



Open Source Used In Network Function Virtualization Infrastructure System Release 3.9.1

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- 1.923 PostgreSQL JDBC Driver 9.4-1201**
 - 1.923.1 Available under license
- 1.924 ppl 0.10.2 :11.el6**
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- 1.925 preserve 0.2.0**
 - 1.925.1 Available under license
- 1.926 pretty-hrtime 1.0.1**
 - 1.926.1 Available under license
- 1.927 pretty-json-min.js NA**
 - 1.927.1 Available under license
- 1.928 process-nextick-args 1.0.7**
 - 1.928.1 Available under license
- 1.929 process-nextick-args 1.0.6**
 - 1.929.1 Available under license
- 1.930 procps 3.2.8 :25.el6**
 - 1.930.1 Available under license
- 1.931 procps/procps-libs 3.2.8 :25.el6**
 - 1.931.1 Available under license

1.932 proxy-addr 1.0.10

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1.933 proxy-middleware 0.5.1

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1.934.1 Available under license

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1.936 pygobject3 3.22.0 :1.el7_4.1

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1.937 pyOpenSSL 0.10 :2.el6

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1.938 pyrad 2.0 :May 15, 2011

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1.939 python 2.6.6 :52.el6

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1.941 python-boto 2.25.0 :2.el6

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1.942 python-cheetah 2.4.1 :1.el6

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1.946 python-dmidecode 3.10.13 :1.el6

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1.947 python-ecdsa 0.13 :4.el7

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1.948 python-ethtool 0.6 :3.el6

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1.949 python-glanceclient 0.8.0 :2.el6

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1.950 python-gudev 147.1 :4.el6_0.1

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1.951 python-iniparse 0.3.1 :2.1.el6

1.951.1 Available under license
1.952 python-iwlib 0.1 :1.2.el6
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1.953 python-jsonpatch 1.2 :2.el6.centos
1.953.1 Available under license
1.954 python-jsonpointer 1.0
1.954.1 Available under license
1.955 python-libs 2.6.6 :36.el6
1.955.1 Available under license
1.956 python-lxml 3.2.1 :4.el7
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1.957 python-lxml_GPLv2 3.2.1 :4.el7
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1.958 python-lxml_PSFv2.x 3.2.1 :4.el7
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1.959 python-markdown 2.0.1 :3.1.el6
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1.960 python-novaclient 2.11.1
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1.961 python-paramiko 1.7.5 :2.1.el6
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1.962 python-ping NA
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1.966 python-pygments 1.1.1 :1.el6
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1.967 python-pygments_GPLv3 1.4 :9.el7
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1.968 python-pyroute2 0.4.13 :1.el7
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1.969 python-quantumclient 2.1.1
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1.970 python-rhsm 1.1.8 :1.el6
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- 1.971 python-schedutils 0.4 :6.el7**
 - 1.971.1 Available under license
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- 1.973 python-setuptools 0.6.10 :3.el6**
 - 1.973.1 Available under license
- 1.974 PyYAML 3.10 :3.1.el6**
 - 1.974.1 Available under license
- 1.975 q 1.4.1**
 - 1.975.1 Available under license
- 1.976 qs 2.2.5**
 - 1.976.1 Available under license
- 1.977 qs 5.2.0**
 - 1.977.1 Available under license
- 1.978 qs 6.1.0**
 - 1.978.1 Available under license
- 1.979 qs 2.2.4**
 - 1.979.1 Available under license
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 - 1.981.1 Available under license
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 - 1.982.1 Available under license
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- 1.987 raw-body 2.1.5**
 - 1.987.1 Available under license
- 1.988 raw-body 2.1.6**
 - 1.988.1 Available under license
- 1.989 rc 1.1.6**
 - 1.989.1 Available under license
- 1.990 read-pkg 1.1.0**

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1.991 read-pkg-up 1.0.1
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1.992 readable-stream 2.0.6
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1.1000 redhat-lsb 4.0 :7.el6
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1.1001 reflections 0.9.9 :RC1
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1.1002 regex-cache 0.4.2
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1.1003 regexp 1.5 :4.4.el6
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1.1004 relaxng - datatype (java) 2.0011011E7
1.1004.1 Available under license
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1.1005.1 Available under license
1.1006 repeat-string 1.5.2
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1.1007.1 Available under license
1.1008 repeating 1.1.3
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1.1016 resp-modifier 4.0.4
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1.1017 resp-modifier 5.0.2
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1.1018 rfc 0.3 :4.el6
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1.1019 rimraf 2.5.0
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1.1029 Scala-library_2.11 1.0.1

- 1.1030 Scala-parser-combinators_2.11 1.0.1**
- 1.1031 Scala-reflect 2.11.1**
- 1.1032 Scala-stm_2.11 0.7**
- 1.1033 Scala-xml_2.11 1.0.1**
- 1.1034 sed 4.2.1 :10.el6**
 - 1.1034.1 Available under license
- 1.1035 select2 3.5.1**
 - 1.1035.1 Available under license
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 - 1.1037.1 Available under license
- 1.1038 send 0.9.3**
 - 1.1038.1 Available under license
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- 1.1040 sequencify 0.0.7**
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 - 1.1041.1 Available under license
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 - 1.1042.1 Available under license
- 1.1043 serve-static 1.6.5**
 - 1.1043.1 Available under license
- 1.1044 ServiceLocator Default Implementation 2.4.0-b06**
 - 1.1044.1 Available under license
- 1.1045 servlet-api 2.3**
 - 1.1045.1 Notifications
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- 1.1051 shadow-utils 4.1.4.2 :13.el6**
 - 1.1051.1 Available under license
- 1.1052 shadow-utils_GPLv2 4.1.4.2 :13.el6**
 - 1.1052.1 Available under license
- 1.1053 shim 12 :1.el7.centos**
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- 1.1054 shim-signed 2.23**
 - 1.1054.1 Available under license
- 1.1055 shim-signed 12 :1.el7.centos**
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- 1.1060 simple-fmt 0.1.0**
 - 1.1060.1 Available under license
- 1.1061 simple-is 0.2.0**
 - 1.1061.1 Available under license
- 1.1062 sinjdoc 0.5 :9.1.el6**
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- 1.1063 skopeo 0.1.29 :1.dev.gitb08350d.el7**
 - 1.1063.1 Available under license
- 1.1064 skopeo 0.1.31 :1.dev.gitae64ff7.el7.centos**
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 - 1.1065.1 Available under license
- 1.1066 SLF4J API Module 1.7.6**
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1.1084.1 Available under license
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1.1087 source-map 0.1.43
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1.1088 source-map 0.5.3
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1.1098 Spring Context 4.1.6.RELEASE

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1.1102 Spring RabbitMQ Support 1.0.0
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1.1107 spring-boot 1.2.3
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1.1111 spring-tx 4.1.6.RELEASE

1.1112 spring-webmvc 4.1.6.RELEASE
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1.1113
src.com.sun.xml.internal.messaging.saaj.packaging.mime.util.QDecoderStream

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src.com.sun.xml.internal.messaging.saaj.packaging.mime.util.QPDecoderStream

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1.1114.1 Available under license

1.1115 sshpk 1.7.2

1.1115.1 Available under license

1.1116 stable 0.1.5

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1.1118 stax 1.0.1

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1.1119 StAX API 1.0.1

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1.1120 stax-api 1.0-2

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1.1121 stax2-api 3.1.4

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1.1122 strace 4.5.19 :1.17.el6

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1.1123 stream-combiner 0.0.4

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1.1124 stream-consume 0.1.0

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1.1125 stream-throttle 0.1.3

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1.1126 streamhtmlparser-jsilver 0.0.10.vaadin1

1.1127 Streaming API for XML 1.0-2

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1.1128 Streaming API for XML (STAX API 1.0) 1.0.1

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1.1129 streamsearch 0.1.2

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1.1130 strict-uri-encode 1.1.0

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1.1131 string-width 1.0.1

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- 1.1132 string_decoder 0.10.31**
 - 1.1132.1 Available under license
- 1.1133 stringmap 0.2.2**
 - 1.1133.1 Available under license
- 1.1134 stringset 0.2.1**
 - 1.1134.1 Available under license
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 - 1.1136.1 Available under license
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 - 1.1137.1 Available under license
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 - 1.1138.1 Available under license
- 1.1139 strip-bom 2.0.0**
 - 1.1139.1 Available under license
- 1.1140 strip-bom-stream 1.0.0**
 - 1.1140.1 Available under license
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 - 1.1141.1 Available under license
- 1.1142 strip-json-comments 1.0.4**
 - 1.1142.1 Available under license
- 1.1143 subscription-manager 1.1.23 :1.el6**
 - 1.1143.1 Available under license
- 1.1144 sudo 1.8.6p3 :7.el6.**
 - 1.1144.1 Available under license
- 1.1145 supports-color 0.2.0**
 - 1.1145.1 Available under license
- 1.1146 supports-color 2.0.0**
 - 1.1146.1 Available under license
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- 1.1148 swagger-core 1.5.3-M1**
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- 1.1150 swagger-jaxrs 1.5.3**
 - 1.1150.1 Available under license
- 1.1151 swagger-jersey-jaxrs 1.5.3**
- 1.1152 swagger-models 1.5.3-M1**

1.1153 syslog4j 0.9.46
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1.1158 tboot 1.9.5 :1.el7
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1.1162 texinfo 4.13a :8.el6
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1.1172 time 1.7 :37.1.el6
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- 1.1173 time-stamp 1.0.0**
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- 1.1175 tmpwatch 2.9.16 :4.el6**
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- 1.1176 tmux 1.8 :4.el7**
- 1.1177 to-absolute-glob 0.1.1**
 - 1.1177.1 Available under license
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 - 1.1178.1 Available under license
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 - 1.1190.1 Available under license
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 - 1.1191.1 Available under license
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- 1.1193 trim-newlines 1.0.0**

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 - 1.1217.1 Available under license
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1.1234 vaadin-spring-boot 1.0.0.beta2
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1.5 acorn 0.11.0

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1.6 Activation 1.1 1.1

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1.11 alsa-utils 1.0.22 :9.el6_6

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## 1.43 are-we-there-yet 1.0.5

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same

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| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | no                  |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
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## 1.74 ATK 1.30.0

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/\*\*\_\*- linux-c -\*\_ \*\*\*\*\_

Firmware loader for Atmel at76c502 at76c504 and at76c506 wireless cards.

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## 1.79 authenticate-pam 1.0.0

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That's all there is to it!

```
#!/bin/sh
```

```
Id
```

```
#
```

```
This file is part of avahi.
```

```
#
```

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```

```
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```

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```

```
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```

```
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USA.
```

```
set -e
```

```
Command line arguments:
$1 event that happened:
BIND: Successfully claimed address
CONFLICT: An IP address conflict happened
UNBIND: The IP address is no longer needed
STOP: The daemon is terminating
$2 interface name
$3 IP address
```

```
We have the BSD ifconfig tool
```

```
case "$1" in
BIND)
 ifconfig "$2" "$3"/16
 ;;

CONFLICT|STOP|UNBIND)
 ifconfig "$2" "$3"/16 delete
 ;;

*)
 echo "Unknown event $1" >&2
 exit 1
 ;;
esac

exit 0
```

## 1.81 avaje-ebeanorm 3.3.4

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

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## 1.82 avaje-ebeanorm-agent 3.2.2

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## 1.93 backo2 1.0.2

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## 1.97 base64url 0.0.6

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# 1.98 batch 0.5.3

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# 1.99 bc 1.51

## 1.100 bcel 5.2 :7.2.e16

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## 1.117 boom 2.10.1

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# 1.120 bootstrap-datepicker.js n/a

## 1.121 bootstrap-daterangepicker.js 1.3.13

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# 1.122 bootstrap-tagsinput.min.js 0.5

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## 1.123 bootstrap-timepicker.js 0.2.6

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## 1.127 browser-sync 2.11.1

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## 1.129 browser-sync-ui 0.5.18

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## 1.131 btrace-agent 1.2.3

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ASM: a very small and fast Java bytecode manipulation framework

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## 1.155 Class Model for Hk2 2.4.0-b06

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Name: cloud-init

Maintainer: Scott Moser <[scott.moser@canonical.com](mailto:scott.moser@canonical.com)>

Source: <https://launchpad.net/cloud-init>

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1.191 commons-pool 1.3

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1.204 container-selinux 2.55 :1.e17

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1.205 container-storage-setup 0.9.0

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1.206 content-type 1.0.1

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1.207 convert-source-map 0.4.1

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1.208 convert-source-map 1.1.3

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1.209 cookie 0.1.2

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1.211 core-util-is 1.0.2

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1.212 crash 1.3.1

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

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

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1.218 cvs 1.11.23 :16.el6

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c) accompany it with the information you received as to where the corresponding source code may be obtained. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form alone.)

Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

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Appendix: How to Apply These Terms to Your New Programs

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

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

```
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GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc.
```

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 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 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

That's all there is to it!
[I have snipped the snail mail address of the FSF because it has changed in the past and is likely to change again. The current address should be at <http://www.gnu.org/>]

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is

analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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

```
<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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

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

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

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

That's all there is to it!
/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

*/

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Contributed by David G. Grubbs <dgg@ksr.com>

#

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1.219 cyrus-sasl 2.1.26 :21.e17

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```

```
#pragma ident "@(#)mit-sipb-copyright.h 1.5 93/02/04 SMI"
```

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#endif /* _KERBEROS_MIT_COPYRIGHT_H */
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```

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```

```
/* CMU libsacl
```

```
* Tim Martin
```

```
* Rob Earhart
```

```
* Rob Siemborski
```

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*/
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/*
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1.221 daemon 2.1.1

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1.239 del 1.2.1

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1.245 derbyclient 10.4.1

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1.249 dhclient 4.1.1 :34.P1.e16

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```
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```
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```

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1.259 e2fsprogs 1.42.9 :11.e17

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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
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Theodore Ts'o
23-June-2007

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/*

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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#

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

libraries.

#

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

#

BSDLIB_VERSION = 1.0

```

# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

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

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

image: $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Gadi Oxman, August 1995

```

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```

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```
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```

```
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1.260 each-async 1.1.1

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1.261 easy-extender 2.3.2

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1.262 eazy-logger 2.1.2

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## 1.272 ehcache 2.7.4

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## 1.274 elfutils 0.168 :8.el7

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```
package org.jvnet.fastinfoset;

import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;

public interface EncodingAlgorithm {

 public Object decodeFromBytes(byte[] b, int start, int length) throws EncodingAlgorithmException;

 public Object decodeFromInputStream(InputStream s) throws EncodingAlgorithmException, IOException;

 public void encodeToOutputStream(Object data, OutputStream s) throws EncodingAlgorithmException,
 IOException;

 public Object convertFromCharacters(char[] ch, int start, int length) throws EncodingAlgorithmException;

 public void convertToCharacters(Object data, StringBuffer s) throws EncodingAlgorithmException;

}
```

## 1.308 faye-websocket 0.7.3

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## 1.313 find-index 0.1.1

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## 1.314 find-up 1.1.0

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## 1.323 flyway-core 3.1

## 1.324 fontconfig 2.8.0 :5.el6

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## 1.325 fontpackages 1.41 :1.1.el6

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Version 2.1, February 1999

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## 1.341 gauge 1.2.2

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## 1.343 gdbm 1.8.0 :38.el6

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```

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## 1.344 generate-function 2.0.0

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```
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```
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## 1.349 geronimo-jaxws 2.2

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@iftex

@unnumberedsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@page  
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@smallexample

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@example

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@var{signature of Ty Coon}, 1 April 1989  
Ty Coon, President of Vice  
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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form

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

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```
@iftex
@section TERMS AND CONDITIONS
@end iftex
@ifinfo
@center TERMS AND CONDITIONS
@end ifinfo
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@enumerate 0
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```

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```
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```

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```
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1.385 grub2 2.02 :0.65.el7.centos.2

1.385.1 Available under license :

From 0df1a50e41fb12fbeb6709575e5f12d64ed73b66 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH 085/260] * grub-core/loader/i386/bsd.c (grub_netbsd_boot):
Pass pointer to EFI system table.

```
ChangeLog          | 5 +++++
grub-core/loader/i386/bsd.c | 8 ++++++++
include/grub/i386/netbsd_bootinfo.h | 7 ++++++++
3 files changed, 20 insertions(+)
```

```
diff --git a/ChangeLog b/ChangeLog
index abf8f4b27..0cdd095a4 100644
```

```

--- a/ChangeLog
+++ b/ChangeLog
@@ -1,5 +1,10 @@
2014-06-21 Stephane Rochoy <sheda>

+ * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+ EFI system table.
+
+2014-06-21 Stephane Rochoy <sheda>
+
+ * grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
+ EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109e..8f691e0e2 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@@ -1145,6 +1145,14 @@@ grub_netbsd_boot (void)
    if (err)
        return err;

+ #ifdef GRUB_MACHINE_EFI
+ err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+ &grub_efi_system_table,
+ sizeof (grub_efi_system_table));
+ if (err)
+     return err;
+ #endif
+
+ {
+     struct bsd_tag *tag;
+     tag_buf_len = 0;
diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b40..9b4f46041 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@@ -58,6 +58,8 @@@
#define NETBSD_BTINFO_BOOTWEDGE 10
#define NETBSD_BTINFO_MODULES 11
#define NETBSD_BTINFO_FRAMEBUF 12
+ #define NETBSD_BTINFO_USERCONFCOMMANDS 13
+ #define NETBSD_BTINFO_EFI 14

struct grub_netbsd_bootinfo
{
@@@ -146,4 +148,9 @@@ struct grub_netbsd_btinfo_framebuf

#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

```

```
+struct grub_netbsd_btinfo_efi
+{
+ void *pa_systbl; /* Physical address of the EFI System Table */
+};
+
#endif
--
```

2.13.0

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Version 3, 29 June 2007

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1.386 Gson 2.3.1

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*/

```
package com.google.gson.internal;
```

```
import java.lang.reflect.Type;
```

```
import java.util.Collections;
```

```
import java.util.HashMap;
```

```
import java.util.Map;
```

```

/**
 * Contains static utility methods pertaining to primitive types and their
 * corresponding wrapper types.
 *
 * @author Kevin Bourrillion
 */
public final class Primitives {
    private Primitives() {}

    /** A map from primitive types to their corresponding wrapper types. */
    private static final Map<Class<?>, Class<?>> PRIMITIVE_TO_WRAPPER_TYPE;

    /** A map from wrapper types to their corresponding primitive types. */
    private static final Map<Class<?>, Class<?>> WRAPPER_TO_PRIMITIVE_TYPE;

    // Sad that we can't use a BiMap. :(

    static {
        Map<Class<?>, Class<?>> primToWrap = new HashMap<Class<?>, Class<?>>(16);
        Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>(16);

        add(primToWrap, wrapToPrim, boolean.class, Boolean.class);
        add(primToWrap, wrapToPrim, byte.class, Byte.class);
        add(primToWrap, wrapToPrim, char.class, Character.class);
        add(primToWrap, wrapToPrim, double.class, Double.class);
        add(primToWrap, wrapToPrim, float.class, Float.class);
        add(primToWrap, wrapToPrim, int.class, Integer.class);
        add(primToWrap, wrapToPrim, long.class, Long.class);
        add(primToWrap, wrapToPrim, short.class, Short.class);
        add(primToWrap, wrapToPrim, void.class, Void.class);

        PRIMITIVE_TO_WRAPPER_TYPE = Collections.unmodifiableMap(primToWrap);
        WRAPPER_TO_PRIMITIVE_TYPE = Collections.unmodifiableMap(wrapToPrim);
    }

    private static void add(Map<Class<?>, Class<?>> forward,
        Map<Class<?>, Class<?>> backward, Class<?> key, Class<?> value) {
        forward.put(key, value);
        backward.put(value, key);
    }

    /**
     * Returns true if this type is a primitive.
     */
    public static boolean isPrimitive(Type type) {
        return PRIMITIVE_TO_WRAPPER_TYPE.containsKey(type);
    }
}

```

```

/**
 * Returns {@code true} if {@code type} is one of the nine
 * primitive-wrapper types, such as {@link Integer}.
 *
 * @see Class#isPrimitive
 */
public static boolean isWrapperType(Type type) {
    return WRAPPER_TO_PRIMITIVE_TYPE.containsKey(
        $Gson$Preconditions.checkNotNull(type));
}

/**
 * Returns the corresponding wrapper type of {@code type} if it is a primitive
 * type; otherwise returns {@code type} itself. Idempotent.
 *
 * <pre>
 *   wrap(int.class) == Integer.class
 *   wrap(Integer.class) == Integer.class
 *   wrap(String.class) == String.class
 * </pre>
 */
public static <T> Class<T> wrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> wrapped = (Class<T>) PRIMITIVE_TO_WRAPPER_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (wrapped == null) ? type : wrapped;
}

/**
 * Returns the corresponding primitive type of {@code type} if it is a
 * wrapper type; otherwise returns {@code type} itself. Idempotent.
 *
 * <pre>
 *   unwrap(Integer.class) == int.class
 *   unwrap(int.class) == int.class
 *   unwrap(String.class) == String.class
 * </pre>
 */
public static <T> Class<T> unwrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> unwrapped = (Class<T>) WRAPPER_TO_PRIMITIVE_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (unwrapped == null) ? type : unwrapped;
}
}
}

```

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Version 2.0, January 2004

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1.390 guava 16.0.1

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.425 hibernate-c3p0 4.3.8-Final

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1.426 hibernate-core 4.3.8-final

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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1.430 hibernate-validator_gpl 5.0.3.Final

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1.443 hosted-git-info 2.1.4

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1.446 http-proxy 1.13.2

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1.449 httpClient 4.1.2

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*
* An almost complete rewrite of MySpell for use by
* the Mozilla project has been developed by David Einstein
* (Deinst@world.std.com). David and I are now
* working on parallel development tracks to help
* our respective projects (Mozilla and OpenOffice.org
* and we will maintain full affix file and dictionary
* file compatibility and work on merging our versions
* of MySpell back into a single tree. David has been
* a significant help in improving MySpell.

*
* Special thanks also go to La'szlo' Ne'meth
* <nemethl@gyorsposta.hu> who is the author of the
* Hungarian dictionary and who developed and contributed
* the code to support compound words in MySpell
* and fixed numerous problems with the encoding
* case conversion tables.

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*

* An almost complete rewrite of MySpell for use by
* the Mozilla project has been developed by David Einstein
* (Deinst@world.std.com). David and I are now
* working on parallel development tracks to help
* our respective projects (Mozilla and OpenOffice.org
* and we will maintain full affix file and dictionary
* file compatibility and work on merging our versions
* of MySpell back into a single tree. David has been
* a significant help in improving MySpell.

*

* Special thanks also go to La'szlo' Ne'meth
* <nemethl@gyorsposta.hu> who is the author of the
* Hungarian dictionary and who developed and contributed
* the code to support compound words in MySpell
* and fixed numerous problems with the encoding
* case conversion tables.

*
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1.471 ipaddr.js 1.0.5

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```

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```

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```

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1.510 jackson-databind 2.4.5

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1.513 Jackson-dataformat-YAML 2.4.1

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1.515 Jackson-datatype-json-org 2.1.2

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1.516 jackson-jaxrs 1.9.2

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1.524 jackson-module-JAXB-annotations

2.3.2

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1.526 jackson-xc 1.9.2

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<para>

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<para>

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<blockquote>

<para>

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<para>

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

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<para>

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</para>

</blockquote>

<para>

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<para>

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<para>

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<para>

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</para>

<para>

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<para>

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<para>

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<para>

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<para>

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</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 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.

</para>

<blockquote>

<para>

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

Copyright (C) <year> <name of author>

</para>

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</para>

</blockquote>

<para>

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

</para>

<para>

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

</para>

<blockquote>

<para>

Gnomovision version 69, Copyright (C) year 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.

</para>

</blockquote>

<para>

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.

</para>

<para>

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:

</para>

<blockquote>

<para>

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

</para>

<para>

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

</para>

</blockquote>

<para>

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encoding="iso-8859-1" ?>

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<para>

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<blockquote>

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<para>1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.</para>

<para>1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof and corresponding documentation released with the source code.</para>

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<para>1.5. "Executable" means Covered Code in any form other than Source Code.</para>

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<orderedlist numeration="upperalpha">

<listitem>
<para>Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.</para>
</listitem>
<listitem>
<para>Any new file that contains any part of the Original Code or previous Modifications.</para>
</listitem>
</orderedlist>

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<para>
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<blockquote>

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<blockquote>

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1.548 JavaBeans Activation Framework (JAF)

1.1

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1.1

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/*
 * @(#)ASCIIUtility.java 1.11 07/05/04
 */
package com.sun.mail.util;

import java.io.ByteArrayInputStream;
import java.io.ByteArrayOutputStream;
import java.io.InputStream;
import java.io.IOException;

public class ASCIIUtility {

    // Private constructor so that this class is not instantiated
    private ASCIIUtility() { }

    /**
     * Convert the bytes within the specified range of the given byte
     * array into a signed integer in the given radix . The range extends
     * from <code>start</code> till, but not including <code>end</code>. <p>
     *
     * Based on java.lang.Integer.parseInt()
     */

```

```

    public static int parseInt(byte[] b, int start, int end, int radix)
    throws NumberFormatException {
    if (b == null)
        throw new NumberFormatException("null");

    int result = 0;
    boolean negative = false;
    int i = start;
    int limit;
    int multmin;
    int digit;

    if (end > start) {
        if (b[i] == '-') {
            negative = true;
            limit = Integer.MIN_VALUE;
            i++;
        } else {
            limit = -Integer.MAX_VALUE;
        }
        multmin = limit / radix;
        if (i < end) {
            digit = Character.digit((char)b[i++], radix);
            if (digit < 0) {
                throw new NumberFormatException(
                    "illegal number: " + toString(b, start, end)
                );
            } else {
                result = -digit;
            }
        }
        while (i < end) {
            // Accumulating negatively avoids surprises near MAX_VALUE
            digit = Character.digit((char)b[i++], radix);
            if (digit < 0) {
                throw new NumberFormatException("illegal number");
            }
            if (result < multmin) {
                throw new NumberFormatException("illegal number");
            }
            result *= radix;
            if (result < limit + digit) {
                throw new NumberFormatException("illegal number");
            }
            result -= digit;
        }
    } else {
        throw new NumberFormatException("illegal number");
    }
}

