.plexus:plexus-component-api)
>>> Plexus Interpolation API (org.codehaus.plexus:plexus-interpolation)

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>>> Aether Connector Basic (org.eclipse.aether:aether-connector-basic)
>>> Aether Implementation (org.eclipse.aether:aether-impl)
>>> Aether SPI (org.eclipse.aether:aether-spi)
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>>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
>>> ASM 4.0 (org.ow2.asm:asm)

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>>> Apache HttpClient (org.apache.httpcomponents:httpclient)
>>> Apache HttpCore (org.apache.httpcomponents:htpcore)
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>>> Plexus Security Dispatcher Component (org.sonatype.plexus:plexus-sec-dispatcher)
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>>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
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>>> commons-logging:commons-logging
>>> org.codehaus.groovy:groovy
>>> org.apache.maven:maven-aether-provider
>>> org.apache.maven:maven-model
>>> org.apache.maven:maven-model-builder
>>> org.apache.maven:maven-repository-metadata
>>> org.apache.maven:maven-settings
>>> org.apache.maven:maven-settings-builder
>>> org.codehaus.plexus:plexus-component-annotations
>>> org.codehaus.plexus:plexus-utils
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>>> Maven Aether Provider (org.apache.maven:maven-aether-provider)
>>> Maven Model (org.apache.maven:maven-model)
>>> Maven Model Builder (org.apache.maven:maven-model-builder)
>>> Maven Repository Metadata Model (org.apache.maven:maven-repository-metadata)
>>> Maven Settings (org.apache.maven:maven-settings)
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1.188 spring-boot-starter-data-cassandra

1.5.4

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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
>>> org.codehaus.plexus:plexus-component-annotations
>>> org.codehaus.plexus:plexus-utils
>>> org.codehaus.plexus:plexus-component-api
>>> org.codehaus.plexus:plexus-interpolation
```

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```text
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```

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

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>>> Apache HttpClient (org.apache.httpcomponents:httpclient)
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>>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
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>>> org.apache.maven:maven-settings-builder
>>> org.codehaus.plexus:plexus-component-annotations
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**TABLE OF CONTENTS**

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>>> Apache HttpClient (org.apache.httpcomponents:httpclient)
>>> 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)
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>>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
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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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1.196 spring-cloud-commons 1.2.5

1.197 spring-cloud-consul 1.2.3

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1.198 spring-cloud-context 1.2.5

1.199 spring-cloud-starter-consul-config 1.2.3
1.200 spring-cloud-stream 1.2.2

1.201 spring-cloud-stream-binder-kafka 1.2.1

1.202 spring-cloud-stream-binder-kafka-core 1.2.1

1.203 spring-cloud-stream-codec 1.2.2

1.204 spring-context 4.3.9

1.205 spring-context-support 4.3.9

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>>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
>>> Plexus Security Dispatcher Component (org.sonatype.plexus:plexus-sec-dispatcher)
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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 (org.apache.maven:maven-settings)
>>> Maven Settings Builder (org.apache.maven:maven-settings-builder)
>>> Plexus :: Component Annotations (org.codehaus.plexus:plexus-component-annotations)
>>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
>>> Plexus Component API (org.codehaus.plexus:plexus-component-api)
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>>> Aether Implementation (org.eclipse.aether:aether-impl)
>>> Aether SPI (org.eclipse.aether:aether-spi)
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1.217 spring-integration-zookeeper 4.3.10

1.218 spring-kafka 1.1.6

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1.222 spring-plugin-core 1.2.0

1.223 spring-plugin-metadata 1.2.0

1.224 spring-retry 1.2.0

1.225 spring-security-config 4.2.3
1.226 spring-security-core 4.2.3

1.227 spring-security-crypto 4.2.3

1.228 spring-security-jwt 1.0.8

1.229 spring-security-oauth2 2.0.14

1.230 spring-security-rsa 1.0.3

1.231 spring-security-saml2 1.0.2

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1.233 spring-session 1.3.1

1.234 spring-session-data-redis 1.3.1

1.235 spring-session-jdbc 1.3.1

1.236 spring-tuple 1.0.0

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1.244 springfox-spring-web 2.6.0

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1.245 springfox-swagger-common 2.6.0

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1.247 swagger 1.5.10
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```java
package io.swagger.models;

import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.HashMap;
import java.util.Map;

public class License {
    private final Map<String, Object> vendorExtensions = new HashMap<String, Object>();
    private String name;
    private String url;

    public License name(String name) {
        setName(name);
        return this;
    }

    public License url(String url) {
        setUrl(url);
        return this;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public License vendorExtensions() {
        return this;
    }

    public String getUrl() {
        return url;
    }

    public void setUrl(String url) {
        this.url = url;
    }

    public Class<?> getVendorExtensionsClass() {
        return vendorExtensions();
    }

    public void addVendorExtension(String key, Object value) {
        vendorExtensions().put(key, value);
    }

    public Object getVendorExtension(String key) {
        return vendorExtensions().get(key);
    }

    public void removeVendorExtension(String key) {
        vendorExtensions().remove(key);
    }

    public boolean containsVendorExtension(String key) {
        return vendorExtensions().containsKey(key);
    }

    public boolean isEmpty() {
        return vendorExtensions().isEmpty();
    }

    public int size() {
        return vendorExtensions().size();
    }
}
```
public String getUrl() {
    return url;
}

public void setUrl(String url) {
    this.url = url;
}

@JsonAnyGetter
public Map<String, Object> getVendorExtensions() {
    return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
    if (name.startsWith("x-")) {
        vendorExtensions.put(name, value);
    }
}

@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((name == null) ? 0 : name.hashCode());
    result = prime * result + ((url == null) ? 0 : url.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;
    }
    License other = (License) obj;
    if (name == null) {
        if (other.name != null) {
            return false;
        }
    } else if (!name.equals(other.name)) {
    } else if (!name.equals(other.name)) {

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 */
* @return the name of the license
*/
String name();

/**
 * An optional URL for the license.
 * @return an optional URL for the license.
 */
String url() default "";
}

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1.248 swagger-annotations 1.5.12
1.248.1 Available under license:

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<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">
<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
```
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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- 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
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1.252 velocity 1.7

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Source: http://svn.apache.org/viewvc/xml/stylebook/
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1.264 xom 1.2.5

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/*
$Id: LICENSE.txt 1128 2006-02-05 21:49:04Z elharo $

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