```



```

}
if (negative) {
    if (i > start + 1) {
        return result;
    } else { /* Only got "-" */
        throw new NumberFormatException("illegal number");
    }
} else {
    return -result;
}
}

/**
 * Convert the bytes within the specified range of the given byte
 * array into a signed integer . The range extends from
 * <code>start</code> till, but not including <code>end</code>. <p>
 */
public static int parseInt(byte[] b, int start, int end)
throws NumberFormatException {
return parseInt(b, start, end, 10);
}

/**
 * Convert the bytes within the specified range of the given byte
 * array into a signed long in the given radix . The range extends
 * from <code>start</code> till, but not including <code>end</code>. <p>
 *
 * Based on java.lang.Long.parseLong()
 */
public static long parseLong(byte[] b, int start, int end, int radix)
throws NumberFormatException {
if (b == null)
    throw new NumberFormatException("null");

long result = 0;
boolean negative = false;
int i = start;
long limit;
long multmin;
int digit;

if (end > start) {
    if (b[i] == '-') {
        negative = true;
        limit = Long.MIN_VALUE;
        i++;
    } else {
        limit = -Long.MAX_VALUE;

```

```

    }
    multmin = limit / radix;
    if (i < end) {
digit = Character.digit((char)b[i++], radix);
if (digit < 0) {
    throw new NumberFormatException(
"illegal number: " + toString(b, start, end)
);
} else {
    result = -digit;
}
}
while (i < end) {
// Accumulating negatively avoids surprises near MAX_VALUE
digit = Character.digit((char)b[i++], radix);
if (digit < 0) {
    throw new NumberFormatException("illegal number");
}
if (result < multmin) {
    throw new NumberFormatException("illegal number");
}
result *= radix;
if (result < limit + digit) {
    throw new NumberFormatException("illegal number");
}
result -= digit;
}
} else {
    throw new NumberFormatException("illegal number");
}
if (negative) {
    if (i > start + 1) {
return result;
    } else { /* Only got "-" */
throw new NumberFormatException("illegal number");
    }
} else {
    return -result;
}
}

/**
 * Convert the bytes within the specified range of the given byte
 * array into a signed long . The range extends from
 * <code>start</code> till, but not including <code>end</code>. <p>
 */
public static long parseLong(byte[] b, int start, int end)
throws NumberFormatException {

```

```

return parseLong(b, start, end, 10);
}

/**
 * Convert the bytes within the specified range of the given byte
 * array into a String. The range extends from <code>start</code>
 * till, but not including <code>end</code>. <p>
 */
public static String toString(byte[] b, int start, int end) {
int size = end - start;
char[] theChars = new char[size];

for (int i = 0, j = start; i < size; )
    theChars[i++] = (char)(b[j++]&0xff);

return new String(theChars);
}

public static String toString(ByteArrayInputStream is) {
int size = is.available();
char[] theChars = new char[size];
byte[] bytes = new byte[size];

is.read(bytes, 0, size);
for (int i = 0; i < size; )
    theChars[i] = (char)(bytes[i++]&0xff);

return new String(theChars);
}

public static byte[] getBytes(String s) {
char [] chars= s.toCharArray();
int size = chars.length;
byte[] bytes = new byte[size];

for (int i = 0; i < size; )
    bytes[i] = (byte) chars[i++];
return bytes;
}

public static byte[] getBytes(InputStream is) throws IOException {

int len;
int size = 1024;
byte [] buf;

```

```

if (is instanceof ByteArrayInputStream) {
    size = is.available();
    buf = new byte[size];
    len = is.read(buf, 0, size);
}
else {
    ByteArrayOutputStream bos = new ByteArrayOutputStream();
    buf = new byte[size];
    while ((len = is.read(buf, 0, size)) != -1)
        bos.write(buf, 0, len);
    buf = bos.toByteArray();
}
return buf;
}
}

```

1.551 JavaMail 1.4 1.7.1

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1.9.13

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*/
// XMLWriter.java - serialize an XML document.
// Written by David Megginson, david@megginson.com
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// AttributesImpl.java - default implementation of Attributes.
// http://www.saxproject.org

```

```

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/**
 * Default implementation of the Attributes interface.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p>This class provides a default implementation of the SAX2
 * { @link org.xml.sax.Attributes Attributes } interface, with the
 * addition of manipulators so that the list can be modified or
 * reused.</p>
 *
 * <p>There are two typical uses of this class:</p>
 *
 * <ol>
 * <li>to take a persistent snapshot of an Attributes object
 * in a { @link org.xml.sax.ContentHandler#startElement startElement } event; or</li>
 * <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
 * </ol>
 *
 * <p>This class replaces the now-deprecated SAX1 { @link
 * org.xml.sax.helpers.AttributeListImpl AttributeListImpl }
 * class; in addition to supporting the updated Attributes
 * interface rather than the deprecated { @link org.xml.sax.AttributeList
 * AttributeList } interface, it also includes a much more efficient
 * implementation using a single array rather than a set of Vectors.</p>
 *
 * @since JAXB1.0
 * @since SAX 2.0
 * @author David Megginson
 * @version 2.0.1 (sax2r2)
 */
// NamespaceSupport.java - generic Namespace support for SAX.
// http://www.saxproject.org
// Written by David Megginson
// This class is in the Public Domain. NO WARRANTY!
# RELAX NG Schema for WSDL 1.1 HTTP Binding
#
#           Written by Kohsuke Kawaguchi
#
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# If you find a bug, please let me know.

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1.571 jaxb-xjc_Apache 2.2

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1.572 jaxen 1.1

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1.575 jaxen 1.1.1

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1.576 jaxws-tools 2.1.3

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*/

package org.apache.commons.logging;

/**

* <p>A simple logging interface abstracting logging APIs. In order to be

* instantiated successfully by { @link LogFactory }, classes that implement

* this interface must have a constructor that takes a single String

* parameter representing the "name" of this Log.</p>

*

* <p> The six logging levels used by <code>Log</code> are (in order):

*

* trace (the least serious)

* debug

* info

* warn

* error

* fatal (the most serious)

```

* </ol>
* The mapping of these log levels to the concepts used by the underlying
* logging system is implementation dependent.
* The implementation should ensure, though, that this ordering behaves
* as expected.</p>
*
* <p>Performance is often a logging concern.
* By examining the appropriate property,
* a component can avoid expensive operations (producing information
* to be logged).</p>
*
* <p> For example,
* <code><pre>
*   if (log.isDebugEnabled()) {
*     ... do something expensive ...
*     log.debug(theResult);
*   }
* </pre></code>
* </p>
*
* <p>Configuration of the underlying logging system will generally be done
* external to the Logging APIs, through whatever mechanism is supported by
* that system.</p>
*
* <p style="color: #E40; font-weight: bold;">Please note that this interface is identical to that found in JCL
1.1.1.</p>
*
* @author <a href="mailto:sanders@apache.org">Scott Sanders</a>
* @author Rod Waldhoff
* @version $Id: Log.java,v 1.19 2004/06/06 21:16:04 rdonkin Exp $
*/
public interface Log {

    // ----- Logging Properties

    /**
    * <p> Is debug logging currently enabled? </p>
    *
    * <p> Call this method to prevent having to perform expensive operations
    * (for example, <code>String</code> concatenation)
    * when the log level is more than debug. </p>
    */
    public boolean isDebugEnabled();

    /**

```

```

* <p> Is error logging currently enabled? </p>
*
* <p> Call this method to prevent having to perform expensive operations
* (for example, <code>String</code> concatenation)
* when the log level is more than error. </p>
*/
public boolean isErrorEnabled();

/**
* <p> Is fatal logging currently enabled? </p>
*
* <p> Call this method to prevent having to perform expensive operations
* (for example, <code>String</code> concatenation)
* when the log level is more than fatal. </p>
*/
public boolean isFatalEnabled();

/**
* <p> Is info logging currently enabled? </p>
*
* <p> Call this method to prevent having to perform expensive operations
* (for example, <code>String</code> concatenation)
* when the log level is more than info. </p>
*
* @return true if info enabled, false otherwise
*/
public boolean isInfoEnabled();

/**
* <p> Is trace logging currently enabled? </p>
*
* <p> Call this method to prevent having to perform expensive operations
* (for example, <code>String</code> concatenation)
* when the log level is more than trace. </p>
*
* @return true if trace enabled, false otherwise
*/
public boolean isTraceEnabled();

/**
* <p> Is warn logging currently enabled? </p>
*
* <p> Call this method to prevent having to perform expensive operations
* (for example, <code>String</code> concatenation)

```

```

* when the log level is more than warn. </p>
*/
public boolean isWarnEnabled();

// ----- Logging Methods

/**
 * <p> Log a message with trace log level. </p>
 *
 * @param message log this message
 */
public void trace(Object message);

/**
 * <p> Log an error with trace log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void trace(Object message, Throwable t);

/**
 * <p> Log a message with debug log level. </p>
 *
 * @param message log this message
 */
public void debug(Object message);

/**
 * <p> Log an error with debug log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void debug(Object message, Throwable t);

/**
 * <p> Log a message with info log level. </p>
 *
 * @param message log this message
 */
public void info(Object message);

```



```
/**
 * <p> Log an error with info log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void info(Object message, Throwable t);
```

```
/**
 * <p> Log a message with warn log level. </p>
 *
 * @param message log this message
 */
public void warn(Object message);
```

```
/**
 * <p> Log an error with warn log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void warn(Object message, Throwable t);
```

```
/**
 * <p> Log a message with error log level. </p>
 *
 * @param message log this message
 */
public void error(Object message);
```

```
/**
 * <p> Log an error with error log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void error(Object message, Throwable t);
```

```
/**
 * <p> Log a message with fatal log level. </p>
 *
```

```

    * @param message log this message
    */
    public void fatal(Object message);

    /**
     * <p>Log an error with fatal log level. </p>
     *
     * @param message log this message
     * @param t log this cause
     */
    public void fatal(Object message, Throwable t);

}

```

1.584 JCodings 1.0.10

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1.585 JDom JDom 1.1

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*/

1.586 jersey-client 1.19

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1.612 jnr-ffi 1.0.10

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1.627 jquery.dataTables.yadcf.js 0.8.3

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/*global $, jQuery, exFilterColumn*/
```

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/*jshint plusplus: true, nomen: true */
```

```
/*!
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```
* Yet Another DataTables Column Filter - (yadcf)
```

```
*
```

```
* File:    jquery.dataTables.yadcf.js
```

```
* Version: 0.8.3
```

```
*
```

```
* Author:  Daniel Reznick
```

```
* Info:    https://github.com/vedmack/yadcf
```

```
* Contact: vedmack@gmail.com
```

```
* Twitter: @danielreznick
```

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* Q&A     https://groups.google.com/forum/#!forum/daniels\_code
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1.628 jquery.multi-select.js 0.9.12

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1.629 jquery.selectBoxIt.min.js 3.8.1

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1.630 jquery.validate.min.js 1.13

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1.631 JRuby Core 1.7.15

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```
require 'jruby/java/java_module'
require 'jruby/java/java_package_module_template'
require 'jruby/java/java_utilities'
```

```
require 'jruby/java/core_ext'
require 'jruby/java/java_ext'
```

```
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package org.jruby;

/**

* An almost entirely useless interface for those objects that we `_really_` want
* to finalize.

*

* @author pldms

*

*/

```
public interface Finalizable {  
    public void finalize() throws Throwable;  
}
```

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```

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Jan Holmberg, <jan@artech.net> :

- o Memory framework
- o HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au> :

- o MISC checker redesign
- o Scheduler framework extension to support
child process handling.
- o Daemon framework extension to block SIGCHLD
to only receive it when its unblocked in the
scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu> :

- o Added SMTP checker

Chris Caputo, <ccaputo@alt.net> :

- o Added dont_track_primary, nopreempt,
preempt_delay, and misc_dynamic.

Kevin Lindsay, <kevinl@netnation.com> :

- o Fixed shadowed declaration reported by -Wshadow.
- o Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com> :

- o Patch for u_threshold and l_threshold support.

Willy Tarreau, <w at 1wt.eu> :

- o Extended VRRP framework to support floating
priority.

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```

```
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1.658 keyutils 1.4 :5.el6

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

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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>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

```
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
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Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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) 19yy 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 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:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the 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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Version 2.1, February 1999

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

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

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means

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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

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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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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 normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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

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

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

That's all there is to it!

1.659 keyutils_GPLv2 1.5.8 :3.e17

1.659.1 Available under license :

```
/* keyutils.h: key utility library interface
*
* Copyright (C) 2005,2011 Red Hat, Inc. All Rights Reserved.
* Written by David Howells (dhowells@redhat.com)
*
* This program is free software; you can redistribute it and/or
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* 2 of the License, or (at your option) any later version.
*/
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```

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Version 2, June 1991

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```

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```

1.660 kind-of 3.0.2

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1.661 klaw 1.1.3

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1.662 lazy-cache 0.2.7

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1.663 lazystream 1.0.0

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1.665 libacl 2.2.49 :6.el6

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This package was debianized by Nathan Scott nathans@debian.org on
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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1.668 libConfuse 2.7 :4.e16

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1.669 libevent 1.4.13 :4.el6

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# Originally written by Per Bothner <per@bothner.com>.
# Please send patches to <config-patches@gnu.org>. Submit a context
# diff and a properly formatted ChangeLog entry.
#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# The plan is that this can be called by configure scripts if you
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#!/bin/sh
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*/

/* The original version of this module was written by Adam Langley; for
* a history of modifications, check out the subversion logs.

*

* When editing this module, try to keep it re-mergeable by Adam. Don't
* reformat the whitespace, add Tor dependencies, or so on.

*

* TODO:

* - Support IPv6 and PTR records.

* - Replace all externally visible magic numbers with #defined constants.

* - Write documentation for APIs of all external functions.

*/

/* Async DNS Library

* Adam Langley <agl@imperialviolet.org>

* <http://www.imperialviolet.org/eventdns.html>

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* Version: 0.1b

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1.671 libfontenc 1.0.5 :2.el6

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1.672 libgssglue 0.1 :11.el6

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1.673 libgtop2 2.34.2 :2.el7

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1.674 libICE 1.0.6 :1.el6

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Author: Ralph Mor, X Consortium

1.675 libjpeg-turbo 1.2.1 :3.el6_5

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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.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some 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

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This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to

the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

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. 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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of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

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, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

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.

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REFERENCES

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We 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 <http://www.ijg.org/files/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 currently available 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).

The original JPEG 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.

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. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>. A PostScript version of the JFIF document is available at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/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 <http://www.ijg.org/files/>. 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.

ARCHIVE LOCATIONS

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The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsr8d.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr8d.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

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
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FILE FORMAT WARS

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The ISO JPEG standards committee actually promotes different formats like "JPEG 2000" or "JPEG XR", which are incompatible with original DCT-based JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files. Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

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Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

1.676 libpwquality 1.2.3 :5.e17

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```
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```

```
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1.677 libselinux-utils 2.0.94 :5.8.el6

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1.678 libSM 1.2.1 :2.e16

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```
#!/bin/sh
```

```
find . -type f \! -name \*~ \! -exec grep -q Begin-Header \{\} \; -print \
| grep -v ^./build
```

This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>.

from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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

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

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Theodore Ts'o
23-June-2007

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Index: tdbsa/tdb.c

=====

-- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

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-
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1.681 libssh2 1.4.2 :1.el6_6.1

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*/
```

```
/* Note: This include file is only needed for using the
* publickey SUBSYSTEM which is not the same as publickey
* authentication. For authentication you only need libssh2.h
*
* For more information on the publickey subsystem,
* refer to IETF draft: secsh-publickey
*/
```

```
#ifndef LIBSSH2_PUBLICKEY_H
#define LIBSSH2_PUBLICKEY_H 1
```

```
#include "libssh2.h"
```

```
typedef struct _LIBSSH2_PUBLICKEY      LIBSSH2_PUBLICKEY;
```

```
typedef struct _libssh2_publickey_attribute {
    const char *name;
    unsigned long name_len;
    const char *value;
    unsigned long value_len;
    char mandatory;
} libssh2_publickey_attribute;
```

```
typedef struct _libssh2_publickey_list {
    unsigned char *packet; /* For freeing */
```

```
    const unsigned char *name;
    unsigned long name_len;
    const unsigned char *blob;
    unsigned long blob_len;
    unsigned long num_attrs;
    libssh2_publickey_attribute *attrs; /* free me */
```

```

} libssh2_publickey_list;

/* Generally use the first macro here, but if both name and value are string literals, you can use _fast() to take
advantage of preprocessing */
#define libssh2_publickey_attribute(name, value, mandatory) \
{ (name), strlen(name), (value), strlen(value), (mandatory) },
#define libssh2_publickey_attribute_fast(name, value, mandatory) \
{ (name), sizeof(name) - 1, (value), sizeof(value) - 1, (mandatory) },

#ifdef __cplusplus
extern "C" {
#endif

/* Publickey Subsystem */
LIBSSH2_API LIBSSH2_PUBLICKEY *libssh2_publickey_init(LIBSSH2_SESSION *session);

LIBSSH2_API int libssh2_publickey_add_ex(LIBSSH2_PUBLICKEY *pkey,
const unsigned char *name,
unsigned long name_len,
const unsigned char *blob,
unsigned long blob_len, char overwrite,
unsigned long num_attrs,
const libssh2_publickey_attribute attrs[]);
#define libssh2_publickey_add(pkey, name, blob, blob_len, overwrite, \
num_attrs, attrs) \
libssh2_publickey_add_ex((pkey), (name), strlen(name), (blob), (blob_len), \
(overwrite), (num_attrs), (attrs))

LIBSSH2_API int libssh2_publickey_remove_ex(LIBSSH2_PUBLICKEY *pkey,
const unsigned char *name,
unsigned long name_len,
const unsigned char *blob,
unsigned long blob_len);
#define libssh2_publickey_remove(pkey, name, blob, blob_len) \
libssh2_publickey_remove_ex((pkey), (name), strlen(name), (blob), (blob_len))

LIBSSH2_API int
libssh2_publickey_list_fetch(LIBSSH2_PUBLICKEY *pkey,
unsigned long *num_keys,
libssh2_publickey_list **pkey_list);
LIBSSH2_API void libssh2_publickey_list_free(LIBSSH2_PUBLICKEY *pkey,
libssh2_publickey_list *pkey_list);

LIBSSH2_API int libssh2_publickey_shutdown(LIBSSH2_PUBLICKEY *pkey);

#ifdef __cplusplus
} /* extern "C" */
#endif

```

#endif /* ifndef: LIBSSH2_PUBLICKEY_H */

1.682 libthai 0.1.12 :3.el6

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Version 2.1, February 1999

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1.683 libtiff 3.9.4 :10.el6_5

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1.684 libunistring_tests 0.9.3 :9.e17

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@item

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@item

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Version 3, 29 June 2007

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1.685 libXau 1.0.6 :4.el6

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1.686 libXcomposite 0.4.3 :4.el6

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1.687 libXcursor 1.1.14 :2.1.e16

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1.688 libXdamage 1.1.3 :4.e16

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1.689 libXext 1.3.2 :2.1.e16

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1.690 libXfixes 5.0.1 :2.1.el6

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1.691 libXfont 1.4.5-4.el6_6

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/* lib/font/fontfile/gunzip.c

written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.

intended for inclusion in X11 public releases. */

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1.692 libXft 2.3.1 :2.e16

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1.693 libXi 1.7.2 :2.2.el6

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1.694 libXinerama 1.1.3 :2.1.el6

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1.695 libXrandr 1.4.1 :2.1.el6

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1.696 libXrender 0.9.8 :2.1.el6

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1.697 libxslt_GPLv2 1.1.28 :5.e17

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/*

* libxslt_pipes.c: a program for performing a series of XSLT
* transformations

*

* Written by Panos Louridas, based on libxslt_tutorial.c by John Fleck.

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1.698 libXtst 1.2.2 :2.1.e16

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1.702 livereload-js 2.2.2

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1.703 Im_sensors 3.1.1 :17.el6

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Here is a list of the main contributors to Im-sensors version 3.

* Frodo Looijaard

Original author of libsensors, sensors-detect, sensors and isadump.

* Merlin Hughes

Original author of sensord.

* Bob Schlaermann

Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.

* Mark M. Hoffman

Many improvements to the libsensors configuration file scanner.

* Jean Delvare

New libsensors API, and migration of sensors and sensord thereto.

Many optimizations in libsensors and sensors.
Configuration file converter.
Rewrite of sensors-detect.
Support for multiple configuration files in libsensors.

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1.756 Iodash.topplainobject 3.0.0

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1.761 log4j-over-slf4j 1.7.12

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cat logback-core-1.1.2-sources/ch/qos/logback/core/LayoutBase.java

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1.769 loud-rejection 1.2.1

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1.770 Iru-cache 2.7.3

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1.771 mail 1.4

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 */

/*
 * @(#)IllegalWriteException.java 1.5 05/08/29
 *
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 */

package javax.mail;
```

```

/**
 * The exception thrown when a write is attempted on a read-only attribute
 * of any Messaging object.
 *
 * @author John Mani
 */

public
class IllegalWriteException extends MessagingException {

    private static final long serialVersionUID = 3974370223328268013L;

    /**
     * Constructs a IllegalWriteException with no detail message.
     */
    public IllegalWriteException() {
        super();
    }

    /**
     * Constructs a IllegalWriteException with the specified detail message.
     * @param s the detail message
     */
    public IllegalWriteException(String s) {
        super(s);
    }
}

```

1.772 mailx 12.4 :8.el6_6

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```

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*

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```
=====  
/*  
* imap_gssapi.c is partially derived from sample code in:  
* GSS-API Programming Guide  
* Part No: 816-1331-11  
* Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.  
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*/
```

```
=====  
/* md5.h and md5.c are derived from RFC 1321:
```

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/*

* hmac.c is derived from:

Network Working Group H. Krawczyk
Request for Comments: 2104 IBM
Category: Informational M. Bellare
 UCSD
 R. Canetti
 IBM
 February 1997

HMAC: Keyed-Hashing for Message Authentication

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Appendix -- Sample Code

=====

Parts of nss.c are derived from the Mozilla NSS 3.9.2 source, mozilla/security/nss/cmd/smimertools/cmsutil.c. Therefore:

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1.797 mime-types 2.1.11

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1.799 mime-types 2.0.14

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1.800 mime4j 0.7.2

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1.801 mina-core 2.0.7

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1.819 multipipe 0.1.2

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1.820 mx4j 3.0.1 :9.13.e16

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1.825 negotiator 0.4.9

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```
package io.netty.util.internal.chmv8;
```

```
import java.util.concurrent.RecursiveAction;
```

```
/**
```

```
* A {@link ForkJoinTask} with a completion action performed when  
* triggered and there are no remaining pending actions.  
* CountedCompleters are in general more robust in the  
* presence of subtask stalls and blockage than are other forms of  
* ForkJoinTasks, but are less intuitive to program. Uses of  
* CountedCompleter are similar to those of other completion based  
* components (such as {@link java.nio.channels.CompletionHandler})  
* except that multiple pending completions may be necessary  
* to trigger the completion action {@link #onCompletion(CountedCompleter)},  
* not just one.
```

```
* Unless initialized otherwise, the {@linkplain #getPendingCount pending  
* count} starts at zero, but may be (atomically) changed using  
* methods {@link #setPendingCount}, {@link #addToPendingCount}, and  
* {@link #compareAndSetPendingCount}. Upon invocation of {@link  
* #tryComplete}, if the pending action count is nonzero, it is  
* decremented; otherwise, the completion action is performed, and if  
* this completer itself has a completer, the process is continued  
* with its completer. As is the case with related synchronization  
* components such as {@link java.util.concurrent.Phaser Phaser} and  
* {@link java.util.concurrent.Semaphore Semaphore}, these methods  
* affect only internal counts; they do not establish any further  
* internal bookkeeping. In particular, the identities of pending  
* tasks are not maintained. As illustrated below, you can create  
* subclasses that do record some or all pending tasks or their  
* results when needed. As illustrated below, utility methods  
* supporting customization of completion traversals are also  
* provided. However, because CountedCompleters provide only basic  
* synchronization mechanisms, it may be useful to create further  
* abstract subclasses that maintain linkages, fields, and additional  
* support methods appropriate for a set of related usages.
```

```
*
```

```
* <p>A concrete CountedCompleter class must define method {@link  
* #compute}, that should in most cases (as illustrated below), invoke  
* {@code tryComplete()} once before returning. The class may also  
* optionally override method {@link #onCompletion(CountedCompleter)}  
* to perform an action upon normal completion, and method  
* {@link #onExceptionalCompletion(Throwable, CountedCompleter)} to  
* perform an action upon any exception.
```

*
* <p>CountedCompleters most often do not bear results, in which case
* they are normally declared as { @code CountedCompleter<Void> }, and
* will always return { @code null } as a result value. In other cases,
* you should override method { @link #getRawResult } to provide a
* result from { @code join(), invoke() }, and related methods. In
* general, this method should return the value of a field (or a
* function of one or more fields) of the CountedCompleter object that
* holds the result upon completion. Method { @link #setRawResult } by
* default plays no role in CountedCompleters. It is possible, but
* rarely applicable, to override this method to maintain other
* objects or fields holding result data.

*
* <p>A CountedCompleter that does not itself have a completer (i.e.,
* one for which { @link #getCompleter } returns { @code null }) can be
* used as a regular ForkJoinTask with this added functionality.
* However, any completer that in turn has another completer serves
* only as an internal helper for other computations, so its own task
* status (as reported in methods such as { @link ForkJoinTask#isDone })
* is arbitrary; this status changes only upon explicit invocations of
* { @link #complete }, { @link ForkJoinTask#cancel },
* { @link ForkJoinTask#completeExceptionally(Throwable) } or upon
* exceptional completion of method { @code compute }. Upon any
* exceptional completion, the exception may be relayed to a task's
* completer (and its completer, and so on), if one exists and it has
* not otherwise already completed. Similarly, cancelling an internal
* CountedCompleter has only a local effect on that completer, so is
* not often useful.

*
* <p>Sample Usages.</p>

*
* <p>Parallel recursive decomposition. CountedCompleters may
* be arranged in trees similar to those often used with { @link
* RecursiveAction }s, although the constructions involved in setting
* them up typically vary. Here, the completer of each task is its
* parent in the computation tree. Even though they entail a bit more
* bookkeeping, CountedCompleters may be better choices when applying
* a possibly time-consuming operation (that cannot be further
* subdivided) to each element of an array or collection; especially
* when the operation takes a significantly different amount of time
* to complete for some elements than others, either because of
* intrinsic variation (for example I/O) or auxiliary effects such as
* garbage collection. Because CountedCompleters provide their own
* continuations, other threads need not block waiting to perform
* them.

*
* <p>For example, here is an initial version of a class that uses
* divide-by-two recursive decomposition to divide work into single

* pieces (leaf tasks). Even when work is split into individual calls,
 * tree-based techniques are usually preferable to directly forking
 * leaf tasks, because they reduce inter-thread communication and
 * improve load balancing. In the recursive case, the second of each
 * pair of subtasks to finish triggers completion of its parent
 * (because no result combination is performed, the default no-op
 * implementation of method { @code onComplete } is not overridden).
 * A static utility method sets up the base task and invokes it
 * (here, implicitly using the { @link ForkJoinPool#commonPool()}).

```

*
* <pre> { @code
* class MyOperation<E> { void apply(E e) { ... } }
*
* class ForEach<E> extends CountedCompleter<Void> {
*
*   public static <E> void forEach(E[] array, MyOperation<E> op) {
*     new ForEach<E>(null, array, op, 0, array.length).invoke();
*   }
*
*   final E[] array; final MyOperation<E> op; final int lo, hi;
*   ForEach(CountedCompleter<?> p, E[] array, MyOperation<E> op, int lo, int hi) {
*     super(p);
*     this.array = array; this.op = op; this.lo = lo; this.hi = hi;
*   }
*
*   public void compute() { // version 1
*     if (hi - lo >= 2) {
*       int mid = (lo + hi) >>> 1;
*       setPendingCount(2); // must set pending count before fork
*       new ForEach(this, array, op, mid, hi).fork(); // right child
*       new ForEach(this, array, op, lo, mid).fork(); // left child
*     }
*     else if (hi > lo)
*       op.apply(array[lo]);
*     tryComplete();
*   }
* }</pre>
*
* This design can be improved by noticing that in the recursive case,
* the task has nothing to do after forking its right task, so can
* directly invoke its left task before returning. (This is an analog
* of tail recursion removal.) Also, because the task returns upon
* executing its left task (rather than falling through to invoke
* { @code tryComplete }) the pending count is set to one:
*
* <pre> { @code
* class ForEach<E> ...
*   public void compute() { // version 2

```



```

*   if (hi - lo >= 2) {
*       int mid = (lo + hi) >>> 1;
*       setPendingCount(1); // only one pending
*       new ForEach(this, array, op, mid, hi).fork(); // right child
*       new ForEach(this, array, op, lo, mid).compute(); // direct invoke
*   }
*   else {
*       if (hi > lo)
*           op.apply(array[lo]);
*       tryComplete();
*   }
* }
* }</pre>

```

* As a further improvement, notice that the left task need not even exist.
 * Instead of creating a new one, we can iterate using the original task,
 * and add a pending count for each fork. Additionally, because no task
 * in this tree implements an { @link #onCompletion(CountedCompleter) } method,
 * { @code tryComplete() } can be replaced with { @link #propagateCompletion }.

```

* <pre> { @code
* class ForEach<E> ...
*   public void compute() { // version 3
*       int l = lo, h = hi;
*       while (h - l >= 2) {
*           int mid = (l + h) >>> 1;
*           addToPendingCount(1);
*           new ForEach(this, array, op, mid, h).fork(); // right child
*           h = mid;
*       }
*       if (h > l)
*           op.apply(array[l]);
*       propagateCompletion();
*   }
* }</pre>

```

* Additional improvements of such classes might entail precomputing
 * pending counts so that they can be established in constructors,
 * specializing classes for leaf steps, subdividing by say, four,
 * instead of two per iteration, and using an adaptive threshold
 * instead of always subdividing down to single elements.

* <p>Searching. A tree of CountedCompleters can search for a
 * value or property in different parts of a data structure, and
 * report a result in an { @link
 * java.util.concurrent.atomic.AtomicReference AtomicReference } as
 * soon as one is found. The others can poll the result to avoid
 * unnecessary work. (You could additionally { @linkplain #cancel

* cancel} other tasks, but it is usually simpler and more efficient
 * to just let them notice that the result is set and if so skip
 * further processing.) Illustrating again with an array using full
 * partitioning (again, in practice, leaf tasks will almost always
 * process more than one element):
 *
 * <pre> { @code
 * class Searcher<E> extends CountedCompleter<E> {
 * final E[] array; final AtomicReference<E> result; final int lo, hi;
 * Searcher(CountedCompleter<?> p, E[] array, AtomicReference<E> result, int lo, int hi) {
 * super(p);
 * this.array = array; this.result = result; this.lo = lo; this.hi = hi;
 * }
 * public E getRawResult() { return result.get(); }
 * public void compute() { // similar to ForEach version 3
 * int l = lo, h = hi;
 * while (result.get() == null && h >= l) {
 * if (h - l >= 2) {
 * int mid = (l + h) >>> 1;
 * addToPendingCount(1);
 * new Searcher(this, array, result, mid, h).fork();
 * h = mid;
 * }
 * else {
 * E x = array[l];
 * if (matches(x) && result.compareAndSet(null, x))
 * quietlyCompleteRoot(); // root task is now joinable
 * break;
 * }
 * }
 * tryComplete(); // normally complete whether or not found
 * }
 * boolean matches(E e) { ... } // return true if found
 * }
 * public static <E> E search(E[] array) {
 * return new Searcher<E>(null, array, new AtomicReference<E>(), 0, array.length).invoke();
 * }
 * }</pre>
 *
 * In this example, as well as others in which tasks have no other
 * effects except to compareAndSet a common result, the trailing
 * unconditional invocation of { @code tryComplete } could be made
 * conditional ({ @code if (result.get() == null) tryComplete(); })
 * because no further bookkeeping is required to manage completions
 * once the root task completes.
 *
 * <p>Recording subtasks. CountedCompleter tasks that combine
 * results of multiple subtasks usually need to access these results

* in method { @link #onCompletion(CountedCompleter)}. As illustrated in the following
 * class (that performs a simplified form of map-reduce where mappings
 * and reductions are all of type { @code E}), one way to do this in
 * divide and conquer designs is to have each subtask record its
 * sibling, so that it can be accessed in method { @code onCompletion}.
 * This technique applies to reductions in which the order of
 * combining left and right results does not matter; ordered
 * reductions require explicit left/right designations. Variants of
 * other streamlinings seen in the above examples may also apply.

```
* <pre> { @code
* class MyMapper<E> { E apply(E v) { ... } }
* class MyReducer<E> { E apply(E x, E y) { ... } }
* class MapReducer<E> extends CountedCompleter<E> {
*   final E[] array; final MyMapper<E> mapper;
*   final MyReducer<E> reducer; final int lo, hi;
*   MapReducer<E> sibling;
*   E result;
*   MapReducer(CountedCompleter<?> p, E[] array, MyMapper<E> mapper,
*     MyReducer<E> reducer, int lo, int hi) {
*     super(p);
*     this.array = array; this.mapper = mapper;
*     this.reducer = reducer; this.lo = lo; this.hi = hi;
*   }
*   public void compute() {
*     if (hi - lo >= 2) {
*       int mid = (lo + hi) >>> 1;
*       MapReducer<E> left = new MapReducer(this, array, mapper, reducer, lo, mid);
*       MapReducer<E> right = new MapReducer(this, array, mapper, reducer, mid, hi);
*       left.sibling = right;
*       right.sibling = left;
*       setPendingCount(1); // only right is pending
*       right.fork();
*       left.compute(); // directly execute left
*     }
*     else {
*       if (hi > lo)
*         result = mapper.apply(array[lo]);
*       tryComplete();
*     }
*   }
*   public void onCompletion(CountedCompleter<?> caller) {
*     if (caller != this) {
*       MapReducer<E> child = (MapReducer<E>)caller;
*       MapReducer<E> sib = child.sibling;
*       if (sib == null || sib.result == null)
*         result = child.result;
*     }
*     else
```

```

*     result = reducer.apply(child.result, sib.result);
*   }
* }
* public E getRawResult() { return result; }
*
* public static <E> E mapReduce(E[] array, MyMapper<E> mapper, MyReducer<E> reducer) {
*   return new MapReducer<E>(null, array, mapper, reducer,
*     0, array.length).invoke();
* }
* }}</pre>
*

```

* Here, method { @code onCompletion } takes a form common to many completion designs that combine results. This callback-style method is triggered once per task, in either of the two different contexts in which the pending count is, or becomes, zero: (1) by a task itself, if its pending count is zero upon invocation of { @code tryComplete }, or (2) by any of its subtasks when they complete and decrement the pending count to zero. The { @code caller } argument distinguishes cases. Most often, when the caller is { @code this }, no action is necessary. Otherwise the caller argument can be used (usually via a cast) to supply a value (and/or links to other values) to be combined. Assuming proper use of pending counts, the actions inside { @code onCompletion } occur (once) upon completion of a task and its subtasks. No additional synchronization is required within this method to ensure thread safety of accesses to fields of this task or other completed tasks.

* <p>Completion Traversals. If using { @code onCompletion } to process completions is inapplicable or inconvenient, you can use methods { @link #firstComplete } and { @link #nextComplete } to create custom traversals. For example, to define a MapReducer that only splits out right-hand tasks in the form of the third ForEach example, the completions must cooperatively reduce along unexhausted subtask links, which can be done as follows:

```

* <pre> { @code
* class MapReducer<E> extends CountedCompleter<E> { // version 2
*   final E[] array; final MyMapper<E> mapper;
*   final MyReducer<E> reducer; final int lo, hi;
*   MapReducer<E> forks, next; // record subtask forks in list
*   E result;
*   MapReducer(CountedCompleter<?> p, E[] array, MyMapper<E> mapper,
*     MyReducer<E> reducer, int lo, int hi, MapReducer<E> next) {
*     super(p);
*     this.array = array; this.mapper = mapper;
*     this.reducer = reducer; this.lo = lo; this.hi = hi;
*     this.next = next;
*   }

```

```

* public void compute() {
*   int l = lo, h = hi;
*   while (h - l >= 2) {
*     int mid = (l + h) >>> 1;
*     addToPendingCount(1);
*     (forks = new MapReducer(this, array, mapper, reducer, mid, h, forks)).fork();
*     h = mid;
*   }
*   if (h > 1)
*     result = mapper.apply(array[l]);
*   // process completions by reducing along and advancing subtask links
*   for (CountedCompleter<?> c = firstComplete(); c != null; c = c.nextComplete()) {
*     for (MapReducer t = (MapReducer)c, s = t.forks; s != null; s = t.forks = s.next)
*       t.result = reducer.apply(t.result, s.result);
*   }
* }
* public E getRawResult() { return result; }
*
* public static <E> E mapReduce(E[] array, MyMapper<E> mapper, MyReducer<E> reducer) {
*   return new MapReducer<E>(null, array, mapper, reducer,
*     0, array.length, null).invoke();
* }
* }</pre>

```

Triggers. Some CountedCompleters are themselves never forked, but instead serve as bits of plumbing in other designs; including those in which the completion of one or more async tasks triggers another async task. For example:

```

<pre> { @code
* class HeaderBuilder extends CountedCompleter<...> { ... }
* class BodyBuilder extends CountedCompleter<...> { ... }
* class PacketSender extends CountedCompleter<...> {
*   PacketSender(...) { super(null, 1); ... } // trigger on second completion
*   public void compute() { } // never called
*   public void onCompletion(CountedCompleter<?> caller) { sendPacket(); }
* }
* // sample use:
* PacketSender p = new PacketSender();
* new HeaderBuilder(p, ...).fork();
* new BodyBuilder(p, ...).fork();
* }</pre>

```

* @since 1.8

* @author Doug Lea

*/

```

@SuppressWarnings("all")
public abstract class CountedCompleter<T> extends ForkJoinTask<T> {

```

```
private static final long serialVersionUID = 5232453752276485070L;
```

```
/** This task's completer, or null if none */
```

```
final CountedCompleter<?> completer;
```

```
/** The number of pending tasks until completion */
```

```
volatile int pending;
```

```
/**
```

```
 * Creates a new CountedCompleter with the given completer
```

```
 * and initial pending count.
```

```
 *
```

```
 * @param completer this task's completer, or { @code null } if none
```

```
 * @param initialPendingCount the initial pending count
```

```
 */
```

```
protected CountedCompleter(CountedCompleter<?> completer,
```

```
                           int initialPendingCount) {
```

```
    this.completer = completer;
```

```
    this.pending = initialPendingCount;
```

```
}
```

```
/**
```

```
 * Creates a new CountedCompleter with the given completer
```

```
 * and an initial pending count of zero.
```

```
 *
```

```
 * @param completer this task's completer, or { @code null } if none
```

```
 */
```

```
protected CountedCompleter(CountedCompleter<?> completer) {
```

```
    this.completer = completer;
```

```
}
```

```
/**
```

```
 * Creates a new CountedCompleter with no completer
```

```
 * and an initial pending count of zero.
```

```
 */
```

```
protected CountedCompleter() {
```

```
    this.completer = null;
```

```
}
```

```
/**
```

```
 * The main computation performed by this task.
```

```
 */
```

```
public abstract void compute();
```

```
/**
```

```
 * Performs an action when method { @link #tryComplete } is invoked
```

```
 * and the pending count is zero, or when the unconditional
```

```
 * method { @link #complete } is invoked. By default, this method
```

```
 * does nothing. You can distinguish cases by checking the
```

```

* identity of the given caller argument. If not equal to { @code
* this}, then it is typically a subtask that may contain results
* (and/or links to other results) to combine.
*
* @param caller the task invoking this method (which may
* be this task itself)
*/
public void onCompletion(CountedCompleter<?> caller) {
}

/**
* Performs an action when method { @link
* #completeExceptionally(Throwable)} is invoked or method { @link
* #compute} throws an exception, and this task has not already
* otherwise completed normally. On entry to this method, this task
* { @link ForkJoinTask#isCompletedAbnormally}. The return value
* of this method controls further propagation: If { @code true}
* and this task has a completer that has not completed, then that
* completer is also completed exceptionally, with the same
* exception as this completer. The default implementation of
* this method does nothing except return { @code true}.
*
* @param ex the exception
* @param caller the task invoking this method (which may
* be this task itself)
* @return { @code true} if this exception should be propagated to this
* task's completer, if one exists
*/
public boolean onExceptionalCompletion(Throwable ex, CountedCompleter<?> caller) {
    return true;
}

/**
* Returns the completer established in this task's constructor,
* or { @code null} if none.
*
* @return the completer
*/
public final CountedCompleter<?> getCompleter() {
    return completer;
}

/**
* Returns the current pending count.
*
* @return the current pending count
*/
public final int getPendingCount() {

```

```

    return pending;
}

/**
 * Sets the pending count to the given value.
 *
 * @param count the count
 */
public final void setPendingCount(int count) {
    pending = count;
}

/**
 * Adds (atomically) the given value to the pending count.
 *
 * @param delta the value to add
 */
public final void addToPendingCount(int delta) {
    int c;
    do {} while (!U.compareAndSwapInt(this, PENDING, c = pending, c+delta));
}

/**
 * Sets (atomically) the pending count to the given count only if
 * it currently holds the given expected value.
 *
 * @param expected the expected value
 * @param count the new value
 * @return { @code true } if successful
 */
public final boolean compareAndSetPendingCount(int expected, int count) {
    return U.compareAndSwapInt(this, PENDING, expected, count);
}

/**
 * If the pending count is nonzero, (atomically) decrements it.
 *
 * @return the initial (undecremented) pending count holding on entry
 * to this method
 */
public final int decrementPendingCountUnlessZero() {
    int c;
    do {} while ((c = pending) != 0 &&
        !U.compareAndSwapInt(this, PENDING, c, c - 1));
    return c;
}

/**

```



```

* Returns the root of the current computation; i.e., this
* task if it has no completer, else its completer's root.
*
* @return the root of the current computation
*/
public final CountedCompleter<?> getRoot() {
    CountedCompleter<?> a = this, p;
    while ((p = a.completer) != null)
        a = p;
    return a;
}

/**
* If the pending count is nonzero, decrements the count;
* otherwise invokes { @link #onCompletion(CountedCompleter) }
* and then similarly tries to complete this task's completer,
* if one exists, else marks this task as complete.
*/
public final void tryComplete() {
    CountedCompleter<?> a = this, s = a;
    for (int c;;) {
        if ((c = a.pending) == 0) {
            a.onCompletion(s);
            if ((a = (s = a).completer) == null) {
                s.quietlyComplete();
                return;
            }
        }
        else if (U.compareAndSwapInt(a, PENDING, c, c - 1))
            return;
    }
}

/**
* Equivalent to { @link #tryComplete } but does not invoke { @link
* #onCompletion(CountedCompleter) } along the completion path:
* If the pending count is nonzero, decrements the count;
* otherwise, similarly tries to complete this task's completer, if
* one exists, else marks this task as complete. This method may be
* useful in cases where { @code onCompletion } should not, or need
* not, be invoked for each completer in a computation.
*/
public final void propagateCompletion() {
    CountedCompleter<?> a = this, s = a;
    for (int c;;) {
        if ((c = a.pending) == 0) {
            if ((a = (s = a).completer) == null) {
                s.quietlyComplete();
            }
        }
    }
}

```

```

        return;
    }
}
else if (U.compareAndSwapInt(a, PENDING, c, c - 1))
    return;
}
}

/**
 * Regardless of pending count, invokes
 * {@link #onCompletion(CountedCompleter)}, marks this task as
 * complete and further triggers {@link #tryComplete} on this
 * task's completer, if one exists. The given rawResult is
 * used as an argument to {@link #setRawResult} before invoking
 * {@link #onCompletion(CountedCompleter)} or marking this task
 * as complete; its value is meaningful only for classes
 * overriding {@code setRawResult}. This method does not modify
 * the pending count.
 *
 * <p>This method may be useful when forcing completion as soon as
 * any one (versus all) of several subtask results are obtained.
 * However, in the common (and recommended) case in which {@code
 * setRawResult} is not overridden, this effect can be obtained
 * more simply using {@code quietlyCompleteRoot();}.
 *
 * @param rawResult the raw result
 */
public void complete(T rawResult) {
    CountedCompleter<?> p;
    setRawResult(rawResult);
    onCompletion(this);
    quietlyComplete();
    if ((p = completer) != null)
        p.tryComplete();
}

/**
 * If this task's pending count is zero, returns this task;
 * otherwise decrements its pending count and returns {@code
 * null}. This method is designed to be used with {@link
 * #nextComplete} in completion traversal loops.
 *
 * @return this task, if pending count was zero, else {@code null}
 */
public final CountedCompleter<?> firstComplete() {
    for (int c;;) {
        if ((c = pending) == 0)

```

```

        return this;
    else if (U.compareAndSwapInt(this, PENDING, c, c - 1))
        return null;
    }
}

/**
 * If this task does not have a completer, invokes {@link
 * ForkJoinTask#quietlyComplete} and returns {@code null}. Or, if
 * the completer's pending count is non-zero, decrements that
 * pending count and returns {@code null}. Otherwise, returns the
 * completer. This method can be used as part of a completion
 * traversal loop for homogeneous task hierarchies:
 *
 * <pre> {@code
 * for (CountedCompleter<?> c = firstComplete();
 *      c != null;
 *      c = c.nextComplete()) {
 *     // ... process c ...
 * }}</pre>
 *
 * @return the completer, or {@code null} if none
 */
public final CountedCompleter<?> nextComplete() {
    CountedCompleter<?> p;
    if ((p = completer) != null)
        return p.firstComplete();
    else {
        quietlyComplete();
        return null;
    }
}

/**
 * Equivalent to {@code getRoot().quietlyComplete()}.
 */
public final void quietlyCompleteRoot() {
    for (CountedCompleter<?> a = this, p;;) {
        if ((p = a.completer) == null) {
            a.quietlyComplete();
            return;
        }
        a = p;
    }
}

/**
 * Supports ForkJoinTask exception propagation.

```

```

*/
void internalPropagateException(Throwable ex) {
    CountedCompleter<?> a = this, s = a;
    while (a.onExceptionalCompletion(ex, s) &&
        (a = (s = a).completer) != null && a.status >= 0 &&
        a.recordExceptionalCompletion(ex) == EXCEPTIONAL)
        ;
}

/**
 * Implements execution conventions for CountedCompleters.
 */
protected final boolean exec() {
    compute();
    return false;
}

/**
 * Returns the result of the computation. By default
 * returns {@code null}, which is appropriate for {@code Void}
 * actions, but in other cases should be overridden, almost
 * always to return a field or function of a field that
 * holds the result upon completion.
 *
 * @return the result of the computation
 */
public T getRawResult() { return null; }

/**
 * A method that result-bearing CountedCompleters may optionally
 * use to help maintain result data. By default, does nothing.
 * Overrides are not recommended. However, if this method is
 * overridden to update existing objects or fields, then it must
 * in general be defined to be thread-safe.
 */
protected void setRawResult(T t) { }

// Unsafe mechanics
private static final sun.misc.Unsafe U;
private static final long PENDING;
static {
    try {
        U = getUnsafe();
        PENDING = U.objectFieldOffset
            (CountedCompleter.class.getDeclaredField("pending"));
    } catch (Exception e) {
        throw new Error(e);
    }
}

```

```

}

/**
 * Returns a sun.misc.Unsafe. Suitable for use in a 3rd party package.
 * Replace with a simple call to Unsafe.getUnsafe when integrating
 * into a jdk.
 *
 * @return a sun.misc.Unsafe
 */
private static sun.misc.Unsafe getUnsafe() {
    try {
        return sun.misc.Unsafe.getUnsafe();
    } catch (SecurityException tryReflectionInstead) {}
    try {
        return java.security.AccessController.doPrivileged
            (new java.security.PrivilegedExceptionAction<sun.misc.Unsafe>() {
                public sun.misc.Unsafe run() throws Exception {
                    Class<sun.misc.Unsafe> k = sun.misc.Unsafe.class;
                    for (java.lang.reflect.Field f : k.getDeclaredFields()) {
                        f.setAccessible(true);
                        Object x = f.get(null);
                        if (k.isInstance(x))
                            return k.cast(x);
                    }
                    throw new NoSuchFieldError("the Unsafe");
                }
            });
    } catch (java.security.PrivilegedActionException e) {
        throw new RuntimeException("Could not initialize intrinsics",
            e.getCause());
    }
}
}

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 */

```

```

package io.netty.util.concurrent;

import java.util.concurrent.TimeUnit;

/**
 * A skeletal {@link Future} implementation which represents a {@link Future} which has been completed already.
 */
public abstract class CompleteFuture<V> extends AbstractFuture<V> {

    private final EventExecutor executor;

    /**
     * Creates a new instance.
     *
     * @param executor the {@link EventExecutor} associated with this future
     */
    protected CompleteFuture(EventExecutor executor) {
        this.executor = executor;
    }

    /**
     * Return the {@link EventExecutor} which is used by this {@link CompleteFuture}.
     */
    protected EventExecutor executor() {
        return executor;
    }

    @Override
    public Future<V> addListener(GenericFutureListener<? extends Future<? super V>> listener) {
        if (listener == null) {
            throw new NullPointerException("listener");
        }
        DefaultPromise.notifyListener(executor(), this, listener);
        return this;
    }

    @Override
    public Future<V> addListeners(GenericFutureListener<? extends Future<? super V>>... listeners) {
        if (listeners == null) {
            throw new NullPointerException("listeners");
        }
        for (GenericFutureListener<? extends Future<? super V>> l: listeners) {
            if (l == null) {
                break;
            }
            DefaultPromise.notifyListener(executor(), this, l);
        }
        return this;
    }
}

```

```

}

@Override
public Future<V> removeListener(GenericFutureListener<? extends Future<? super V>> listener) {
    // NOOP
    return this;
}

@Override
public Future<V> removeListeners(GenericFutureListener<? extends Future<? super V>>... listeners) {
    // NOOP
    return this;
}

@Override
public Future<V> await() throws InterruptedException {
    if (Thread.interrupted()) {
        throw new InterruptedException();
    }
    return this;
}

@Override
public boolean await(long timeout, TimeUnit unit) throws InterruptedException {
    if (Thread.interrupted()) {
        throw new InterruptedException();
    }
    return true;
}

@Override
public Future<V> sync() throws InterruptedException {
    return this;
}

@Override
public Future<V> syncUninterruptibly() {
    return this;
}

@Override
public boolean await(long timeoutMillis) throws InterruptedException {
    if (Thread.interrupted()) {
        throw new InterruptedException();
    }
    return true;
}

```

```

@Override
public Future<V> awaitUninterruptibly() {
    return this;
}

@Override
public boolean awaitUninterruptibly(long timeout, TimeUnit unit) {
    return true;
}

@Override
public boolean awaitUninterruptibly(long timeoutMillis) {
    return true;
}

@Override
public boolean isDone() {
    return true;
}

@Override
public boolean isCancelled() {
    return false;
}

@Override
public boolean isCancelled() {
    return false;
}

@Override
public boolean cancel(boolean mayInterruptIfRunning) {
    return false;
}
}
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```



```

* under the License.
*/

package io.netty.util;

/**
 * An {@link IllegalStateException} which is raised when a user attempts to access a {@link ReferenceCounted}
 * whose
 * reference count has been decreased to 0 (and consequently freed).
 */
public class IllegalReferenceCountException extends IllegalStateException {

    private static final long serialVersionUID = -2507492394288153468L;

    public IllegalReferenceCountException() { }

    public IllegalReferenceCountException(int refCnt) {
        this("refCnt: " + refCnt);
    }

    public IllegalReferenceCountException(int refCnt, int increment) {
        this("refCnt: " + refCnt + ", " + (increment > 0? "increment: " + increment : "decrement: " + -increment));
    }

    public IllegalReferenceCountException(String message) {
        super(message);
    }

    public IllegalReferenceCountException(String message, Throwable cause) {
        super(message, cause);
    }

    public IllegalReferenceCountException(Throwable cause) {
        super(cause);
    }
}

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```

```

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*/
package io.netty.channel;

import io.netty.util.ReferenceCountUtil;
import io.netty.util.internal.TypeParameterMatcher;

/**
 * {@link ChannelInboundHandlerAdapter} which allows to explicit only handle a specific type of messages.
 *
 * For example here is an implementation which only handle {@link String} messages.
 *
 * <pre>
 * public class StringHandler extends
 *     {@link SimpleChannelInboundHandler}&lt;{@link String}&gt; {
 *
 *     {@code @Override}
 *     protected void channelRead0({@link ChannelHandlerContext} ctx, {@link String} message)
 *         throws {@link Exception} {
 *         System.out.println(message);
 *     }
 * }
 * </pre>
 *
 * Be aware that depending of the constructor parameters it will release all handled messages.
 *
 * <h3>Forward compatibility notice</h3>
 * <p>
 * Please keep in mind that {@link #channelRead0(ChannelHandlerContext, Object)} will be renamed to
 * {@code messageReceived(ChannelHandlerContext, I)} in 5.0.
 * </p>
 */
public abstract class SimpleChannelInboundHandler<I> extends ChannelInboundHandlerAdapter {

    private final TypeParameterMatcher matcher;
    private final boolean autoRelease;

    /**
     * @see {@link #SimpleChannelInboundHandler(boolean)} with {@code true} as boolean parameter.
     */
    protected SimpleChannelInboundHandler() {
        this(true);
    }

    /**
     * Create a new instance which will try to detect the types to match out of the type parameter of the class.
     */

```

```

* @param autoRelease { @code true } if handled messages should be released automatically by pass them to
*     { @link ReferenceCountUtil#release(Object)}.
*/
protected SimpleChannelInboundHandler(boolean autoRelease) {
    matcher = TypeParameterMatcher.find(this, SimpleChannelInboundHandler.class, "I");
    this.autoRelease = autoRelease;
}

/**
* @see { @link #SimpleChannelInboundHandler(Class, boolean)} with { @code true } as boolean value.
*/
protected SimpleChannelInboundHandler(Class<? extends I> inboundMessageType) {
    this(inboundMessageType, true);
}

/**
* Create a new instance
*
* @param inboundMessageType The type of messages to match
* @param autoRelease { @code true } if handled messages should be released automatically by pass them to
*     { @link ReferenceCountUtil#release(Object)}.
*/
protected SimpleChannelInboundHandler(Class<? extends I> inboundMessageType, boolean autoRelease) {
    matcher = TypeParameterMatcher.get(inboundMessageType);
    this.autoRelease = autoRelease;
}

/**
* Returns { @code true } if the given message should be handled. If { @code false } it will be passed to the next
* { @link ChannelInboundHandler} in the { @link ChannelPipeline}.
*/
public boolean acceptInboundMessage(Object msg) throws Exception {
    return matcher.match(msg);
}

@Override
public void channelRead(ChannelHandlerContext ctx, Object msg) throws Exception {
    boolean release = true;
    try {
        if (acceptInboundMessage(msg)) {
            @SuppressWarnings("unchecked")
            I imsg = (I) msg;
            channelRead0(ctx, imsg);
        } else {
            release = false;
            ctx.fireChannelRead(msg);
        }
    } finally {

```

```

        if (autoRelease && release) {
            ReferenceCountUtil.release(msg);
        }
    }
}

/**
 * <strong>Please keep in mind that this method will be renamed to
 * {@code messageReceived(ChannelHandlerContext, I)} in 5.0.</strong>
 *
 * Is called for each message of type {@link I}.
 *
 * @param ctx      the {@link ChannelHandlerContext} which this {@link SimpleChannelInboundHandler}
 *                 belongs to
 * @param msg      the message to handle
 * @throws Exception is thrown if an error occurred
 */
protected abstract void channelRead0(ChannelHandlerContext ctx, I msg) throws Exception;
}
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 */
package io.netty.channel;

import io.netty.util.concurrent.CompleteFuture;
import io.netty.util.concurrent.EventExecutor;
import io.netty.util.concurrent.Future;
import io.netty.util.concurrent.GenericFutureListener;

/**
 * A skeletal {@link ChannelFuture} implementation which represents a
 * {@link ChannelFuture} which has been completed already.
 */
abstract class CompleteChannelFuture extends CompleteFuture<Void> implements ChannelFuture {

    private final Channel channel;

```

```

/**
 * Creates a new instance.
 *
 * @param channel the {@link Channel} associated with this future
 */
protected CompleteChannelFuture(Channel channel, EventExecutor executor) {
    super(executor);
    if (channel == null) {
        throw new NullPointerException("channel");
    }
    this.channel = channel;
}

@Override
protected EventExecutor executor() {
    EventExecutor e = super.executor();
    if (e == null) {
        return channel().eventLoop();
    } else {
        return e;
    }
}

@Override
public ChannelFuture addListener(GenericFutureListener<? extends Future<? super Void>> listener) {
    super.addListener(listener);
    return this;
}

@Override
public ChannelFuture addListeners(GenericFutureListener<? extends Future<? super Void>>... listeners) {
    super.addListeners(listeners);
    return this;
}

@Override
public ChannelFuture removeListener(GenericFutureListener<? extends Future<? super Void>> listener) {
    super.removeListener(listener);
    return this;
}

@Override
public ChannelFuture removeListeners(GenericFutureListener<? extends Future<? super Void>>... listeners) {
    super.removeListeners(listeners);
    return this;
}

```

```

@Override
public ChannelFuture syncUninterruptibly() {
    return this;
}

@Override
public ChannelFuture sync() throws InterruptedException {
    return this;
}

@Override
public ChannelFuture await() throws InterruptedException {
    return this;
}

@Override
public ChannelFuture awaitUninterruptibly() {
    return this;
}

@Override
public Channel channel() {
    return channel;
}

@Override
public Void getNow() {
    return null;
}
}
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 */
package io.netty.buffer;

import java.io.IOException;

```

```

import java.io.InputStream;
import java.io.OutputStream;
import java.nio.ByteBuffer;
import java.nio.ByteOrder;
import java.nio.channels.GatheringByteChannel;
import java.nio.channels.ScatteringByteChannel;

/**
 * A derived buffer which simply forwards all data access requests to its
 * parent. It is recommended to use { @link ByteBuffer#duplicate() } instead
 * of calling the constructor explicitly.
 */
public class DuplicatedByteBuffer extends AbstractByteBuffer {

    private final ByteBuffer buffer;

    public DuplicatedByteBuffer(ByteBuffer buffer) {
        super(buffer.maxCapacity());

        if (buffer instanceof DuplicatedByteBuffer) {
            this.buffer = ((DuplicatedByteBuffer) buffer).buffer;
        } else {
            this.buffer = buffer;
        }

        setIndex(buffer.readerIndex(), buffer.writerIndex());
    }

    @Override
    public ByteBuffer unwrap() {
        return buffer;
    }

    @Override
    public ByteBufferAllocator alloc() {
        return buffer.alloc();
    }

    @Override
    public ByteOrder order() {
        return buffer.order();
    }

    @Override
    public boolean isDirect() {
        return buffer.isDirect();
    }
}

```

```

@Override
public int capacity() {
    return buffer.capacity();
}

@Override
public ByteBuf capacity(int newCapacity) {
    buffer.capacity(newCapacity);
    return this;
}

@Override
public boolean hasArray() {
    return buffer.hasArray();
}

@Override
public byte[] array() {
    return buffer.array();
}

@Override
public int arrayOffset() {
    return buffer.arrayOffset();
}

@Override
public boolean hasMemoryAddress() {
    return buffer.hasMemoryAddress();
}

@Override
public long memoryAddress() {
    return buffer.memoryAddress();
}

@Override
public byte getByte(int index) {
    return _getByte(index);
}

@Override
protected byte _getByte(int index) {
    return buffer.getByte(index);
}

@Override

```



```

public short getShort(int index) {
    return _getShort(index);
}

@Override
protected short _getShort(int index) {
    return buffer.getShort(index);
}

@Override
public int getUnsignedMedium(int index) {
    return _getUnsignedMedium(index);
}

@Override
protected int _getUnsignedMedium(int index) {
    return buffer.getUnsignedMedium(index);
}

@Override
public int getInt(int index) {
    return _getInt(index);
}

@Override
protected int _getInt(int index) {
    return buffer.getInt(index);
}

@Override
public long getLong(int index) {
    return _getLong(index);
}

@Override
protected long _getLong(int index) {
    return buffer.getLong(index);
}

@Override
public ByteBuf copy(int index, int length) {
    return buffer.copy(index, length);
}

@Override
public ByteBuf slice(int index, int length) {
    return buffer.slice(index, length);
}

```

```
@Override
public ByteBuf getBytes(int index, ByteBuf dst, int dstIndex, int length) {
    buffer.getBytes(index, dst, dstIndex, length);
    return this;
}
```

```
@Override
public ByteBuf getBytes(int index, byte[] dst, int dstIndex, int length) {
    buffer.getBytes(index, dst, dstIndex, length);
    return this;
}
```

```
@Override
public ByteBuf getBytes(int index, ByteBuffer dst) {
    buffer.getBytes(index, dst);
    return this;
}
```

```
@Override
public ByteBuf setByte(int index, int value) {
    _setByte(index, value);
    return this;
}
```

```
@Override
protected void _setByte(int index, int value) {
    buffer.setByte(index, value);
}
```

```
@Override
public ByteBuf setShort(int index, int value) {
    _setShort(index, value);
    return this;
}
```

```
@Override
protected void _setShort(int index, int value) {
    buffer.setShort(index, value);
}
```

```
@Override
public ByteBuf setMedium(int index, int value) {
    _setMedium(index, value);
    return this;
}
```

```
@Override
```

```

protected void _setMedium(int index, int value) {
    buffer.setMedium(index, value);
}

@Override
public ByteBuf setInt(int index, int value) {
    _setInt(index, value);
    return this;
}

@Override
protected void _setInt(int index, int value) {
    buffer.setInt(index, value);
}

@Override
public ByteBuf setLong(int index, long value) {
    _setLong(index, value);
    return this;
}

@Override
protected void _setLong(int index, long value) {
    buffer.setLong(index, value);
}

@Override
public ByteBuf setBytes(int index, byte[] src, int srcIndex, int length) {
    buffer.setBytes(index, src, srcIndex, length);
    return this;
}

@Override
public ByteBuf setBytes(int index, ByteBuf src, int srcIndex, int length) {
    buffer.setBytes(index, src, srcIndex, length);
    return this;
}

@Override
public ByteBuf setBytes(int index, ByteBuffer src) {
    buffer.setBytes(index, src);
    return this;
}

@Override
public ByteBuf getBytes(int index, OutputStream out, int length)
    throws IOException {
    buffer.getBytes(index, out, length);
}

```

```

    return this;
}

@Override
public int getBytes(int index, GatheringByteChannel out, int length)
    throws IOException {
    return buffer.getBytes(index, out, length);
}

@Override
public int setBytes(int index, InputStream in, int length)
    throws IOException {
    return buffer.setBytes(index, in, length);
}

@Override
public int setBytes(int index, ScatteringByteChannel in, int length)
    throws IOException {
    return buffer.setBytes(index, in, length);
}

@Override
public int.nioBufferCount() {
    return buffer.nioBufferCount();
}

@Override
public ByteBuffer[] nioBuffers(int index, int length) {
    return buffer.nioBuffers(index, length);
}

@Override
public ByteBuffer internalNioBuffer(int index, int length) {
    return nioBuffer(index, length);
}

@Override
public int.forEachByte(int index, int length, ByteBufProcessor processor) {
    return buffer.forEachByte(index, length, processor);
}

@Override
public int.forEachByteDesc(int index, int length, ByteBufProcessor processor) {
    return buffer.forEachByteDesc(index, length, processor);
}
}
/*
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```

```

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*/

```

```
package io.netty.buffer;
```

```

import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import java.nio.ByteBuffer;
import java.nio.ByteOrder;
import java.nio.channels.GatheringByteChannel;
import java.nio.channels.ScatteringByteChannel;

```

```
/**
```

```

* A derived buffer which exposes its parent's sub-region only. It is
* recommended to use {@link ByteBuffer#slice()} and
* {@link ByteBuffer#slice(int, int)} instead of calling the constructor
* explicitly.
*/

```

```
*/
```

```
public class SlicedByteBuffer extends AbstractDerivedByteBuffer {
```

```

    private final ByteBuffer buffer;
    private final int adjustment;
    private final int length;

```

```

    public SlicedByteBuffer(ByteBuffer buffer, int index, int length) {
        super(length);
        if (index < 0 || index > buffer.capacity() - length) {
            throw new IndexOutOfBoundsException(buffer.toString() + ".slice(" + index + ", " + length + ")");
        }
    }

```

```

    if (buffer instanceof SlicedByteBuffer) {
        this.buffer = ((SlicedByteBuffer) buffer).buffer;
        adjustment = ((SlicedByteBuffer) buffer).adjustment + index;
    } else if (buffer instanceof DuplicatedByteBuffer) {
        this.buffer = buffer.unwrap();
        adjustment = index;
    }

```

```

    } else {
        this.buffer = buffer;
        adjustment = index;
    }
    this.length = length;

    writerIndex(length);
}

@Override
public ByteBuf unwrap() {
    return buffer;
}

@Override
public ByteBufAllocator alloc() {
    return buffer.alloc();
}

@Override
public ByteOrder order() {
    return buffer.order();
}

@Override
public boolean isDirect() {
    return buffer.isDirect();
}

@Override
public int capacity() {
    return length;
}

@Override
public ByteBuf capacity(int newCapacity) {
    throw new UnsupportedOperationException("sliced buffer");
}

@Override
public boolean hasArray() {
    return buffer.hasArray();
}

@Override
public byte[] array() {
    return buffer.array();
}

```

```

@Override
public int arrayOffset() {
    return buffer.arrayOffset() + adjustment;
}

@Override
public boolean hasMemoryAddress() {
    return buffer.hasMemoryAddress();
}

@Override
public long memoryAddress() {
    return buffer.memoryAddress() + adjustment;
}

@Override
protected byte _getBytes(int index) {
    return buffer.getBytes(index + adjustment);
}

@Override
protected short _getShort(int index) {
    return buffer.getShort(index + adjustment);
}

@Override
protected int _getUnsignedMedium(int index) {
    return buffer.getUnsignedMedium(index + adjustment);
}

@Override
protected int _getInt(int index) {
    return buffer.getInt(index + adjustment);
}

@Override
protected long _getLong(int index) {
    return buffer.getLong(index + adjustment);
}

@Override
public ByteBuf duplicate() {
    ByteBuf duplicate = buffer.slice(adjustment, length);
    duplicate.setIndex(readerIndex(), writerIndex());
    return duplicate;
}

```

```
@Override
public ByteBuf copy(int index, int length) {
    checkIndex(index, length);
    return buffer.copy(index + adjustment, length);
}
```

```
@Override
public ByteBuf slice(int index, int length) {
    checkIndex(index, length);
    if (length == 0) {
        return Unpooled.EMPTY_BUFFER;
    }
    return buffer.slice(index + adjustment, length);
}
```

```
@Override
public ByteBuf getBytes(int index, ByteBuf dst, int dstIndex, int length) {
    checkIndex(index, length);
    buffer.getBytes(index + adjustment, dst, dstIndex, length);
    return this;
}
```

```
@Override
public ByteBuf getBytes(int index, byte[] dst, int dstIndex, int length) {
    checkIndex(index, length);
    buffer.getBytes(index + adjustment, dst, dstIndex, length);
    return this;
}
```

```
@Override
public ByteBuf getBytes(int index, ByteBuffer dst) {
    checkIndex(index, dst.remaining());
    buffer.getBytes(index + adjustment, dst);
    return this;
}
```

```
@Override
protected void _setByte(int index, int value) {
    buffer.setByte(index + adjustment, value);
}
```

```
@Override
protected void _setShort(int index, int value) {
    buffer.setShort(index + adjustment, value);
}
```

```
@Override
protected void _setMedium(int index, int value) {
```



```

    buffer.setMedium(index + adjustment, value);
}

@Override
protected void _setInt(int index, int value) {
    buffer.setInt(index + adjustment, value);
}

@Override
protected void _setLong(int index, long value) {
    buffer.setLong(index + adjustment, value);
}

@Override
public ByteBuf setBytes(int index, byte[] src, int srcIndex, int length) {
    checkIndex(index, length);
    buffer.setBytes(index + adjustment, src, srcIndex, length);
    return this;
}

@Override
public ByteBuf setBytes(int index, ByteBuf src, int srcIndex, int length) {
    checkIndex(index, length);
    buffer.setBytes(index + adjustment, src, srcIndex, length);
    return this;
}

@Override
public ByteBuf setBytes(int index, ByteBuffer src) {
    checkIndex(index, src.remaining());
    buffer.setBytes(index + adjustment, src);
    return this;
}

@Override
public ByteBuf getBytes(int index, OutputStream out, int length) throws IOException {
    checkIndex(index, length);
    buffer.getBytes(index + adjustment, out, length);
    return this;
}

@Override
public int getBytes(int index, GatheringByteChannel out, int length) throws IOException {
    checkIndex(index, length);
    return buffer.getBytes(index + adjustment, out, length);
}

@Override

```

```

public int setBytes(int index, InputStream in, int length) throws IOException {
    checkIndex(index, length);
    return buffer.setBytes(index + adjustment, in, length);
}

@Override
public int setBytes(int index, ScatteringByteChannel in, int length) throws IOException {
    checkIndex(index, length);
    return buffer.setBytes(index + adjustment, in, length);
}

@Override
public int.nioBufferCount() {
    return buffer.nioBufferCount();
}

@Override
public ByteBuffer.nioBuffer(int index, int length) {
    checkIndex(index, length);
    return buffer.nioBuffer(index + adjustment, length);
}

@Override
public ByteBuffer[].nioBuffers(int index, int length) {
    checkIndex(index, length);
    return buffer.nioBuffers(index + adjustment, length);
}

@Override
public ByteBuffer.internalNioBuffer(int index, int length) {
    checkIndex(index, length);
    return nioBuffer(index, length);
}

@Override
public int.forEachByte(int index, int length, ByteBufProcessor processor) {
    int ret = buffer.forEachByte(index + adjustment, length, processor);
    if (ret >= adjustment) {
        return ret - adjustment;
    } else {
        return -1;
    }
}

@Override
public int.forEachByteDesc(int index, int length, ByteBufProcessor processor) {
    int ret = buffer.forEachByteDesc(index + adjustment, length, processor);
    if (ret >= adjustment) {

```

```

        return ret - adjustment;
    } else {
        return -1;
    }
}
}
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 */
package io.netty.handler.codec.marshalling;

import org.jboss.marshalling.ByteInput;

import java.io.IOException;

/**
 * {@link ByteInput} implementation which wraps another {@link ByteInput} and throws a {@link
 * TooBigObjectException}
 * if the read limit was reached.
 */
class LimitingByteInput implements ByteInput {

    // Use a static instance here to remove the overhead of fillStackTrace
    private static final TooBigObjectException EXCEPTION = new TooBigObjectException();

    private final ByteInput input;
    private final long limit;
    private long read;

    public LimitingByteInput(ByteInput input, long limit) {
        if (limit <= 0) {
            throw new IllegalArgumentException("The limit MUST be > 0");
        }
        this.input = input;
        this.limit = limit;
    }
}

```

```
@Override
public void close() throws IOException {
    // Nothing to do
}
```

```
@Override
public int available() throws IOException {
    return readable(input.available());
}
```

```
@Override
public int read() throws IOException {
    int readable = readable(1);
    if (readable > 0) {
        int b = input.read();
        read++;
        return b;
    } else {
        throw EXCEPTION;
    }
}
```

```
@Override
public int read(byte[] array) throws IOException {
    return read(array, 0, array.length);
}
```

```
@Override
public int read(byte[] array, int offset, int length) throws IOException {
    int readable = readable(length);
    if (readable > 0) {
        int i = input.read(array, offset, readable);
        read += i;
        return i;
    } else {
        throw EXCEPTION;
    }
}
```

```
@Override
public long skip(long bytes) throws IOException {
    int readable = readable((int) bytes);
    if (readable > 0) {
        long i = input.skip(readable);
        read += i;
        return i;
    } else {
```

```

        throw EXCEPTION;
    }
}

private int readable(int length) {
    return (int) Math.min(length, limit - read);
}

/**
 * Exception that will get thrown if the {@link Object} is too big to unmarshal
 *
 */
static final class TooBigObjectException extends IOException {
    private static final long serialVersionUID = 1L;
}
}
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 */

package io.netty.handler.codec.sctp;

import io.netty.buffer.ByteBuf;
import io.netty.buffer.Unpooled;
import io.netty.channel.ChannelHandlerContext;
import io.netty.channel.ChannelInboundHandler;
import io.netty.channel.sctp.SctpMessage;
import io.netty.handler.codec.MessageToMessageDecoder;

import java.util.HashMap;
import java.util.List;
import java.util.Map;

/**
 * {@link MessageToMessageDecoder} which will take care of handle fragmented {@link SctpMessage}s, so
 * only <strong>complete</strong> {@link SctpMessage}s will be forwarded to the next

```

```

* {@link ChannelInboundHandler}.
*/
public class SctpMessageCompletionHandler extends MessageToMessageDecoder<SctpMessage> {
    private final Map<Integer, ByteBuf> fragments = new HashMap<Integer, ByteBuf>();

    @Override
    protected void decode(ChannelHandlerContext ctx, SctpMessage msg, List<Object> out) throws Exception {
        final ByteBuf byteBuf = msg.content();
        final int protocolIdentifier = msg.protocolIdentifier();
        final int streamIdentifier = msg.streamIdentifier();
        final boolean isComplete = msg.isComplete();

        ByteBuf frag;
        if (fragments.containsKey(streamIdentifier)) {
            frag = fragments.remove(streamIdentifier);
        } else {
            frag = Unpooled.EMPTY_BUFFER;
        }

        if (isComplete && !frag.isReadable()) {
            //data chunk is not fragmented
            out.add(msg);
        } else if (!isComplete && frag.isReadable()) {
            //more message to complete
            fragments.put(streamIdentifier, Unpooled.wrappedBuffer(frag, byteBuf));
        } else if (isComplete && frag.isReadable()) {
            //last message to complete
            fragments.remove(streamIdentifier);
            SctpMessage assembledMsg = new SctpMessage(
                protocolIdentifier,
                streamIdentifier,
                Unpooled.wrappedBuffer(frag, byteBuf));
            out.add(assembledMsg);
        } else {
            //first incomplete message
            fragments.put(streamIdentifier, byteBuf);
        }
        byteBuf.retain();
    }
}
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```

```

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*/
package io.netty.handler.codec;

import io.netty.buffer.ByteBuf;
import io.netty.buffer.Unpooled;

/**
 * A set of commonly used delimiters for {@link DelimiterBasedFrameDecoder}.
 */
public final class Delimiters {

    /**
     * Returns a {@code NUL (0x00)} delimiter, which could be used for
     * Flash XML socket or any similar protocols.
     */
    public static ByteBuf[] nulDelimiter() {
        return new ByteBuf[] {
            Unpooled.wrappedBuffer(new byte[] { 0 }) };
    }

    /**
     * Returns {@code CR ('\r')} and {@code LF ('\n')} delimiters, which could
     * be used for text-based line protocols.
     */
    public static ByteBuf[] lineDelimiter() {
        return new ByteBuf[] {
            Unpooled.wrappedBuffer(new byte[] { '\r', '\n' }),
            Unpooled.wrappedBuffer(new byte[] { '\n' }),
        };
    }

    private Delimiters() {
        // Unused
    }
}

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*/
package io.netty.handler.codec;

import io.netty.buffer.ByteBuf;
import io.netty.channel.ChannelHandlerContext;

import java.util.List;

/**
 * A decoder that splits the received {@link ByteBuf}s by one or more
 * delimiters. It is particularly useful for decoding the frames which ends
 * with a delimiter such as {@link Delimiters#nulDelimiter() NUL} or
 * {@link Delimiters#lineDelimiter() newline characters}.
 *
 * 

### Predefined delimiters


 *
 * 

{@link Delimiters} defines frequently used delimiters for convenience' sake.


 *
 * 

### Specifying more than one delimiter


 *
 * 

{@link DelimiterBasedFrameDecoder} allows you to specify more than one
 * delimiter. If more than one delimiter is found in the buffer, it chooses
 * the delimiter which produces the shortest frame. For example, if you have
 * the following data in the buffer:



```

+-----+
| ABC\r\nDEF\r\n |
+-----+

```


 * a {@link DelimiterBasedFrameDecoder}({@link Delimiters#lineDelimiter() Delimiters.lineDelimiter()})
 * will choose {@code '\n'} as the first delimiter and produce two frames:


```

+-----+
| ABC | DEF |
+-----+

```


 * rather than incorrectly choosing {@code '\r\n'} as the first delimiter:


```

+-----+
| ABC\r\nDEF |
+-----+

```


```



```

* </pre>
*/
public class DelimiterBasedFrameDecoder extends ByteToMessageDecoder {

    private final ByteBuf[] delimiters;
    private final int maxFrameLength;
    private final boolean stripDelimiter;
    private final boolean failFast;
    private boolean discardingTooLongFrame;
    private int tooLongFrameLength;
    /** Set only when decoding with "\n" and "\r\n" as the delimiter. */
    private final LineBasedFrameDecoder lineBasedDecoder;

    /**
     * Creates a new instance.
     *
     * @param maxFrameLength the maximum length of the decoded frame.
     *                        A {@link TooLongFrameException} is thrown if
     *                        the length of the frame exceeds this value.
     * @param delimiter the delimiter
     */
    public DelimiterBasedFrameDecoder(int maxFrameLength, ByteBuf delimiter) {
        this(maxFrameLength, true, delimiter);
    }

    /**
     * Creates a new instance.
     *
     * @param maxFrameLength the maximum length of the decoded frame.
     *                        A {@link TooLongFrameException} is thrown if
     *                        the length of the frame exceeds this value.
     * @param stripDelimiter whether the decoded frame should strip out the
     *                        delimiter or not
     * @param delimiter the delimiter
     */
    public DelimiterBasedFrameDecoder(
        int maxFrameLength, boolean stripDelimiter, ByteBuf delimiter) {
        this(maxFrameLength, stripDelimiter, true, delimiter);
    }

    /**
     * Creates a new instance.
     *
     * @param maxFrameLength the maximum length of the decoded frame.
     *                        A {@link TooLongFrameException} is thrown if
     *                        the length of the frame exceeds this value.
     * @param stripDelimiter whether the decoded frame should strip out the
     *                        delimiter or not

```

```

* @param failFast If <tt>true</tt>, a { @link TooLongFrameException } is
*     thrown as soon as the decoder notices the length of the
*     frame will exceed <tt>maxFrameLength</tt> regardless of
*     whether the entire frame has been read.
*     If <tt>>false</tt>, a { @link TooLongFrameException } is
*     thrown after the entire frame that exceeds
*     <tt>maxFrameLength</tt> has been read.
* @param delimiter the delimiter
*/
public DelimiterBasedFrameDecoder(
    int maxFrameLength, boolean stripDelimiter, boolean failFast,
    ByteBuf delimiter) {
    this(maxFrameLength, stripDelimiter, failFast, new ByteBuf[] {
        delimiter.slice(delimiter.readerIndex(), delimiter.readableBytes())});
}

/**
 * Creates a new instance.
 *
 * @param maxFrameLength the maximum length of the decoded frame.
 *     A { @link TooLongFrameException } is thrown if
 *     the length of the frame exceeds this value.
 * @param delimiters the delimiters
 */
public DelimiterBasedFrameDecoder(int maxFrameLength, ByteBuf... delimiters) {
    this(maxFrameLength, true, delimiters);
}

/**
 * Creates a new instance.
 *
 * @param maxFrameLength the maximum length of the decoded frame.
 *     A { @link TooLongFrameException } is thrown if
 *     the length of the frame exceeds this value.
 * @param stripDelimiter whether the decoded frame should strip out the
 *     delimiter or not
 * @param delimiters the delimiters
 */
public DelimiterBasedFrameDecoder(
    int maxFrameLength, boolean stripDelimiter, ByteBuf... delimiters) {
    this(maxFrameLength, stripDelimiter, true, delimiters);
}

/**
 * Creates a new instance.
 *
 * @param maxFrameLength the maximum length of the decoded frame.
 *     A { @link TooLongFrameException } is thrown if

```

```

*         the length of the frame exceeds this value.
* @param stripDelimiter whether the decoded frame should strip out the
*         delimiter or not
* @param failFast If <tt>true</tt>, a { @link TooLongFrameException } is
*         thrown as soon as the decoder notices the length of the
*         frame will exceed <tt>maxFrameLength</tt> regardless of
*         whether the entire frame has been read.
*         If <tt>>false</tt>, a { @link TooLongFrameException } is
*         thrown after the entire frame that exceeds
*         <tt>maxFrameLength</tt> has been read.
* @param delimiters the delimiters
*/
public DelimiterBasedFrameDecoder(
    int maxFrameLength, boolean stripDelimiter, boolean failFast, ByteBuf... delimiters) {
    validateMaxFrameLength(maxFrameLength);
    if (delimiters == null) {
        throw new NullPointerException("delimiters");
    }
    if (delimiters.length == 0) {
        throw new IllegalArgumentException("empty delimiters");
    }

    if (isLineBased(delimiters) && !isSubclass()) {
        lineBasedDecoder = new LineBasedFrameDecoder(maxFrameLength, stripDelimiter, failFast);
        this.delimiters = null;
    } else {
        this.delimiters = new ByteBuf[delimiters.length];
        for (int i = 0; i < delimiters.length; i++) {
            ByteBuf d = delimiters[i];
            validateDelimiter(d);
            this.delimiters[i] = d.slice(d.readerIndex(), d.readableBytes());
        }
        lineBasedDecoder = null;
    }
    this.maxFrameLength = maxFrameLength;
    this.stripDelimiter = stripDelimiter;
    this.failFast = failFast;
}

/** Returns true if the delimiters are "\n" and "\r\n". */
private static boolean isLineBased(final ByteBuf[] delimiters) {
    if (delimiters.length != 2) {
        return false;
    }
    ByteBuf a = delimiters[0];
    ByteBuf b = delimiters[1];
    if (a.capacity() < b.capacity()) {
        a = delimiters[1];
    }
}

```

```

        b = delimiters[0];
    }
    return a.capacity() == 2 && b.capacity() == 1
        && a.getBytes(0) == 'r' && a.getBytes(1) == 'n'
        && b.getBytes(0) == 'n';
}

/**
 * Return {@code true} if the current instance is a subclass of DelimiterBasedFrameDecoder
 */
private boolean isSubclass() {
    return getClass() != DelimiterBasedFrameDecoder.class;
}

@Override
protected final void decode(ChannelHandlerContext ctx, ByteBuf in, List<Object> out) throws Exception {
    Object decoded = decode(ctx, in);
    if (decoded != null) {
        out.add(decoded);
    }
}

/**
 * Create a frame out of the {@link ByteBuf} and return it.
 *
 * @param ctx the {@link ChannelHandlerContext} which this {@link ByteToMessageDecoder}
belongs to
 * @param buffer the {@link ByteBuf} from which to read data
 * @return frame the {@link ByteBuf} which represent the frame or {@code null} if no frame could
 * be created.
 */
protected Object decode(ChannelHandlerContext ctx, ByteBuf buffer) throws Exception {
    if (lineBasedDecoder != null) {
        return lineBasedDecoder.decode(ctx, buffer);
    }
    // Try all delimiters and choose the delimiter which yields the shortest frame.
    int minFrameLength = Integer.MAX_VALUE;
    ByteBuf minDelim = null;
    for (ByteBuf delim: delimiters) {
        int frameLength = indexOf(buffer, delim);
        if (frameLength >= 0 && frameLength < minFrameLength) {
            minFrameLength = frameLength;
            minDelim = delim;
        }
    }
}

if (minDelim != null) {
    int minDelimLength = minDelim.capacity();
}

```

ByteBuffer frame;

```
if (discardingTooLongFrame) {
    // We've just finished discarding a very large frame.
    // Go back to the initial state.
    discardingTooLongFrame = false;
    buffer.skipBytes(minFrameLength + minDelimLength);

    int tooLongFrameLength = this.tooLongFrameLength;
    this.tooLongFrameLength = 0;
    if (!failFast) {
        fail(ctx, tooLongFrameLength);
    }
    return null;
}

if (minFrameLength > maxFrameLength) {
    // Discard read frame.
    buffer.skipBytes(minFrameLength + minDelimLength);
    fail(ctx, minFrameLength);
    return null;
}

if (stripDelimiter) {
    frame = buffer.readBytes(minFrameLength);
    buffer.skipBytes(minDelimLength);
} else {
    frame = buffer.readBytes(minFrameLength + minDelimLength);
}

return frame;
} else {
    if (!discardingTooLongFrame) {
        if (buffer.readableBytes() > maxFrameLength) {
            // Discard the content of the buffer until a delimiter is found.
            tooLongFrameLength = buffer.readableBytes();
            buffer.skipBytes(buffer.readableBytes());
            discardingTooLongFrame = true;
            if (failFast) {
                fail(ctx, tooLongFrameLength);
            }
        }
    } else {
        // Still discarding the buffer since a delimiter is not found.
        tooLongFrameLength += buffer.readableBytes();
        buffer.skipBytes(buffer.readableBytes());
    }
    return null;
}
```

```

    }
}

private void fail(ChannelHandlerContext ctx, long frameLength) {
    if (frameLength > 0) {
        ctx.fireExceptionCaught(
            new TooLongFrameException(
                "frame length exceeds " + maxFrameLength +
                ": " + frameLength + " - discarded"));
    } else {
        ctx.fireExceptionCaught(
            new TooLongFrameException(
                "frame length exceeds " + maxFrameLength +
                " - discarding"));
    }
}

/**
 * Returns the number of bytes between the readerIndex of the haystack and
 * the first needle found in the haystack. -1 is returned if no needle is
 * found in the haystack.
 */
private static int indexOf(ByteBuf haystack, ByteBuf needle) {
    for (int i = haystack.readerIndex(); i < haystack.writerIndex(); i++) {
        int haystackIndex = i;
        int needleIndex;
        for (needleIndex = 0; needleIndex < needle.capacity(); needleIndex++) {
            if (haystack.getByte(haystackIndex) != needle.getByte(needleIndex)) {
                break;
            } else {
                haystackIndex++;
                if (haystackIndex == haystack.writerIndex() &&
                    needleIndex != needle.capacity() - 1) {
                    return -1;
                }
            }
        }
    }

    if (needleIndex == needle.capacity()) {
        // Found the needle from the haystack!
        return i - haystack.readerIndex();
    }
}

return -1;
}

private static void validateDelimiter(ByteBuf delimiter) {
    if (delimiter == null) {

```

```

        throw new NullPointerException("delimiter");
    }
    if (!delimiter.isReadable()) {
        throw new IllegalArgumentException("empty delimiter");
    }
}

private static void validateMaxFrameLength(int maxFrameLength) {
    if (maxFrameLength <= 0) {
        throw new IllegalArgumentException(
            "maxFrameLength must be a positive integer: " +
            maxFrameLength);
    }
}
}
}
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 * under the License.
 */
package io.netty.handler.ssl;

/**
 * Event that is fired once the SSL handshake is complete, which may be because it was successful or there
 * was an error.
 */
public final class SslHandshakeCompletionEvent {

    public static final SslHandshakeCompletionEvent SUCCESS = new SslHandshakeCompletionEvent();

    private final Throwable cause;

    /**
     * Creates a new event that indicates a successful handshake.
     */
    private SslHandshakeCompletionEvent() {
        cause = null;
    }
}

```

```

    }

    /**
     * Creates a new event that indicates an unsuccessful handshake.
     * Use { @link #SUCCESS } to indicate a successful handshake.
     */
    public SslHandshakeCompletionEvent(Throwable cause) {
        if (cause == null) {
            throw new NullPointerException("cause");
        }
        this.cause = cause;
    }

    /**
     * Return { @code true } if the handshake was successful
     */
    public boolean isSuccess() {
        return cause == null;
    }

    /**
     * Return the { @link Throwable } if { @link #isSuccess() } returns { @code false }
     * and so the handshake failed.
     */
    public Throwable cause() {
        return cause;
    }
}

```

1.828 ng-annotate 0.15.4

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1.829 node-pre-gyp 0.6.19

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1.830 node-uuid 1.4.7

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1.831 node.extend 1.1.5

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1.832 nopt 3.0.6

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1.833 normalize-package-data 2.3.5

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1.834 normalize-path 2.0.1

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1.835 npmlog 2.0.0

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1.836 nss-pem 1.0.3 :4.e17

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
4. [4]Viraj Bais <vbais@mailman1.intel.com> and [5]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver

14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
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32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
35. [38]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG
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41. [44]Derek Mulcahy <derek@toybox.demon.co.uk> and [45]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
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monitoring/trap scripts, statistics file handling
 44. [48]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
 45. [49]Wilfredo Sánchez <wsanchez@apple.com> added support for
NetInfo
 46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
 47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
space on the stuff in the html/pic/ subdirectory
 48. [52]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
 49. [53]Michael Shields <shields@tembel.org> USNO clock driver
 50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock
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 51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
makeover, various other bits (see the ChangeLog)
 52. [56]Kenneth Stone <ken@sdd.hp.com> HP-UX port
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3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
4. [4]Viraj Bais <vbais@mailman1.intel.com> and [5]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference

- clock driver, NT adj. residuals, integrated Greg's Winnt port.
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 17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
 18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
 19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
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 24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
 25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
 26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpswEEP
 27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
 28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
 29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
 30. [33]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
 31. [34]Craig Leres <leres@ee.lbl.gov> 4.BSD port, ppsclock, Magnavox GPS clock driver
 32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
 33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
 34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
 35. [38]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
 36. [39]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG
 37. [40]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
 38. [41]Jeffrey Mogul <mogul@pa.dec.com> ntprtrace utility
 39. [42]Tom Moore <tmoore@fieval.daytonoh.ncr.com> i386 svr4 port
 40. [43]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
 41. [44]Derek Mulcahy <derek@toybox.demon.co.uk> and [45]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
 42. [46]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
 43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
 44. [48]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port

45. [49]Wilfredo Sánchez <wsanchez@apple.com> added support for NetInfo
 46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
 47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
 48. [52]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
 49. [53]Michael Shields <shields@tembel.org> USNO clock driver
 50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
 51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
 52. [56]Kenneth Stone <ken@sdd.hp.com> HP-UX port
 53. [57]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
 54. [58]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
 55. [59]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
 56. [60]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
-

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1.848 object.omit 2.0.0

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1.851 oci-systemd-hook 0.1.15

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1.870 orchestrator 0.3.7

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1.875 org.json-chargebee 1.0

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1.881 osinfo-db-tools 1.1.0 :1.e17

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1.883 pam 1.1.1 :13.el6

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1.884 pam_GPLv2 1.1.1 :13.el6

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1.885 pango 1.28.1 :10.e16

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1.900 path-is-inside 1.0.1

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1.903 pause-stream 0.0.11

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1.904 pax 3.4 :10.1.el6

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1.905 perl 5.10.1 :136.el6

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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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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any later version.
```

```
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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!

1.906 perl-Class-Inspector 1.28 :2.el7

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1.907 perl-SOAP-Lite 0.715

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Version 2.1, February 1999

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in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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charset=UTF-8

vim600: encoding=UTF-8

"streamable kanji code filter and converter"

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◆履歴◆

1998/11/10 sgk implementation in C++

1999/4/25 sgk Cで書きなおし。

1999/4/26 sgk

入力フィルタを実装。漢字コードを推定しながらフ

ィルタを追加。

1999/6/?? Unicodeサポート。

1999/6/22 sgk

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,
Cambridge, England.

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1.918 Play-framework-2.3.8 2.3.8

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1.919 play_twirl-api_2.11 1.0.2

1.920 polycoreutils 2.0.83 :19.30.el6

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object

file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.931 procps/procps-libs 3.2.8 :25.el6

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

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

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1.932 proxy-addr 1.0.10

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1.933 proxy-middleware 0.5.1

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1.935 pulseaudio 0.9.21 :14.e16_3

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-- Lennart Poettering, April 20th, 2006.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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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 normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.938 pyrad 2.0 :May 15, 2011

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1.939 python 2.6.6 :52.el6

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

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

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes

2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
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1.940 python-argparse 1.2.1-2.1.el6

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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

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1.941 python-boto 2.25.0 :2.el6

1.941.1 Available under license :

From RPM File Metadata:MIT

1.942 python-cheetah 2.4.1 :1.el6

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1.943 python-configobj 4.6.0 :3.el6

1.943.1 Available under license :

```
# setup.py
# Install script for ConfigObj
# Copyright (C) 2005-2009 Michael Foord, Mark Andrews, Nicola Larosa
# E-mail: fuzzyman AT voidspace DOT org DOT uk
#     mark AT la-la DOT com
#     nico AT tekNico DOT net
```

```
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1.944 python-crypto 2.6.1 :15.e17

1.944.1 Available under license :

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~~~~~

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Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author's website came with a license that contained a GPL-incompatible advertising clause.)

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Last updated: 2009-02-28

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(c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.

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In addition, the code's author must not be a national, citizen, or resident of the United States of America.

In addition, the code must not be of U.S. origin.

In addition, all new code contributed to PyCrypto must be dedicated to the public domain as follows:

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00INDEX - This file  
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copy/ - Copyright info & public-domain dedications  
From dlitz@dlitz.net Sat Apr 18 09:14:20 2009  
Date: Sat, 18 Apr 2009 09:14:20 -0400  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: Mark Moraes <moraes@computer.org>  
Subject: PyCrypto license clarification  
Message-ID: <20090418131419.GA14494@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2635

Hi Mark,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them.

The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
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```

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--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
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=====
```

Regards,  
- Dwayne

--  
Dwayne C. Litzemberger <dlitz@dlitz.net>  
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009  
X-Maildir-Dup-Checked: Yes

Return-Path: <markmoraes@yahoo.com>  
X-Original-To: dwon@rivest.dlitz.net  
Delivered-To: dwon@rivest.dlitz.net  
Received: from goedel.dlitz.net (unknown [10.159.255.6])  
by rivest.dlitz.net (Postfix) with ESMTP id 5D9AE984FDD  
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)  
Received: from localhost (localhost [127.0.0.1])  
by goedel.dlitz.net (Postfix) with QMQP id DE41F4025F  
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)  
Received: (vmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600  
Delivered-To: m-dlitz-dlitz@dlitz.net  
Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;  
envelope-from="markmoraes@yahoo.com"; helo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198  
Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])  
by goedel.dlitz.net (Postfix) with SMTP id B5EAF401EE  
for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)  
Received: (qmail 34697 invoked by uid 60001); 20 Apr 2009 23:25:33 -0000  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=yahoo.com; s=s1024; t=1240269933;  
bh=OvxqbYnCg7R6tUN3YmlgFURM3CuHh1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-  
Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;  
b=F2h2bFzpQxyKFZ8BhenniyupGw4Zvlekb9BSk91qKU+51W/TkSGBij5YZIhkLQdkQk0qLz5f4g8dT6bOME3s  
EY1j10hlx0K0u2UD0yoYTINBCmsdMQRoJ7ph9bmt+p/EJhRpe+FiV6aoLV0FONWiHfGDghPT1dulWXfVTqgB  
2aU=  
DomainKey-Signature:a=rsa-sha1; q=dns; c=noaws;  
s=s1024; d=yahoo.com;  
h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;  
b=r6RShFF5VzQLg+9tcn1xKuo4Rs4IVvXF6fdqOpQrMyRCxeFoebhuTE35grGqlomOJLwM0+mZwRb6rGkDj7  
63caOAl08Ect/qlADW5izXfmVQaDchTbTqmpsJBmQnTQs9iZ+InrG+3UIwtUSGfX7fhEWmI9P/HBzxf9Wp4b3j  
eo=;  
Message-ID: <551071.34569.qm@web32405.mail.mud.yahoo.com>  
X-YMail-OSG:  
FrK8aWMVM1mFJtLpMGbUbCLjbUQC.i.JkIAKUHSFsFn7t9PbtewAewXJ2uhZGCOIGCX6oVnG3u.CgqzAffY  
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Hzf7Zbpa8P1Yoe\_xSzf3OAgRSh5fCrbFCC8sHPCuwrL3YhasbtHmkWffteSS.x6gEcBaxf03oz4FeDb5mpJ54g11X  
onq8h\_TmzX9g84Bin9g\_3fJ4WSXm6g6.tohLyfXcUxoz4j036wyWpTKPrWEzIUQaN83Sv\_bj\_Ghxw--  
Received: from [69.124.140.74] by web32405.mail.mud.yahoo.com via HTTP; Mon, 20 Apr 2009 16:25:32 PDT  
X-Mailer: YahooMailClassic/5.2.15 YahooMailWebService/0.7.289.1  
Date: Mon, 20 Apr 2009 16:25:32 -0700 (PDT)  
From: M Moraes <markmoraes@yahoo.com>  
Reply-To: moraes@computer.org  
Subject: Re: PyCrypto license clarification  
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Status: RO  
X-Status: A  
Content-Length: 3222

Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

Regards,  
Mark.

--- On Sat, 4/18/09, Dwayne C. Litzenger <dlitz@dlitz.net> wrote:

> From: Dwayne C. Litzenger <dlitz@dlitz.net>  
> Subject: PyCrypto license clarification  
> To: "Mark Moraes" <moraes@computer.org>  
> Date: Saturday, April 18, 2009, 9:14 AM  
> Hi Mark,  
>  
> I am the new maintainer of the Python Cryptography Toolkit,  
> and I am  
> working on a new release at <http://www.pycrypto.org/>.  
>  
> People often ask me what license PyCrypto is covered by, if  
> it's  
> GPL-compatible, etc. Right now, I'm not really sure  
> what to tell them.  
> The text in the current LICENSE file (quoted below) is not  
> entirely clear  
> on the point of whether distributing modified versions is  
> allowed. (It  
> says "distribute and use", but not "modify".)

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>  
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> M. Kuchling, Robey  
> Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they  
> have all  
> approved the following dedication for their contributions.  
>  
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> behalf, dedicate to the public domain all your  
> contributions to PyCrypto,  
> with the following notice?  
>  
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> The contents of this file are  
> dedicated to the public domain. To the  
> extent that dedication to the public  
> domain is not available, everyone  
> is granted a worldwide, perpetual,  
> royalty-free, non-exclusive license  
> to exercise all rights associated with  
> the contents of this file for  
> any purpose whatsoever. No  
> rights are reserved.  
>  
> =====  
>  
> Regards,  
> - Dwayne

>  
> -- Dwayne C. Litzenberger <dlitz@dlitz.net>  
> Key-signing key - 19E1  
> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
>

From dlitz@dlitz.net Mon Apr 20 20:01:37 2009  
Date: Mon, 20 Apr 2009 20:01:37 -0400  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: moraes@computer.org  
Subject: Re: PyCrypto license clarification  
Message-ID: <20090421000137.GA29012@rivest.dlitz.net>  
References: <551071.34569.qm@web32405.mail.mud.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
In-Reply-To: <551071.34569.qm@web32405.mail.mud.yahoo.com>  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 3677

Thanks a lot, and don't worry about not responding to previous emails. I do that too much myself. :)

On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:

>  
>Hi Dwayne.  
>  
>Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.  
>  
>Regards,  
>Mark.  
>  
>--- On Sat, 4/18/09, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote:  
>  
>> From: Dwayne C. Litzenberger <dlitz@dlitz.net>  
>> Subject: PyCrypto license clarification  
>> To: "Mark Moraes" <moraes@computer.org>

>> Date: Saturday, April 18, 2009, 9:14 AM  
>> Hi Mark,  
>>  
>> I am the new maintainer of the Python Cryptography Toolkit,  
>> and I am  
>> working on a new release at <http://www.pycrypto.org/>.  
>>  
>> People often ask me what license PyCrypto is covered by, if  
>> it's  
>> GPL-compatible, etc. Right now, I'm not really sure  
>> what to tell them.  
>> The text in the current LICENSE file (quoted below) is not  
>> entirely clear  
>> on the point of whether distributing modified versions is  
>> allowed. (It  
>> says "distribute and use", but not "modify".)  
>>  
>>  
>> =====  
>>     Distribute and use freely; there are  
>> no restrictions on further  
>>     dissemination and usage except those  
>> imposed by the laws of your  
>>     country of residence. This  
>> software is provided "as is" without  
>>     warranty of fitness for use or  
>> suitability for any purpose, express  
>>     or implied. Use at your own risk or  
>> not at all.  
>>  
>> =====  
>>  
>>     Incorporating the code into commercial  
>> products is permitted; you do  
>>     not have to make source available or  
>> contribute your changes back  
>>     (though that would be nice).  
>>  
>>     --amk  
>>  
>>  
>>     ([www.amk.ca](http://www.amk.ca))  
>>  
>> For the next PyCrypto release, I would like to take steps  
>> to move toward a  
>> clearer licensing regime. I am asking as many  
>> copyright holders as I can  
>> find if I can release PyCrypto under something clearer and

>> more standard.  
>> Below, I have quoted a public domain dedication that was  
>> recommended in  
>> \_Intellectual Property and Open Source: A Practical Guide  
>> to Protecting  
>> Code\_, by Van Lindberg. I have already contacted A.  
>> M. Kuchling, Robey  
>> Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they  
>> have all  
>> approved the following dedication for their contributions.  
>>  
>> I understand that you have made contributions to  
>> PyCrypto. May I, on your  
>> behalf, dedicate to the public domain all your  
>> contributions to PyCrypto,  
>> with the following notice?  
>>  
>>  
>> =====  
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>> royalty-free, non-exclusive license  
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>> any purpose whatsoever. No  
>> rights are reserved.  
>>  
>> =====  
>>  
>> Regards,  
>> - Dwayne  
>>  
>> -- Dwayne C. Litzenger <dlitz@dlitz.net>  
>> Key-signing key - 19E1  
>> 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
>>  
>  
  
--  
Dwayne C. Litzenger <dlitz@dlitz.net>  
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7  
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45  
From dlitz@dlitz.net Sat Feb 28 23:24:14 2009  
Date: Sat, 28 Feb 2009 23:24:14 -0500  
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>



To: Jeethu Rao <jeethurao@gmail.com>  
Subject: PyCrypto license clarification  
Message-ID: <20090301042414.GA15122@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2513

Hi Jeethu,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

=====  
Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.  
=====

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, and Wim Lewis, and they have all approved the following text for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

=====  
The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.  
=====

Regards,  
- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <jeethurao@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 17:28:16 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB

for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 15:28:15 -0600 (CST)

Received: (vmmailmgr-postfix 5011 invoked by uid 1003); 8 Mar 2009 15:28:15 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... \_spf.google.com: 209.85.198.249 is authorized to use 'jeethurao@gmail.com' in 'mfrom' identity (mechanism 'ip4:209.85.128.0/17' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="jeethurao@gmail.com"; helo=rv-out-0708.google.com; client-ip=209.85.198.249

Received: from rv-out-0708.google.com (unknown [209.85.198.249])

by goedel.dlitz.net (Postfix) with ESMTP id 3C097449E7

for <dlitz@dlitz.net>; Sun, 8 Mar 2009 15:28:12 -0600 (CST)

Received: by rv-out-0708.google.com with SMTP id k29so1252333rvb.26

for <dlitz@dlitz.net>; Sun, 08 Mar 2009 14:27:56 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:date:message-id:subject:from:to:content-type;

bh=YWY9U32WCU/ksRqukHwaOZyJQBUs4Yvt5mI20U6mI/g=;

b=oMjI22IIXYiJKge2zNjW3rRiUi9LqFXmey5Wp0pLItuNF+X3duyfhopTuBAKw7MwVY

B5E6VQuGVEyzBbNscyVgq6DhQiQtouCLZymSViobmuDmKn5DtUKoxpDk0xCxQmHYaas

L9/A6D3/J66kKrNBgX9mc0GPcZTviVFYkPR0Q=

DomainKey-Signature: a=rsa-sha1; c=noFWS;

d=gmail.com; s=gamma;

h=mime-version:in-reply-to:references:date:message-id:subject:from:to

:content-type;

b=Ym7CStuDEfJKay1AJyWZkZmJA1lnTcwCG6akBHAXLld8ht6PFcmlsffzZG8hJCIVJ8  
vIjqcT+G6cywVTBw1pyGX7ECYzr0+vhGvgdpACGrS24zikHfpSSd5GFogzXaLVvGVH8p  
bqSHpfWKKtEP4gAQkiNeIq1GNtR2j8U3fnRyg=

MIME-Version: 1.0

Received: by 10.141.176.13 with SMTP id d13mr2656028rvp.231.1236547674677;

Sun, 08 Mar 2009 14:27:54 -0700 (PDT)

In-Reply-To: <20090301042414.GA15122@rivest.dlitz.net>

References: <20090301042414.GA15122@rivest.dlitz.net>

Date: Mon, 9 Mar 2009 02:57:54 +0530

Message-ID: <e3c0ddba0903081427p3a7b1058g417dd8624df68d6d@mail.gmail.com>

Subject: Re: PyCrypto license clarification

From: Jeethu Rao <jeethurao@gmail.com>

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Content-Type: multipart/alternative; boundary=000e0cd209d0e5a3d40464a23054

Status: RO

Content-Length: 7668

--000e0cd209d0e5a3d40464a23054

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi Dwayne, My contribution to pycrypto are very very minimal (The sha256 module, IIRC).

I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response.

I don't really check this email address all that often,

please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenger <dlitz@dlitz.net> wrote:

> Hi Jeethu,

>

> I am the new maintainer of the Python Cryptography Toolkit, and I am

> working on a new release at <http://www.pycrypto.org/>.

>

> People often ask me what license PyCrypto is covered by, if it's

> GPL-compatible, etc. Right now, I'm not really sure what to tell them. The

> text in the current LICENSE file (quoted below) is not entirely clear on the

> point of whether distributing modified versions is allowed. (It says

> "distribute and use", but not "modify".)

>

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> dissemination and usage except those imposed by the laws of your

> country of residence. This software is provided "as is" without

> warranty of fitness for use or suitability for any purpose, express

> or implied. Use at your own risk or not at all.

> =====

>

> Incorporating the code into commercial products is permitted; you do  
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>

> --amk (www.amk.ca)

>

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> any purpose whatsoever. No rights are reserved.

> =====

>

> Regards,  
> - Dwayne

>

> --

> Dwayne C. Litzengerger <dlitz@dlitz.net>

> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

>

--

Jeethu Rao

--000e0cd209d0e5a3d40464a23054

Content-Type: text/html; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

Hi Dwayne,<div>My contribution to pycrypto are very very minimal (The sha25=

6 module, IIRC).

I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response.

I don't really check this email address all that often, please direct any further correspondence to [jeethu@jeethu-rao.com](mailto:jeethu@jeethu-rao.com)

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenger <[dlitz@dlitz.net](mailto:dlitz@dlitz.net)> wrote:

Hi Jeethu,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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--amk <http://www.amk.ca>

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Regards,

- Dwayne

--

Dwayne C. Litzenger <<a href="mailto:dlitz@dlitz.net" target="\_blank">dlitz@dlitz.net</a>>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 A04A24 928C EC1= 3 39C2 5CF7

--000e0cd209d0e5a3d40464a23054--

Date: Sun, 23 Nov 2008 15:54:35 -0800

From: Wim Lewis <wiml@hxxx.org>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Cc: Wim Lewis <wiml@hxxx.org>

Message-Id: <9D5C3135-7414-47D7-9D41-0AC6C3A84D97@hxxx.org>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On November 23, 2008, you wrote:

>Hi Wim,

>

>I am the new maintainer of the Python Cryptography Toolkit, and I am

>working on a new release at <http://www.pycrypto.org/>.

>

>I understand that you have made contributions to PyCrypto. May I, on  
>your behalf, dedicate to the public domain all your contributions to  
>PyCrypto, with the following notice?

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> =====  
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> to exercise all rights associated with the contents of this file for  
> any purpose whatsoever. No rights are reserved.  
> =====

Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128 implementation, which already has a public-domain notice at the top of the file. But I am happy to have that, any any other code of mine that might have wandered in there under an unclear open sourcish license, distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.6 (Darwin)

iQCVAwUBSSnnA18UnN8n93LBAQLp/gQAhr7x8Av1mstc2kxEJDWTm26PTAZxMz4B  
FektbDOzkxgc5580MGGeX/MVn8aw+1BHg0YD85gsntlDzkcQtb+BR/xAvJ5zKyA  
J/Mn/I+I6ekJQ3juh8IPHLAduOXM9Rtguas/yR+Doaq0xOPKobx+/5+t1lJtBcZ  
wrPEa9Oui9s=  
=zSY9

-----END PGP SIGNATURE-----

From dlitz@dlitz.net Sat Feb 28 21:45:09 2009

Date: Sat, 28 Feb 2009 21:45:09 -0500

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

To: Barry A Warsaw <barry@python.org>

Subject: PyCrypto license clarification

Message-ID: <20090301024509.GA13195@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2535

Hi Barry,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
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country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
or implied. Use at your own risk or not at all.
=====
```

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, and Wim Lewis, and they have all approved the following dedication for their contributions.

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```
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extent that dedication to the public domain is not available, everyone
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to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,  
- Dwayne

--  
Dwayne C. Litzberger <dlitz@dlitz.net>  
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7



From barry@python.org Mon Mar 2 11:29:39 2009  
X-Maildir-Dup-Checked: Yes  
Return-Path: <barry@python.org>  
X-Original-To: dwon@rivest.dlitz.net  
Delivered-To: dwon@rivest.dlitz.net  
Received: from goedel.dlitz.net (unknown [10.159.255.6])  
by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B  
for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)  
Received: from localhost (localhost [127.0.0.1])  
by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A  
for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)  
Received: (vmmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009 10:29:39 -0600  
Delivered-To: m-dlitz-dlitz@dlitz.net  
Received-SPF: none (python.org: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;  
envelope-from="barry@python.org"; helo=mail.wooz.org; client-ip=216.15.33.230  
Received: from mail.wooz.org (216-15-33-230.c3-0.slv-ubr2.lnh-slv.md.static.cable.rcn.com [216.15.33.230])  
by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073  
for <dlitz@dlitz.net>; Mon, 2 Mar 2009 10:29:38 -0600 (CST)  
Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])  
by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F  
for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)  
Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>  
From: Barry Warsaw <barry@python.org>  
To: Dwayne C. Litzenberger <dlitz@dlitz.net>  
In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>  
Content-Type: text/plain; charset=US-ASCII; format=flowed; delpsp=yes  
Content-Transfer-Encoding: quoted-printable  
Mime-Version: 1.0 (Apple Message framework v930.3)  
Subject: Re: PyCrypto license clarification  
Date: Mon, 2 Mar 2009 11:29:34 -0500  
References: <20090301024509.GA13195@rivest.dlitz.net>  
X-Pgp-Agent: GPGMail d55 (v55, Leopard)  
X-Mailer: Apple Mail (2.930.3)  
Status: RO  
Content-Length: 869

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenberger wrote:

> I am the new maintainer of the Python Cryptography Toolkit, and I am =20=

> working on a new release at <http://www.pycrypto.org/>.

Great! I'm glad to see someone taking up the mantle of this important =20=

Python library.

> I understand that you have made contributions to PyCrypto. May I, =20  
> on your behalf, dedicate to the public domain all your contributions =20=

> to PyCrypto, with the following notice?

Absolutely yes.

Cheers,  
Barry

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.9 (Darwin)

iQCVAwUBSawJbnEjvBPtnXfVAQLZjgP/ecG+JdZwNvPJRfsa6rhY6+MHLdHI6agk  
evkJnSJQAcVHIznVIVeR5IXgvDUMakZjU4SOV7MqkhsKA9Ilet7PaD9VSYgn3ra5  
gElwI2DQDoOy5GExXMm74gqrrb1PCCbCRmpaYNo+DZohwHkeFBjwDRA3wItOrH7  
SK4w9VBJtfY=3D

=3DQduY

-----END PGP SIGNATURE-----

Date: Mon, 16 Feb 2009 12:58:00 -0800

From: Robey Pointer <robey@lag.net>

Subject: Re: PyCrypto license clarification

To: "Dwayne C. Litzenger" <dlitz@dlitz.net>

Received-SPF: pass (goedel.dlitz.net: domain of robey@lag.net designates 69.61.78.186 as permitted sender)

Message-Id: <F469A078-6305-4484-BEA8-F4EC38A4154F@lag.net>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

On 23 Nov 2008, at 07:42, Dwayne C. Litzenger wrote:

> For the next PyCrypto release, I would like to take steps to move  
> toward a clearer licensing regime. I am asking as many copyright  
> holders as I can find if I can release PyCrypto under something  
> clearer and more standard. Below, I have quoted a public domain  
> dedication that was recommended in Intellectual Property and Open  
> Source: A Practical Guide to Protecting Code, by Van Lindberg. I  
> have already contacted A. M. Kuchling, and he has approved the  
> following dedication for his contributions.

>

> May I, on your behalf, dedicate to the public domain all your  
> contributions to PyCrypto, with the following notice?

>

>

> =

> =====

> The contents of this file are dedicated to the public domain. To  
> the  
> extent that dedication to the public domain is not available,  
> everyone  
> is granted a worldwide, perpetual, royalty-free, non-exclusive  
> license  
> to exercise all rights associated with the contents of this file  
> for  
> any purpose whatsoever. No rights are reserved.  
>  
> =  
> =====  
>

In case I haven't replied to this yet: Yes, this is fine with me.

robey

-----BEGIN PGP SIGNATURE-----

Version: GnuPG v1.4.8 (Darwin)

iEYEARECAAYFAkmZ01gACgkQQQDkKvyJ6cOLvQCfQmYYuVODvIlyLg0hgCI9LAbQ  
SH8AoLJgaq1Ili7/ZYDc+/Cd8VO0xLbr  
=Mv6g

-----END PGP SIGNATURE-----

From dlitz@dlitz.net Sun Nov 23 00:17:22 2008

Date: Sun, 23 Nov 2008 00:17:22 -0500

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: "A. M. Kuchling" <amk@amk.ca>

Subject: PyCrypto license clarification

Message-ID: <20081123051722.GA29253@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: multipart/signed; micalg=pgp-sha1;  
protocol="application/pgp-signature"; boundary="YiEDa0DAkWCtVeE4"

Content-Disposition: inline

X-Primary-Address: dlitz@dlitz.net

X-Homepage: http://www.dlitz.net/

X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;

id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);

preference=unprotected

X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;

id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);

preference=signencrypt

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 3461

Lines: 78

--YiEDa0DAkWCtVeE4  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
Content-Transfer-Encoding: quoted-printable

Hi Andrew,

People often ask me what license PyCrypto is covered by, if it's=20  
GPL-compatible, etc. Right now, I'm not really sure what to tell them. =20  
The text in the current LICENSE file (quoted below) is not entirely clear=  
=20  
on the point of whether distributing modified versions is allowed. (It=20  
says "distribute and use", but not "modify".)

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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Distribute and use freely; there are no restrictions on further  
dissemination and usage except those imposed by the laws of your  
country of residence. This software is provided "as is" without  
warranty of fitness for use or suitability for any purpose, express  
or implied. Use at your own risk or not at all.

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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Incorporating the code into commercial products is permitted; you do  
not have to make source available or contribute your changes back  
(though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I'd like to take steps to move toward a=20  
clearer licensing regime. I'm asking as many copyright holders as I can=20  
find, starting with you, if I can release PyCrypto under something clearer=  
=20  
and more standard. Below, I have quoted a public domain dedication that=20  
was recommended in Intellectual Property and Open Source: A Practical=20  
Guide to Protecting Code, by Van Lindberg.

May I, on your behalf, dedicate to the public domain your considerable=20  
contributions to PyCrypto, with the following notice?

=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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The contents of this file are dedicated to the public domain. To the



Received: (qmail 3992 invoked from network); 23 Nov 2008 12:51:52 -0000  
Received: from dsl092-163-165.wdc2.dsl.speakeasy.net (HELO localhost) (akuchling@[66.92.163.165])  
(envelope-sender <amk@amk.ca>)  
by mail5.sea5.speakeasy.net (qmail-ldap-1.03) with AES256-SHA encrypted SMTP  
for <dlitz@dlitz.net>; 23 Nov 2008 12:51:52 -0000  
Date: Sun, 23 Nov 2008 07:51:34 -0500  
From: "A.M. Kuchling" <amk@amk.ca>  
To: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
Subject: Re: PyCrypto license clarification  
Message-ID: <20081123125134.GA21239@amk.local>  
Reply-To: amk@amk.ca  
References: <20081123051722.GA29253@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
In-Reply-To: <20081123051722.GA29253@rivest.dlitz.net>  
User-Agent: Mutt/1.5.13 (2006-08-11)  
Status: RO  
Content-Length: 537  
Lines: 15

> People often ask me what license PyCrypto is covered by, if it's  
> GPL-compatible, etc. Right now, I'm not really sure what to tell them.  
> The text in the current LICENSE file (quoted below) is not entirely clear  
> on the point of whether distributing modified versions is allowed. (It  
> says "distribute and use", but not "modify".)

The intention is that it be public domain.

> May I, on your behalf, dedicate to the public domain your considerable  
> contributions to PyCrypto, with the following notice?

You may.

--amk  
From dlitz@dlitz.net Sun Aug 2 21:48:25 2009  
Date: Sun, 2 Aug 2009 21:48:25 -0400  
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>  
To: Paul Swartz <paulswartz@gmail.com>  
Subject: PyCrypto license clarification  
Message-ID: <20090803014825.GA1326@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Disposition: inline  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 2631

Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
=====
Distribute and use freely; there are no restrictions on further
dissemination and usage except those imposed by the laws of your
country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
or implied. Use at your own risk or not at all.
=====
```

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, Joris Bontje, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
=====
The contents of this file are dedicated to the public domain. To the
extent that dedication to the public domain is not available, everyone
is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug 3 12:14:07 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <paulswartz@gmail.com>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 12:14:07 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id AD9AE81068

for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 10:14:06 -0600 (CST)

Received: (vmailmgr-postfix 32055 invoked by uid 1003); 3 Aug 2009 10:14:06 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (gmail.com ... \_spf.google.com: 72.14.220.159 is authorized to use 'paulswartz@gmail.com' in 'mfrom' identity (mechanism 'ip4:72.14.192.0/18' matched)) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="paulswartz@gmail.com"; helo=fg-out-1718.google.com; client-ip=72.14.220.159

Received: from fg-out-1718.google.com (fg-out-1718.google.com [72.14.220.159])

by goedel.dlitz.net (Postfix) with ESMTP id 4E63881066

for <dlitz@dlitz.net>; Mon, 3 Aug 2009 10:14:05 -0600 (CST)

Received: by fg-out-1718.google.com with SMTP id d23so1076840fga.3

for <dlitz@dlitz.net>; Mon, 03 Aug 2009 09:14:04 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=gamma;

h=domainkey-signature:mime-version:received:in-reply-to:references

:from:date:message-id:subject:to:content-type

:content-transfer-encoding;

bh=A0RHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAvpApWcc=;

b=gyTqkRhKIHadFKIZCBWsRbnMNVdq1PWIJbyC0EvxPskaoHr3HAR96MWQNBePu/40Ac

Vn55qllqTdom4e9zlUEE6MwZo9kqi/Qw0L/SLib0DIQeNqo/eHYqPmuVswltaYwNAyMJ

Y9++76rPGzqYdALsfvsmwv7Q3/bEmjVTr0tQE=

DomainKey-Signature: a=rsa-sha1; c=noaws;

d=gmail.com; s=gamma;

h=mime-version:in-reply-to:references:from:date:message-id:subject:to

:content-type:content-transfer-encoding;

b=jze7KSMkUGilfVCXKXaaXMi5NAtGdMQOtVZZfRNyGSy68xOd2sxefjyyig3EfT6Nv6

Q3opUMsT96Q6zjZND55w446kTh2uBTNz4d3NwIeEWJnG3xcliRQu/mXPfP8AzPI3CefL

1omJLM1eQ2XyuZA73jem+SJtfdHUcSD1UhgI=

MIME-Version: 1.0

Received: by 10.239.157.147 with SMTP id q19mr601802hbc.61.1249316043185; Mon,

03 Aug 2009 09:14:03 -0700 (PDT)

In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>

References: <20090803014825.GA1326@rivest.dlitz.net>



From: Paul Swartz <paulswartz@gmail.com>  
Date: Mon, 3 Aug 2009 12:13:43 -0400  
Message-ID: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>  
Subject: Re: PyCrypto license clarification  
To: "Dwayne C. Litzberger" <dlitz@dlitz.net>  
Content-Type: text/plain; charset=UTF-8  
Content-Transfer-Encoding: quoted-printable  
Status: RO  
X-Status: A  
Content-Length: 1450

On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzberger<dlitz@dlitz.net> wrote:

> Hi Paul,  
>  
> I am the new maintainer of the Python Cryptography Toolkit, and I am  
> working on a new release at <http://www.pycrypto.org/>.

That's great!

> I understand that you have made contributions to PyCrypto, under nickname  
> "z3p" and/or other names. =C2=A0May I, on your behalf, dedicate to the pu=  
blic  
> domain all your contributions to PyCrypto, with the following notice?  
>  
> =C2=A0=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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> =C2=A0The contents of this file are dedicated to the public domain. =C2=  
=A0To the  
> =C2=A0extent that dedication to the public domain is not available, every=  
one  
> =C2=A0is granted a worldwide, perpetual, royalty-free, non-exclusive lice=  
nse  
> =C2=A0to exercise all rights associated with the contents of this file fo=  
r  
> =C2=A0any purpose whatsoever. =C2=A0No rights are reserved.  
> =C2=A0=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=  
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Yes, that's fine. Good luck with the new release!

-P  
--=20  
Paul Swartz  
paulswartz at gmail dot com  
<http://paulswartz.net/>

AIM: z3penguin

From dlitz@dlitz.net Mon Aug 3 14:35:01 2009  
Date: Mon, 3 Aug 2009 14:35:01 -0400  
From: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
To: Paul Swartz <paulswartz@gmail.com>  
Subject: Re: PyCrypto license clarification  
Message-ID: <20090803183501.GA17472@rivest.dlitz.net>  
References: <20090803014825.GA1326@rivest.dlitz.net>  
<324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1; format=flowed  
Content-Disposition: inline  
Content-Transfer-Encoding: 8bit  
In-Reply-To: <324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>  
X-Primary-Address: dlitz@dlitz.net  
X-Homepage: http://www.dlitz.net/  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;  
id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);  
preference=unprotected  
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;  
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);  
preference=signencrypt  
User-Agent: Mutt/1.5.16 (2007-06-11)  
Status: RO  
Content-Length: 1250

On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:  
>On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenger<dlitz@dlitz.net> wrote:  
>> Hi Paul,  
>>  
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>> working on a new release at <http://www.pycrypto.org/>.  
>  
>That's great!  
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>> extent that dedication to the public domain is not available, everyone  
>> is granted a worldwide, perpetual, royalty-free, non-exclusive license  
>> to exercise all rights associated with the contents of this file for  
>> any purpose whatsoever. No rights are reserved.  
>> =====

>

>Yes, that's fine. Good luck with the new release!

Perfect! Thanks for the quick response!

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From dlitz@dlitz.net Mon May 4 22:49:14 2009

Date: Mon, 4 May 2009 22:49:14 -0400

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: Joris Bontje <joris@bontje.nl>

Subject: PyCrypto license clarification

Message-ID: <20090505024914.GA9219@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 2553

Hi Joris,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at <http://www.pycrypto.org/>.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
=====
Distribute and use freely; there are no restrictions on further
dissemination and usage except those imposed by the laws of your
country of residence. This software is provided "as is" without
warranty of fitness for use or suitability for any purpose, express
or implied. Use at your own risk or not at all.
=====
```

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk

([www.amk.ca](http://www.amk.ca))

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find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in Intellectual Property and Open Source: A Practical Guide to Protecting Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they have all approved the following dedication for their contributions.

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is granted a worldwide, perpetual, royalty-free, non-exclusive license
to exercise all rights associated with the contents of this file for
any purpose whatsoever. No rights are reserved.
=====
```

Regards,  
- Dwayne

--

Dwayne C. Litzemberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From joris@bontje.nl Tue May 5 03:08:32 2009

X-Maildir-Dup-Checked: Yes

Return-Path: <joris@bontje.nl>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id 7AA4B9E5078

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 03:08:32 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 2315B40583

for <dwon@rivest.dlitz.net>; Tue, 5 May 2009 01:08:32 -0600 (CST)

Received: (vmailmgr-postfix 16890 invoked by uid 1003); 5 May 2009 01:08:32 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (bontje.nl: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="joris@bontje.nl"; helo=smtp6.versatel.nl; client-ip=62.58.50.97

Received: from smtp6.versatel.nl (smtp6.versatel.nl [62.58.50.97])

by goedel.dlitz.net (Postfix) with ESMTP id 2D76A4052C

for <dlitz@dlitz.net>; Tue, 5 May 2009 01:08:30 -0600 (CST)

Received: (qmail 4224 invoked by uid 0); 5 May 2009 07:08:25 -0000

Received: from qmail06.zonnet.nl (HELO dell062.admin.zonnet.nl) ([10.170.1.123])

(envelope-sender <joris@bontje.nl>)

by 10.170.1.96 (qmail-ldap-1.03) with SMTP

for <>; 5 May 2009 07:08:25 -0000  
Received: by dell062.admin.zonnet.nl (Postfix, from userid 33)  
id 9BE9B15759B; Tue, 5 May 2009 09:08:25 +0200 (CEST)  
Received: from firewall66.interaccess.nl (firewall66.interaccess.nl  
[193.173.35.66]) by www.webmail.vuurwerk.nl (Horde MIME library) with HTTP;  
Tue, 05 May 2009 09:08:25 +0200  
Message-ID: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>  
Date: Tue, 05 May 2009 09:08:25 +0200  
From: joris@bontje.nl  
To: "Dwayne C. Litzenger" <dlitz@dlitz.net>  
Subject: Re: PyCrypto license clarification  
References: <20090505024914.GA9219@rivest.dlitz.net>  
In-Reply-To: <20090505024914.GA9219@rivest.dlitz.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset=ISO-8859-1;  
format="flowed"  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit  
User-Agent: Internet Messaging Program (IMP) H3 (4.1.3)  
Status: RO  
X-Status: A  
Content-Length: 3488

Hi Dwayne,

Thanks for taking over the PyCrypto library and putting in the required effort to keep this going.

I was very excited to read that it is now one of the installed libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to PyCrypto to the public domain with your suggested notice:

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=====

Regards,  
Joris

Citeren "Dwayne C. Litzenger" <dlitz@dlitz.net>:

> Hi Joris,

>  
> I am the new maintainer of the Python Cryptography Toolkit, and I am  
> working on a new release at <http://www.pycrypto.org/>.  
>  
> People often ask me what license PyCrypto is covered by, if it's  
> GPL-compatible, etc. Right now, I'm not really sure what to tell them.  
> The text in the current LICENSE file (quoted below) is not entirely clear  
> on the point of whether distributing modified versions is allowed. (It  
> says "distribute and use", but not "modify".)  
>  
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> or implied. Use at your own risk or not at all.  
> =====  
>  
> Incorporating the code into commercial products is permitted; you do  
> not have to make source available or contribute your changes back  
> (though that would be nice).  
>  
> --amk (www.amk.ca)  
>  
> For the next PyCrypto release, I would like to take steps to move toward a  
> clearer licensing regime. I am asking as many copyright holders as I can  
> find if I can release PyCrypto under something clearer and more standard.  
> Below, I have quoted a public domain dedication that was recommended in  
> Intellectual Property and Open Source: A Practical Guide to Protecting  
> Code, by Van Lindberg. I have already contacted A. M. Kuchling, Robey  
> Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they  
> have all approved the following dedication for their contributions.  
>  
> I understand that you have made contributions to PyCrypto. May I, on your  
> behalf, dedicate to the public domain all your contributions to PyCrypto,  
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> any purpose whatsoever. No rights are reserved.  
> =====  
>  
> Regards,  
> - Dwayne  
>

> --

> Dwayne C. Litzenger <dlitz@dlitz.net>

> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From dlitz@dlitz.net Tue May 5 17:53:47 2009

Date: Tue, 5 May 2009 17:53:47 -0400

From: "Dwayne C. Litzenger" <dlitz@dlitz.net>

To: joris@bontje.nl

Subject: Re: PyCrypto license clarification

Message-ID: <20090505215347.GB9933@rivest.dlitz.net>

References: <20090505024914.GA9219@rivest.dlitz.net>

<20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

In-Reply-To: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>

X-Primary-Address: dlitz@dlitz.net

X-Homepage: http://www.dlitz.net/

X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;

id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);

preference=unprotected

X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;

id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);

preference=signencrypt

User-Agent: Mutt/1.5.16 (2007-06-11)

Status: RO

Content-Length: 3863

Excellent! Thank you!

On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:

> Hi Dwayne,

>

> Thanks for taking over the PyCrypto library and putting in the required

> effort to keep this going.

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> for Google AppsEngine!

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>  
>  
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>> =====  
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>> dissemination and usage except those imposed by the laws of your  
>> country of residence. This software is provided "as is" without  
>> warranty of fitness for use or suitability for any purpose, express  
>> or implied. Use at your own risk or not at all.  
>> =====  
>>  
>> Incorporating the code into commercial products is permitted; you do  
>> not have to make source available or contribute your changes back  
>> (though that would be nice).  
>>  
>> --amk (www.amk.ca)  
>>  
>> For the next PyCrypto release, I would like to take steps to move toward a  
>> clearer licensing regime. I am asking as many copyright holders as I can  
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>> to exercise all rights associated with the contents of this file for  
>> any purpose whatsoever. No rights are reserved.

>> =====

>>

>> Regards,

>> - Dwayne

>>

>> --

>> Dwayne C. Litzenger <dlitz@dlitz.net>

>> Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

>

>

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

#### A. HISTORY OF THE SOFTWARE

=====

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

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

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

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

| Release | Derived | Year | Owner | GPL- |
|---------|---------|------|-------|------|
|---------|---------|------|-------|------|

|      |  |             |     |  |
|------|--|-------------|-----|--|
| from |  | compatible? | (1) |  |
|------|--|-------------|-----|--|

|                |           |           |            |     |
|----------------|-----------|-----------|------------|-----|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes |
| 1.6            | 1.5.2     | 2000      | CNRI       | no  |
| 2.0            | 1.6       | 2000      | BeOpen.com | no  |
| 1.6.1          | 1.6       | 2001      | CNRI       | no  |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no  |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes |
| 2.2            | 2.1.1     | 2001      | PSF        | yes |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes |
| 2.1.3          | 2.1.2     | 2002      | PSF        | yes |
| 2.2.1          | 2.2       | 2002      | PSF        | yes |
| 2.2.2          | 2.2.1     | 2002      | PSF        | yes |
| 2.2.3          | 2.2.2     | 2003      | PSF        | yes |

Footnotes:

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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00INDEX This file

LICENSE.orig Original (deprecated) license for the Python Cryptography Toolkit

LICENSE.libtom LICENSE file from LibTomCrypt

stmts/ Statements by contributors

From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008

X-Maildir-Dup-Checked: Yes

Return-Path: <dlitz@dlitz.net>

X-Original-To: dwon@rivest.dlitz.net

Delivered-To: dwon@rivest.dlitz.net

Received: from goedel.dlitz.net (unknown [10.159.255.6])

by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 20:45:06 -0400 (EDT)

Received: from localhost (localhost [127.0.0.1])

by goedel.dlitz.net (Postfix) with QMQP id 99A9D100AA

for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 18:45:05 -0600 (CST)

Received: (vmmailmgr-postfix 3270 invoked by uid 1003); 27 Aug 2008 18:45:05 -0600

Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: pass (goedel.dlitz.net: domain of dlitz@dlitz.net designates 193.201.42.13 as permitted sender)

Received: from m14.itconsult.net (m14.itconsult.net [193.201.42.13])

by goedel.dlitz.net (Postfix) with ESMTP id 1D3B510088

for <dlitz@dlitz.net>; Wed, 27 Aug 2008 18:45:04 -0600 (CST)

Received: from stamper.itconsult.co.uk (stamper.itconsult.co.uk

[193.201.42.31]) by m14.stamper.itconsult.co.uk (GMS

15.01.3664/NT8923.00.54dca388) with SMTP id jfxsjqaa for dlitz@dlitz.net;

Thu, 28 Aug 2008 01:45:02 +0100

To: crypt@bis.doc.gov,

enc@nsa.gov,

web\_site@bis.doc.gov,

pycrypto@lists.dlitz.net,

PYTHON-CRYPTO@NIC.SURFNET.NL,

dlitz@dlitz.net

Received-SPF: Pass (m14.stamper.itconsult.co.uk: domain of dlitz@dlitz.net

designates 64.5.53.201 as permitted sender) identity=mailfrom;

client-ip=64.5.53.201; receiver=m14.stamper.itconsult.co.uk;

helo=goedel.dlitz.net; mechanism=-all; envelope-from=dlitz@dlitz.net;

Received: from goedel.dlitz.net (goedel.dlitz.net [64.5.53.201]) by

m14.stamper.itconsult.co.uk (GMS 15.01.3664/NT8923.00.54dca388) with ESMTP id

taxsjqaa for post@stamper.itconsult.co.uk; Thu, 28 Aug 2008 01:42:58 +0100

Received: from rivest.dlitz.net (rivest.dlitz.net [IPv6:2002:4c0a:9133:1104::1])

by goedel.dlitz.net (Postfix) with ESMTP id 667C7100B1

for <post@stamper.itconsult.co.uk>; Wed, 27 Aug 2008 18:42:56 -0600 (CST)

Received: by rivest.dlitz.net (Postfix, from userid 1000)

id B92F8C66420; Wed, 27 Aug 2008 20:42:55 -0400 (EDT)

Received: by rivest.dlitz.net (tmda-sendmail, from uid 1000);

Wed, 27 Aug 2008 20:42:54 -0400

Date: Wed, 27 Aug 2008 20:42:54 -0400

Cc: post@stamper.itconsult.co.uk

Subject: PyCrypto TSU NOTIFICATION

Message-ID: <20080828004254.GA31214@rivest.dlitz.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Disposition: inline

X-Primary-Address: dlitz@dlitz.net

X-Homepage: <http://www.dlitz.net/>

X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;

id=19E11FE8B3CFF273ED174A24928CEC1339C25CF7 (only for key signing);

preference=unprotected

X-OpenPGP: url=<http://www.dlitz.net/go/gpgkey/>;

id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);

preference=signencrypt

User-Agent: Mutt/1.5.16 (2007-06-11)

X-Delivery-Agent: TMDA/1.1.9 (Jura)

From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>

X-DNSBL: 0

Status: O  
Content-Length: 2182  
Lines: 65

-----BEGIN PGP SIGNED MESSAGE-----

```
#####  
#  
# This is a proof of posting certificate from  
# stamper.itconsult.co.uk certifying that a user  
# claiming to be:-  
# dlitz@dlitz.net  
# requested that this message be sent to:-  
# crypt@bis.doc.gov  
# enc@nsa.gov  
# web_site@bis.doc.gov  
# pycrypto@lists.dlitz.net  
# PYTHON-CRYPTO@NIC.SURFNET.NL  
# dlitz@dlitz.net  
#  
# This certificate was issued at 00:45 (GMT)  
# on Thursday 28 August 2008 with reference 0520978  
#  
# CAUTION: while the message may well be from the sender  
# indicated in the "From:" header, the sender  
# has NOT been authenticated by this service  
#  
# For information about the Stamper service see  
# http://www.itconsult.co.uk/stamper.htm  
#  
#####
```

SUBMISSION TYPE: TSU  
SUBMITTED BY: Dwayne C. Litzenberger  
SUBMITTED FOR: Dwayne C. Litzenberger  
POINT OF CONTACT: Dwayne C. Litzenberger  
PHONE and/or FAX: +1-613-693-1296  
MANUFACTURER: n/a  
PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")  
ECCN: 5D002

NOTIFICATION: <http://www.pycrypto.org/>

Note: I am a Canadian citizen posting software to my website located in Canada. I am not certain whether PyCrypto contains enough US-origin cryptography to be covered by U.S. export controls, but I am submitting this anyway.



(Sorry for spamming the lists, but I want there to be a record of this.)

--

Dwayne C. Litzenger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

-----BEGIN PGP SIGNATURE-----

Version: 2.6.3i

Charset: noconv

Comment: Stamper Reference Id: 0520978

iQEVAgUBSLX1DYGVnbVwth+BAQEcuwf9EWnXLqSO5bPzR9K9QnTPcsKbTljKjPxr  
d+q0E7eE8VtnvviUcTAR9o27yvzOPxdFT864MQA7OTSbPK39aGAgA4fgAgvYH9t  
UNjJ/kv8QLz/aq2fi/HNjyrwnqFnUI0uqwpOrQGbz8Y+SGpVh1gKqy1Ju45L+doq  
sxbzCOPjgRv2zDdNR/2SnFmDWQXv8dSeonwIHpQDft8/LVA/gHiTDmteQIOhJQ6o  
XYhY+HbRjsD741/GSpOt9IIN5ln0UgshFoLIndnNSAvWf4aPyh5KCN7ho+/BC0v/  
W/pqSSIPkwmhbhPHoOltTkNc0qKLAHXqMGJNhO8AkrYZOyJksb0HsA==  
=3oIX

-----END PGP SIGNATURE-----

# 1.945 python-dateutil 1.4.1 :6.e16

## 1.945.1 Available under license :

### A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release from   | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |

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# 1.946 python-dmidecode 3.10.13 :1.e16

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## 1.950 python-gudev 147.1 :4.e16\_0.1

### 1.950.1 Available under license :

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Version 3, 29 June 2007

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

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

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

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

| Release<br>from | Derived | Year | Owner | GPL-<br>compatible? (1) |
|-----------------|---------|------|-------|-------------------------|
|-----------------|---------|------|-------|-------------------------|

|                |           |           |            |         |
|----------------|-----------|-----------|------------|---------|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes     |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes     |
| 1.6            | 1.5.2     | 2000      | CNRI       | no      |
| 2.0            | 1.6       | 2000      | BeOpen.com | no      |
| 1.6.1          | 1.6       | 2001      | CNRI       | yes (2) |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no      |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes     |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes     |
| 2.2            | 2.1.1     | 2001      | PSF        | yes     |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes     |
| 2.1.3          | 2.1.2     | 2002      | PSF        | yes     |
| 2.2.1          | 2.2       | 2002      | PSF        | yes     |
| 2.2.2          | 2.2.1     | 2002      | PSF        | yes     |
| 2.2.3          | 2.2.2     | 2003      | PSF        | yes     |
| 2.3            | 2.2.2     | 2002-2003 | PSF        | yes     |
| 2.3.1          | 2.3       | 2002-2003 | PSF        | yes     |
| 2.3.2          | 2.3.1     | 2002-2003 | PSF        | yes     |
| 2.3.3          | 2.3.2     | 2002-2003 | PSF        | yes     |

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#### A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |



|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.3   | 2.2.2 | 2002-2003 | PSF | yes |
| 2.3.1 | 2.3   | 2002-2003 | PSF | yes |
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.4.4 | 2.4.3 | 2006      | PSF | yes |
| 2.5   | 2.4   | 2006      | PSF | yes |
| 2.5.1 | 2.5   | 2007      | PSF | yes |
| 2.5.2 | 2.5.1 | 2008      | PSF | yes |
| 2.5.3 | 2.5.2 | 2008      | PSF | yes |
| 2.6   | 2.5   | 2008      | PSF | yes |
| 2.6.1 | 2.6   | 2008      | PSF | yes |
| 2.6.2 | 2.6.1 | 2009      | PSF | yes |
| 2.6.3 | 2.6.2 | 2009      | PSF | yes |
| 2.6.4 | 2.6.3 | 2009      | PSF | yes |
| 2.6.5 | 2.6.4 | 2010      | PSF | yes |

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```
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```

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```

```
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=====

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

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

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

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|----------------|-----------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2     | 2000      | CNRI       | no                  |
| 2.0            | 1.6       | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6       | 2001      | CNRI       | no                  |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes                 |
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Version 2.0, January 2004

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## 1.961 python-paramiko 1.7.5 :2.1.el6

### 1.961.1 Available under license :

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Version 2.1, February 1999

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# 1.962 python-ping NA

## 1.962.1 Available under license :

"""

A pure python ping implementation using raw socket.

Note that ICMP messages can only be sent from processes running as root.

Derived from ping.c distributed in Linux's netkit. That code is copyright (c) 1989 by The Regents of the University of California. That code is in turn derived from code written by Mike Muuss of the US Army Ballistic Research Laboratory in December, 1983 and placed in the public domain. They have my thanks.

Bugs are naturally mine. I'd be glad to hear about them. There are certainly word - size dependences here.

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Original Version from Matthew Dixon Cowles:

-> <ftp://ftp.visi.com/users/mdc/ping.py>

Rewrite by Jens Diemer:

-> <http://www.python-forum.de/post-69122.html#69122>

Revision history

~~~~~  
March 11, 2010

changes by Samuel Stauffer:

- replaced time.clock with default_timer which is set to time.clock on windows and time.time on other systems.

May 30, 2007

little rewrite by Jens Diemer:

- change socket asterisk import to a normal import
- replace time.time() with time.clock()
- delete "return None" (or change to "return" only)
- in checksum() rename "str" to "source_string"

November 22, 1997

Initial hack. Doesn't do much, but rather than try to guess what features I (or others) will want in the future, I've only put in what I need now.

December 16, 1997

For some reason, the checksum bytes are in the wrong order when this is run under Solaris 2.X for SPARC but it works right under Linux x86. Since I don't know just what's wrong, I'll swap the bytes always and then do an htons().

December 4, 2000

Changed the struct.pack() calls to pack the checksum and ID as unsigned. My thanks to Jerome Poincheval for the fix.

Januari 27, 2015

Changed receive response to not accept ICMP request messages. It was possible to receive the very request that was sent.

Last commit info:

~~~~~

\$LastChangedDate: \$

\$Rev: \$

\$Author: \$

""""

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# 1.966 python-pygments 1.1.1 :1.e16

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## 1.967 python-pygments\_GPLv3 1.4 :9.e17

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V# New ports collection makefile for: python25\u000a  
p364  
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tp366  
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V# Date created: 3 July 2003\u000a  
p367  
tp368  
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tp369

a(g24  
V# Whom: Hye-Shik Chang <perky@FreeBSD.org>\u000a  
p370  
tp371  
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tp372  
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p373  
tp374  
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tp375  
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p781  
tp782  
a(g6

V  
tp783  
a(g6  
Voff  
p784  
tp785  
a(g6  
V  
tp786  
a(g262  
V\u005c\u000a  
p787  
tp788  
a(g6  
V  
p789  
tp790  
a(g6  
VUCS4  
p791  
tp792  
a(g6  
V  
tp793  
a(g255  
V"Use UCS4 for unicode support"  
p794  
tp795  
a(g6  
V  
tp796  
a(g6  
Von  
p797  
tp798  
a(g6  
V  
tp799  
a(g262  
V\u005c\u000a  
p800  
tp801  
a(g6  
V  
p802  
tp803  
a(g6  
VPYMALLOC



p804  
tp805  
a(g6  
V  
tp806  
a(g255  
V"Use python's internal malloc"  
p807  
tp808  
a(g6  
V  
tp809  
a(g6  
Von  
p810  
tp811  
a(g6  
V  
tp812  
a(g262  
V\u005c\u000a  
p813  
tp814  
a(g6  
V  
p815  
tp816  
a(g6  
VIPV6  
p817  
tp818  
a(g6  
V  
tp819  
a(g255  
V"Enable IPv6 support"  
p820  
tp821  
a(g6  
V  
tp822  
a(g6  
Von  
p823  
tp824  
a(g6  
V  
tp825

a(g262  
V\u005c\u000a  
p826  
tp827  
a(g6  
V  
p828  
tp829  
a(g6  
VFPECTL  
p830  
tp831  
a(g6  
V  
tp832  
a(g255  
V"Enable floating point exception handling"  
p833  
tp834  
a(g6  
V  
tp835  
a(g6  
Voff  
p836  
tp837  
a(g6  
V\u000a\u000a  
p838  
tp839  
a(g27  
V.include <bsd.port.pre.mk>\u000a  
p840  
tp841  
a(g6  
V\u000a  
tp842  
a(g27  
V.if \${PYTHON\_VERSION} == \${PYTHON\_DEFAULT\_VERSION}\u000a  
p843  
tp844  
a(g6  
V  
tp845  
a(g100  
VMLINKS  
p846  
tp847

a(g353  
V=  
tp848  
a(g6  
V  
p849  
tp850  
a(g138  
V\${  
p851  
tp852  
a(g100  
VPYTHON\_VERSION  
p853  
tp854  
a(g138  
V}  
tp855  
a(g6  
V.1  
p856  
tp857  
a(g6  
V  
tp858  
a(g6  
Vpython.1  
p859  
tp860  
a(g6  
V\u000a  
tp861  
a(g6  
VPLIST\_SUB+  
p862  
tp863  
a(g353  
V=  
tp864  
a(g6  
V  
tp865  
a(g100  
VIF\_DEFAULT  
p866  
tp867  
a(g353  
V=

tp868  
a(g255  
V"  
p869  
tp870  
a(g6  
V\u000a  
tp871  
a(g27  
V.else\u000a  
p872  
tp873  
a(g6  
V  
tp874  
a(g6  
VPLIST\_SUB+  
p875  
tp876  
a(g353  
V=  
tp877  
a(g6  
V  
tp878  
a(g100  
VIF\_DEFAULT  
p879  
tp880  
a(g353  
V=  
tp881  
a(g255  
V"@comment "  
p882  
tp883  
a(g6  
V\u000a  
tp884  
a(g27  
V.endif\u000a  
p885  
tp886  
a(g6  
V\u000a  
tp887  
a(g24  
V# workaround for a bug in base curses.h.\u000a

p888  
tp889  
a(g6  
V  
tp890  
a(g6  
VCFLAGS+  
p891  
tp892  
a(g353  
V=  
tp893  
a(g6  
V  
tp894  
a(g6  
V-D\_\_wchar\_t  
p895  
tp896  
a(g353  
V=  
tp897  
a(g6  
Vwchar\_t  
p898  
tp899  
a(g6  
V\u000a\u000a  
p900  
tp901  
a(g27  
V.if !defined(WITHOUT\_THREADS)\u000a  
p902  
tp903  
a(g6  
V  
tp904  
a(g6  
VCONFIGURE\_ARGS+  
p905  
tp906  
a(g353  
V=  
tp907  
a(g6  
V  
tp908  
a(g6

V--with-threads  
p909  
tp910  
a(g6  
V\u000a  
tp911  
a(g6  
VCFLAGS+  
p912  
tp913  
a(g353  
V=  
tp914  
a(g6  
V  
p915  
tp916  
a(g138  
V\${  
p917  
tp918  
a(g100  
VPTHREAD\_CFLAGS  
p919  
tp920  
a(g138  
V}  
tp921  
a(g6  
V\u000a  
tp922  
a(g27  
V.if defined(WITHOUT\_HUGE\_STACK\_SIZE)\u000a  
p923  
tp924  
a(g6  
V  
tp925  
a(g6  
VCFLAGS+  
p926  
tp927  
a(g353  
V=  
tp928  
a(g6  
V  
p929

tp930  
a(g6  
V-DTHREAD\_STACK\_SIZE  
p931  
tp932  
a(g353  
V=  
tp933  
a(g6  
V0x20000  
p934  
tp935  
a(g6  
V\u000a  
tp936  
a(g27  
V.else\u000a  
p937  
tp938  
a(g6  
V  
tp939  
a(g6  
VCFLAGS+  
p940  
tp941  
a(g353  
V=  
tp942  
a(g6  
V  
p943  
tp944  
a(g6  
V-DTHREAD\_STACK\_SIZE  
p945  
tp946  
a(g353  
V=  
tp947  
a(g6  
V0x100000  
p948  
tp949  
a(g6  
V\u000a  
tp950  
a(g27

V.endif # defined(WITHOUT\_HUGE\_STACK\_SIZE)\u000a

p951

tp952

a(g6

V

tp953

a(g6

VCONFIGURE\_ENV+

p954

tp955

a(g353

V=

tp956

a(g6

V

p957

tp958

a(g100

VLDFLAGS

p959

tp960

a(g353

V=

tp961

a(g255

V"\${PTHREAD\_LIBS} \${LDFLAGS}"

p962

tp963

a(g6

V\u000a

tp964

a(g27

V.else\u000a

p965

tp966

a(g6

V

tp967

a(g6

VCONFIGURE\_ARGS+

p968

tp969

a(g353

V=

tp970

a(g6

V

tp971



a(g6  
V--without-threads  
p972  
tp973  
a(g6  
V\u000a  
tp974  
a(g27  
V.if defined(LDFLAGS)\u000a  
p975  
tp976  
a(g6  
V  
tp977  
a(g6  
VCONFIGURE\_ENV+  
p978  
tp979  
a(g353  
V=  
tp980  
a(g6  
V  
p981  
tp982  
a(g100  
VLDFLAGS  
p983  
tp984  
a(g353  
V=  
tp985  
a(g255  
V"\${LDFLAGS}"  
p986  
tp987  
a(g6  
V\u000a  
tp988  
a(g27  
V.endif # defined(LDFLAGS)\u000a  
p989  
tp990  
a(g6  
V  
tp991  
a(g27  
V.endif # !defined(WITHOUT\_THREADS)\u000a

p992  
tp993  
a(g6  
V\u000a  
tp994  
a(g27  
V.if !defined(WITHOUT\_UCS4) && !defined(WITH\_UCS2)\u000a  
p995  
tp996  
a(g6  
V  
tp997  
a(g6  
VCONFIGURE\_ARGS+  
p998  
tp999  
a(g353  
V=  
tp1000  
a(g6  
V  
tp1001  
a(g6  
V--enable-unicode  
p1002  
tp1003  
a(g353  
V=  
tp1004  
a(g6  
Vucs4  
p1005  
tp1006  
a(g6  
V\u000a  
tp1007  
a(g27  
V.endif\u000a  
p1008  
tp1009  
a(g6  
V\u000a  
tp1010  
a(g27  
V.if defined(WITHOUT\_PYMALLOC)\u000a  
p1011  
tp1012  
a(g6

V  
tp1013  
a(g6  
VCONFIGURE\_ARGS+  
p1014  
tp1015  
a(g353  
V=  
tp1016  
a(g6  
V  
p1017  
tp1018  
a(g6  
V--without-pymalloc  
p1019  
tp1020  
a(g6  
V\u000a  
tp1021  
a(g27  
V endif\u000a  
p1022  
tp1023  
a(g6  
V\u000a  
tp1024  
a(g27  
V.if \${ARCH} == i386\u000a  
p1025  
tp1026  
a(g6  
V  
tp1027  
a(g6  
VPLIST\_SUB+  
p1028  
tp1029  
a(g353  
V=  
tp1030  
a(g6  
V  
tp1031  
a(g100  
VX86\_ONLY  
p1032  
tp1033

a(g353  
V=  
tp1034  
a(g255  
V""  
p1035  
tp1036  
a(g6  
V\u000a  
tp1037  
a(g27  
V.else\u000a  
p1038  
tp1039  
a(g6  
V  
tp1040  
a(g6  
VPLIST\_SUB+  
p1041  
tp1042  
a(g353  
V=  
tp1043  
a(g6  
V  
tp1044  
a(g100  
VX86\_ONLY  
p1045  
tp1046  
a(g353  
V=  
tp1047  
a(g255  
V"@comment "  
p1048  
tp1049  
a(g6  
V\u000a  
tp1050  
a(g27  
V.endif\u000a  
p1051  
tp1052  
a(g6  
V  
tp1053

a(g27  
V.if \${ARCH} == amd64 || \${ARCH} == ia64 || \${ARCH} == sparc64 || \${ARCH} == alpha\u000a  
p1054  
tp1055  
a(g6  
V  
tp1056  
a(g6  
VPLIST\_SUB+  
p1057  
tp1058  
a(g353  
V=  
tp1059  
a(g6  
V  
p1060  
tp1061  
a(g100  
V32BIT\_ONLY  
p1062  
tp1063  
a(g353  
V=  
tp1064  
a(g255  
V"@comment "  
p1065  
tp1066  
a(g6  
V\u000a  
tp1067  
a(g27  
V.else\u000a  
p1068  
tp1069  
a(g6  
V  
tp1070  
a(g6  
VPLIST\_SUB+  
p1071  
tp1072  
a(g353  
V=  
tp1073  
a(g6  
V

p1074  
tp1075  
a(g100  
V32BIT\_ONLY  
p1076  
tp1077  
a(g353  
V=  
tp1078  
a(g255  
V""  
p1079  
tp1080  
a(g6  
V\u000a  
tp1081  
a(g27  
V.endif\u000a  
p1082  
tp1083  
a(g6  
V  
tp1084  
a(g27  
V.if \${ARCH} == sparc64\u000a  
p1085  
tp1086  
a(g6  
V  
tp1087  
a(g6  
VCFLAGS+  
p1088  
tp1089  
a(g353  
V=  
tp1090  
a(g6  
V  
p1091  
tp1092  
a(g6  
V-DPYTHON\_DEFAULT\_RECURSION\_LIMIT  
p1093  
tp1094  
a(g353  
V=  
tp1095

a(g6  
V900  
p1096  
tp1097  
a(g6  
V\u000a  
tp1098  
a(g27  
V.endif\u000a  
p1099  
tp1100  
a(g6  
V\u000a  
tp1101  
a(g27  
V.if !exists(/usr/bin/ypcat) # the world with NO\_NIS\u000a  
p1102  
tp1103  
a(g6  
V  
tp1104  
a(g6  
VPLIST\_SUB+  
p1105  
tp1106  
a(g353  
V=  
tp1107  
a(g6  
V  
tp1108  
a(g100  
VNO\_NIS  
p1109  
tp1110  
a(g353  
V=  
tp1111  
a(g255  
V"@comment "  
p1112  
tp1113  
a(g6  
V\u000a  
tp1114  
a(g27  
V.else\u000a  
p1115

tp1116  
a(g6  
V  
tp1117  
a(g6  
VPLIST\_SUB+  
p1118  
tp1119  
a(g353  
V=  
tp1120  
a(g6  
V  
tp1121  
a(g100  
VNO\_NIS  
p1122  
tp1123  
a(g353  
V=  
tp1124  
a(g255  
V""  
p1125  
tp1126  
a(g6  
V\u000a  
tp1127  
a(g27  
V.endif\u000a  
p1128  
tp1129  
a(g6  
V\u000a  
tp1130  
a(g27  
V.if !defined(WITHOUT\_IPV6)\u000a  
p1131  
tp1132  
a(g6  
V  
tp1133  
a(g6  
VCONFIGURE\_ARGS+  
p1134  
tp1135  
a(g353  
V=



tp1136  
a(g6  
V  
tp1137  
a(g6  
V--enable-ipv6  
p1138  
tp1139  
a(g6  
V\u000a  
tp1140  
a(g27  
V.else\u000a  
p1141  
tp1142  
a(g6  
V  
tp1143  
a(g6  
VCONFIGURE\_ARGS+  
p1144  
tp1145  
a(g353  
V=  
tp1146  
a(g6  
V  
tp1147  
a(g6  
V--disable-ipv6  
p1148  
tp1149  
a(g6  
V\u000a  
tp1150  
a(g27  
V.endif\u000a  
p1151  
tp1152  
a(g6  
V\u000a  
tp1153  
a(g27  
V.if defined(WITH\_FPECTL)\u000a  
p1154  
tp1155  
a(g6  
V

tp1156  
a(g6  
VCONFIGURE\_ARGS+  
p1157  
tp1158  
a(g353  
V=  
tp1159  
a(g6  
V  
tp1160  
a(g6  
V--with-fpectl  
p1161  
tp1162  
a(g6  
V\u000a  
tp1163  
a(g27  
V.endif\u000a  
p1164  
tp1165  
a(g6  
V\u000a  
tp1166  
a(g27  
V.if \${OSVERSION} >= 700000\u000a  
p1167  
tp1168  
a(g6  
V  
tp1169  
a(g100  
VPLATFORMS  
p1170  
tp1171  
a(g353  
V=  
tp1172  
a(g6  
Vplat-freebsd4  
p1173  
tp1174  
a(g6  
V  
tp1175  
a(g6  
Vplat-freebsd5

p1176  
tp1177  
a(g6  
V  
tp1178  
a(g6  
Vplat-freebsd6  
p1179  
tp1180  
a(g6  
V\u000a  
tp1181  
a(g27  
V.elif \${OSVERSION} >= 600000\u000a  
p1182  
tp1183  
a(g6  
V  
tp1184  
a(g100  
VPLATFORMS  
p1185  
tp1186  
a(g353  
V=  
tp1187  
a(g6  
Vplat-freebsd4  
p1188  
tp1189  
a(g6  
V  
tp1190  
a(g6  
Vplat-freebsd5  
p1191  
tp1192  
a(g6  
V  
tp1193  
a(g6  
Vplat-freebsd7  
p1194  
tp1195  
a(g6  
V\u000a  
tp1196  
a(g27

V.else\u000a  
p1197  
tp1198  
a(g6  
V  
tp1199  
a(g100  
VPLATFORMS  
p1200  
tp1201  
a(g353  
V=  
tp1202  
a(g6  
Vplat-freebsd4  
p1203  
tp1204  
a(g6  
V  
tp1205  
a(g6  
Vplat-freebsd6  
p1206  
tp1207  
a(g6  
V  
tp1208  
a(g6  
Vplat-freebsd7  
p1209  
tp1210  
a(g6  
V\u000a  
tp1211  
a(g27  
V.endif\u000a  
p1212  
tp1213  
a(g6  
V\u000a  
tp1214  
a(g6  
Vpre-patch:  
p1215  
tp1216  
a(g6  
V\u000a  
p1217

tp1218  
a(g138  
V\${  
p1219  
tp1220  
a(g100  
VMKDIR  
p1221  
tp1222  
a(g138  
V}  
tp1223  
a(g6  
V  
tp1224  
a(g138  
V\${  
p1225  
tp1226  
a(g100  
VWRKSRC  
p1227  
tp1228  
a(g138  
V}  
tp1229  
a(g6  
V  
tp1230  
a(g138  
V\${  
p1231  
tp1232  
a(g100  
VSHARED\_WRKSRC  
p1233  
tp1234  
a(g138  
V}  
tp1235  
a(g6  
V/Modules  
p1236  
tp1237  
a(g6  
V\u000a  
p1238  
tp1239

a(g138  
V\${  
p1240  
tp1241  
a(g100  
VSED  
p1242  
tp1243  
a(g138  
V}  
tp1244  
a(g6  
V  
tp1245  
a(g6  
V-e  
p1246  
tp1247  
a(g6  
V  
tp1248  
a(g281  
V'1s,^.\*\$\$,#!\${PREFIX}/bin/\${PYTHON\_VERSION},'  
p1249  
tp1250  
a(g6  
V  
tp1251  
a(g262  
V\u005c\u000a  
p1252  
tp1253  
a(g6  
V  
p1254  
tp1255  
a(g138  
V\${  
p1256  
tp1257  
a(g100  
VPATCH\_WRKSRC  
p1258  
tp1259  
a(g138  
V}  
tp1260  
a(g6

V/Tools/scripts/pydoc

p1261

tp1262

a(g6

V

tp1263

a(g6

V>

tp1264

a(g6

V

tp1265

a(g138

V\${

p1266

tp1267

a(g100

VWRKDIR

p1268

tp1269

a(g138

V}

tp1270

a(g6

V/pydoc2.5

p1271

tp1272

a(g6

V\u000a

p1273

tp1274

a(g138

V\${

p1275

tp1276

a(g100

VSED

p1277

tp1278

a(g138

V}

tp1279

a(g6

V

tp1280

a(g6

V-e

p1281

tp1282  
a(g6  
V  
tp1283  
a(g281  
V'1s,^.\*\$\$,#!\${PREFIX}/bin/\${PYTHON\_VERSION},'  
p1284  
tp1285  
a(g6  
V  
tp1286  
a(g262  
V\u005c\u000a  
p1287  
tp1288  
a(g6  
V  
p1289  
tp1290  
a(g138  
V\${  
p1291  
tp1292  
a(g100  
VPATCH\_WRKSRC  
p1293  
tp1294  
a(g138  
V}  
tp1295  
a(g6  
V/Tools/scripts/idle  
p1296  
tp1297  
a(g6  
V  
tp1298  
a(g6  
V>  
tp1299  
a(g6  
V  
tp1300  
a(g138  
V\${  
p1301  
tp1302  
a(g100



VWRKDIR  
p1303  
tp1304  
a(g138  
V}  
tp1305  
a(g6  
V/idle2.5  
p1306  
tp1307  
a(g6  
V\u000a  
p1308  
tp1309  
a(g138  
V\${  
p1310  
tp1311  
a(g100  
VSED  
p1312  
tp1313  
a(g138  
V}  
tp1314  
a(g6  
V  
tp1315  
a(g6  
V-e  
p1316  
tp1317  
a(g6  
V  
tp1318  
a(g281  
V'1s,^.\*\$\$,#!\${PREFIX}/bin/\${PYTHON\_VERSION},'  
p1319  
tp1320  
a(g6  
V  
tp1321  
a(g262  
V\u0005c\u000a  
p1322  
tp1323  
a(g6  
V

p1324  
tp1325  
a(g138  
V\${  
p1326  
tp1327  
a(g100  
VPATCH\_WRKSRC  
p1328  
tp1329  
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tp1330  
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V/Lib/smtpd.py  
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V  
tp1333  
a(g6  
V>  
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VWRKDIR  
p1338  
tp1339  
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tp1340  
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V/smtpd2.5.py  
p1341  
tp1342  
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V\u000a  
p1343  
tp1344  
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V\${  
p1345

tp1346  
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VREINPLACE\_CMD  
p1347  
tp1348  
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V}  
tp1349  
a(g6  
V  
tp1350  
a(g6  
V-e  
p1351  
tp1352  
a(g6  
V  
tp1353  
a(g262  
V\u005c\u000a  
p1354  
tp1355  
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V  
p1356  
tp1357  
a(g281  
V's,/usr/doc/python-docs-,\${PREFIX}/share/doc/python,g'  
p1358  
tp1359  
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V  
tp1360  
a(g262  
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p1361  
tp1362  
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V  
p1363  
tp1364  
a(g138  
V\${  
p1365  
tp1366  
a(g100  
VPATCH\_WRKSRC  
p1367

tp1368  
a(g138  
V}  
tp1369  
a(g6  
V/Lib/pydoc.py  
p1370  
tp1371  
a(g6  
V\u000a  
p1372  
tp1373  
a(g138  
V\${  
p1374  
tp1375  
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VREINPLACE\_CMD  
p1376  
tp1377  
a(g138  
V}  
tp1378  
a(g6  
V  
tp1379  
a(g6  
V-e  
p1380  
tp1381  
a(g6  
V  
tp1382  
a(g262  
V\u005c\u000a  
p1383  
tp1384  
a(g6  
V  
p1385  
tp1386  
a(g281  
V's|\^)\u005c( \*prefixes = .\*\u005c)\u005c]\$\$\u005c1, "\${X11BASE}"]|g'  
p1387  
tp1388  
a(g6  
V  
tp1389

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V\u005c\u000a  
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tp1391  
a(g6  
V  
p1392  
tp1393  
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p1394  
tp1395  
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VPATCH\_WRKSRC  
p1396  
tp1397  
a(g138  
V}  
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a(g6  
V/Lib/site.py  
p1399  
tp1400  
a(g6  
V\u000a  
p1401  
tp1402  
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p1403  
tp1404  
a(g100  
VREINPLACE\_CMD  
p1405  
tp1406  
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V}  
tp1407  
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V  
tp1408  
a(g6  
V-e  
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tp1410  
a(g6  
V  
tp1411

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tp1413  
a(g6  
V  
p1414  
tp1415  
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V's|^ \u005c(..ASDLGEN.\*\u005c)\$| \${TRUE}|g'  
p1416  
tp1417  
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V  
tp1418  
a(g262  
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p1419  
tp1420  
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p1421  
tp1422  
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p1423  
tp1424  
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VPATCH\_WRKSRC  
p1425  
tp1426  
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V}  
tp1427  
a(g6  
V/Makefile.pre.in  
p1428  
tp1429  
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a(g138  
V\${  
p1432  
tp1433  
a(g100  
VREINPLACE\_CMD

p1434  
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V}  
tp1436  
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V  
tp1437  
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V-e  
p1438  
tp1439  
a(g6  
V  
tp1440  
a(g262  
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p1441  
tp1442  
a(g6  
V  
p1443  
tp1444  
a(g281  
V's|\*\u005c(..INSTALL\_SCRIPT.\*\u005c)python-config\$\$|#port \u005c1'  
p1445  
tp1446  
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V  
tp1447  
a(g262  
V\u005c\u000a  
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tp1449  
a(g6  
V  
p1450  
tp1451  
a(g138  
V\${  
p1452  
tp1453  
a(g100  
VPATCH\_WRKSRC  
p1454  
tp1455  
a(g138  
V}

tp1456  
a(g6  
V/Makefile.pre.in  
p1457  
tp1458  
a(g6  
V\u000a\u000a  
p1459  
tp1460  
a(g138  
V\${  
p1461  
tp1462  
a(g100  
VSED  
p1463  
tp1464  
a(g138  
V}  
tp1465  
a(g6  
V  
tp1466  
a(g6  
V-e  
p1467  
tp1468  
a(g6  
V  
tp1469  
a(g281  
V's|^#!.\*|#!\${PREFIX}/bin/\${PYTHON\_VERSION}''  
p1470  
tp1471  
a(g6  
V  
tp1472  
a(g262  
V\u0005c\u000a  
p1473  
tp1474  
a(g6  
V  
p1475  
tp1476  
a(g138  
V\${  
p1477



tp1478  
a(g100  
VPATCH\_WRKSRC  
p1479  
tp1480  
a(g138  
V}  
tp1481  
a(g6  
V/Misc/python-config.in  
p1482  
tp1483  
a(g6  
V  
tp1484  
a(g6  
V>  
tp1485  
a(g6  
V  
tp1486  
a(g138  
V\${  
p1487  
tp1488  
a(g100  
VWRKDIR  
p1489  
tp1490  
a(g138  
V}  
tp1491  
a(g6  
V/  
tp1492  
a(g138  
V\${  
p1493  
tp1494  
a(g100  
VPYTHON\_VERSION  
p1495  
tp1496  
a(g138  
V}  
tp1497  
a(g6  
V-config

p1498  
tp1499  
a(g6  
V\u000a  
p1500  
tp1501  
a(g138  
V\${  
p1502  
tp1503  
a(g100  
VSED  
p1504  
tp1505  
a(g138  
V}  
tp1506  
a(g6  
V  
tp1507  
a(g6  
V-e  
p1508  
tp1509  
a(g6  
V  
tp1510  
a(g281  
V's|^#!.\*|#!\${PREFIX}/bin/\${PYTHON\_VERSION:S/thon/thon-shared/}'  
p1511  
tp1512  
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V  
tp1513  
a(g262  
V\u0005c\u000a  
p1514  
tp1515  
a(g6  
V  
p1516  
tp1517  
a(g138  
V\${  
p1518  
tp1519  
a(g100  
VPATCH\_WRKSRC

p1520  
tp1521  
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V}  
tp1522  
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V/Misc/python-config.in  
p1523  
tp1524  
a(g6  
V  
tp1525  
a(g6  
V>  
tp1526  
a(g6  
V  
tp1527  
a(g138  
V\${  
p1528  
tp1529  
a(g100  
VWRKDIR  
p1530  
tp1531  
a(g138  
V}  
tp1532  
a(g6  
V/  
tp1533  
a(g138  
V\${  
p1534  
tp1535  
a(g100  
VPYTHON\_VERSION  
p1536  
tp1537  
a(g212  
V:  
tp1538  
a(g100  
VS  
tp1539  
a(g212  
V/thon/thon-shared/

p1540  
tp1541  
a(g138  
V}  
tp1542  
a(g6  
V-config  
p1543  
tp1544  
a(g6  
V\u000a\u000a  
p1545  
tp1546  
a(g27  
V.if defined(WITH\_FPECTL) && \${ARCH} == i386\u000a  
p1547  
tp1548  
a(g6  
V  
tp1549  
a(g138  
V\${  
p1550  
tp1551  
a(g100  
VMKDIR  
p1552  
tp1553  
a(g138  
V}  
tp1554  
a(g6  
V  
tp1555  
a(g138  
V\${  
p1556  
tp1557  
a(g100  
VWRKSRC  
p1558  
tp1559  
a(g138  
V}  
tp1560  
a(g6  
V/Modules  
p1561

tp1562  
a(g6  
V\u000a  
p1563  
tp1564  
a(g138  
V\${  
p1565  
tp1566  
a(g100  
VECHO  
p1567  
tp1568  
a(g138  
V}  
tp1569  
a(g6  
V  
tp1570  
a(g255  
V"fpectl fpectlmodule.c"  
p1571  
tp1572  
a(g6  
V  
tp1573  
a(g6  
V>>  
p1574  
tp1575  
a(g6  
V  
tp1576  
a(g138  
V\${  
p1577  
tp1578  
a(g100  
VWRKSRC  
p1579  
tp1580  
a(g138  
V}  
tp1581  
a(g6  
V/Modules/Setup.dist  
p1582  
tp1583

a(g6  
V\u000a  
tp1584  
a(g27  
V.endif\u000a  
p1585  
tp1586  
a(g6  
V\u000a  
tp1587  
a(g6  
Vpost-configure:  
p1588  
tp1589  
a(g6  
V\u000a  
p1590  
tp1591  
a(g138  
V\${  
p1592  
tp1593  
a(g100  
VTAR  
p1594  
tp1595  
a(g138  
V}  
tp1596  
a(g6  
V  
tp1597  
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V-C  
p1598  
tp1599  
a(g6  
V  
tp1600  
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V\${  
p1601  
tp1602  
a(g100  
VWRKSRC  
p1603  
tp1604  
a(g138

V}  
tp1605  
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V  
tp1606  
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V-cf  
p1607  
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V  
tp1609  
a(g6  
V-  
tp1610  
a(g6  
V  
tp1611  
a(g6  
V.  
tp1612  
a(g6  
V  
tp1613  
a(g6  
V|  
tp1614  
a(g6  
V  
tp1615  
a(g138  
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p1616  
tp1617  
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VTAR  
p1618  
tp1619  
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a(g6  
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tp1621  
a(g6  
V-C  
p1622  
tp1623

a(g6  
V  
tp1624  
a(g138  
V\${  
p1625  
tp1626  
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VSHARED\_WRKSR  
p1627  
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V}  
tp1629  
a(g6  
V  
tp1630  
a(g6  
V-xf  
p1631  
tp1632  
a(g6  
V  
tp1633  
a(g6  
V-  
tp1634  
a(g6  
V\u000a  
p1635  
tp1636  
a(g138  
V\${  
p1637  
tp1638  
a(g100  
VLN  
p1639  
tp1640  
a(g138  
V}  
tp1641  
a(g6  
V  
tp1642  
a(g6  
V-sf  
p1643



tp1644  
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V  
tp1645  
a(g138  
V\${  
p1646  
tp1647  
a(g100  
VPYTHON\_WRKSRC  
p1648  
tp1649  
a(g138  
V}  
tp1650  
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V/Lib  
p1651  
tp1652  
a(g6  
V  
tp1653  
a(g138  
V\${  
p1654  
tp1655  
a(g100  
VWRKSRC  
p1656  
tp1657  
a(g138  
V}  
tp1658  
a(g6  
V/Lib  
p1659  
tp1660  
a(g6  
V\u000a  
p1661  
tp1662  
a(g138  
V\${  
p1663  
tp1664  
a(g100  
VSED  
p1665

tp1666  
a(g138  
V}  
tp1667  
a(g6  
V  
tp1668  
a(g6  
V-e  
p1669  
tp1670  
a(g6  
V  
tp1671  
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V's,^\u005c(LDLIBRARY=\u005c).\*\$\$,\u005c1libpython\$\$(\$VERSION).so,'  
p1672  
tp1673  
a(g6  
V  
tp1674  
a(g262  
V\u005c\u000a  
p1675  
tp1676  
a(g6  
V  
p1677  
tp1678  
a(g6  
V-e  
p1679  
tp1680  
a(g6  
V  
tp1681  
a(g281  
V's,^\u005c(BLDLIBRARY=\u005c).\*\$\$,\u005c1-L. -lpython\$\$(\$VERSION),'  
p1682  
tp1683  
a(g6  
V  
tp1684  
a(g262  
V\u005c\u000a  
p1685  
tp1686  
a(g6

V  
p1687  
tp1688  
a(g6  
V-e  
p1689  
tp1690  
a(g6  
V  
tp1691  
a(g281  
V's,^\u005c(CFLAGSFORSHARED=\u005c).\*\$\$,\u005c1\$\$ (CCSHARED),'  
p1692  
tp1693  
a(g6  
V  
tp1694  
a(g262  
V\u005c\u000a  
p1695  
tp1696  
a(g6  
V  
p1697  
tp1698  
a(g6  
V-e  
p1699  
tp1700  
a(g6  
V  
tp1701  
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V's,^\u005c(Makefile Modules/config.c:.\*\u005c)Makefile.pre,\u005c1,'  
p1702  
tp1703  
a(g6  
V  
tp1704  
a(g262  
V\u005c\u000a  
p1705  
tp1706  
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V  
p1707  
tp1708  
a(g6

V-e  
p1709  
tp1710  
a(g6  
V  
tp1711  
a(g281  
V's,^\u005c(.BUILDPYTHON)\u005c:.\*\u005c).(LIBRARY),\u005c1,'  
p1712  
tp1713  
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V  
tp1714  
a(g262  
V\u005c\u000a  
p1715  
tp1716  
a(g6  
V  
p1717  
tp1718  
a(g6  
V-e  
p1719  
tp1720  
a(g6  
V  
tp1721  
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V's,^\u005c(.BUILDPYTHON):.\*\u005c).(LIBRARY),\u005c1,'  
p1722  
tp1723  
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V  
tp1724  
a(g262  
V\u005c\u000a  
p1725  
tp1726  
a(g6  
V  
p1727  
tp1728  
a(g138  
V\${  
p1729  
tp1730  
a(g100

VWRKSRRC  
p1731  
tp1732  
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V}  
tp1733  
a(g6  
V/Makefile  
p1734  
tp1735  
a(g6  
V  
tp1736  
a(g6  
V>  
tp1737  
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V  
tp1738  
a(g138  
V\${  
p1739  
tp1740  
a(g100  
VSHARED\_WRKSRRC  
p1741  
tp1742  
a(g138  
V}  
tp1743  
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V/Makefile  
p1744  
tp1745  
a(g6  
V\u000a\u000a  
p1746  
tp1747  
a(g6  
Vpre-build:  
p1748  
tp1749  
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V\u000a  
p1750  
tp1751  
a(g84  
Vcd

p1752  
tp1753  
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tp1754  
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p1755  
tp1756  
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VSHARED\_WRKSRC  
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V}  
tp1759  
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V;  
tp1760  
a(g6  
V  
tp1761  
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V\u005c\u000a  
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tp1763  
a(g6  
V  
tp1764  
a(g138  
V\${  
p1765  
tp1766  
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VSETENV  
p1767  
tp1768  
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V}  
tp1769  
a(g6  
V  
tp1770  
a(g138  
V\${  
p1771  
tp1772  
a(g100

VMAKE\_ENV

p1773

tp1774

a(g138

V}

tp1775

a(g6

V

tp1776

a(g138

V\${

p1777

tp1778

a(g100

VMAKE

p1779

tp1780

a(g138

V}

tp1781

a(g6

V

tp1782

a(g6

Vlib

p1783

tp1784

a(g138

V\${

p1785

tp1786

a(g100

VPYTHON\_VERSION

p1787

tp1788

a(g138

V}

tp1789

a(g6

V.so

p1790

tp1791

a(g6

V

tp1792

a(g6

Vpython;

p1793

tp1794  
a(g6  
V  
tp1795  
a(g262  
V\u005c\u000a  
p1796  
tp1797  
a(g6  
V  
tp1798  
a(g138  
V\${  
p1799  
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a(g100  
VLN  
p1801  
tp1802  
a(g138  
V}  
tp1803  
a(g6  
V  
tp1804  
a(g6  
V-f  
p1805  
tp1806  
a(g6  
V  
tp1807  
a(g6  
Vlib  
p1808  
tp1809  
a(g138  
V\${  
p1810  
tp1811  
a(g100  
VPYTHON\_VERSION  
p1812  
tp1813  
a(g138  
V}  
tp1814  
a(g6



V.so  
p1815  
tp1816  
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V  
tp1817  
a(g6  
Vlib  
p1818  
tp1819  
a(g138  
V\${  
p1820  
tp1821  
a(g100  
VPYTHON\_VERSION  
p1822  
tp1823  
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V}  
tp1824  
a(g6  
V.so.1;  
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a(g6  
V  
tp1827  
a(g262  
V\u005c\u000a  
p1828  
tp1829  
a(g6  
V  
tp1830  
a(g138  
V\${  
p1831  
tp1832  
a(g100  
VLN  
p1833  
tp1834  
a(g138  
V}  
tp1835  
a(g6  
V

tp1836  
a(g6  
V-f  
p1837  
tp1838  
a(g6  
V  
tp1839  
a(g6  
Vpython  
p1840  
tp1841  
a(g6  
V  
tp1842  
a(g138  
V\${  
p1843  
tp1844  
a(g100  
VPYTHON\_VERSION  
p1845  
tp1846  
a(g212  
V:  
tp1847  
a(g100  
VS  
tp1848  
a(g212  
V/thon/thon-shared/  
p1849  
tp1850  
a(g138  
V}  
tp1851  
a(g6  
V\u000a\u000a  
p1852  
tp1853  
a(g6  
Vpre-su-install:  
p1854  
tp1855  
a(g6  
V\u000a  
tp1856  
a(g27

V.for platform in \${PLATFORMS}\u000a

p1857

tp1858

a(g6

V

tp1859

a(g138

V\${

p1860

tp1861

a(g100

VMKDIR

p1862

tp1863

a(g138

V}

tp1864

a(g6

V

tp1865

a(g138

V\${

p1866

tp1867

a(g100

VPYTHONPREFIX\_LIBDIR

p1868

tp1869

a(g138

V}

tp1870

a(g6

V/

tp1871

a(g138

V\${

p1872

tp1873

a(g100

Vplatform

p1874

tp1875

a(g138

V}

tp1876

a(g6

V\u000a

tp1877

a(g27  
V.for file in IN.py regen\u000a  
p1878  
tp1879  
a(g6  
V  
tp1880  
a(g138  
V\${  
p1881  
tp1882  
a(g100  
VINSTALL\_DATA  
p1883  
tp1884  
a(g138  
V}  
tp1885  
a(g6  
V  
tp1886  
a(g138  
V\${  
p1887  
tp1888  
a(g100  
VWRKSRC  
p1889  
tp1890  
a(g138  
V}  
tp1891  
a(g6  
V/Lib/  
p1892  
tp1893  
a(g138  
V\${  
p1894  
tp1895  
a(g100  
Vplatform  
p1896  
tp1897  
a(g138  
V}  
tp1898  
a(g6

V/  
tp1899  
a(g138  
V\${  
p1900  
tp1901  
a(g100  
Vfile  
p1902  
tp1903  
a(g138  
V}  
tp1904  
a(g6  
V  
tp1905  
a(g262  
V\u005c\u000a  
p1906  
tp1907  
a(g6  
V  
p1908  
tp1909  
a(g138  
V\${  
p1910  
tp1911  
a(g100  
VPYTHONPREFIX\_LIBDIR  
p1912  
tp1913  
a(g138  
V}  
tp1914  
a(g6  
V/  
tp1915  
a(g138  
V\${  
p1916  
tp1917  
a(g100  
Vplatform  
p1918  
tp1919  
a(g138  
V}

tp1920  
a(g6  
V/  
tp1921  
a(g6  
V\u000a  
tp1922  
a(g27  
V.endfor\u000a  
p1923  
tp1924  
a(g6  
V  
tp1925  
a(g27  
V.endfor\u000a  
p1926  
tp1927  
a(g6  
V\u000a  
tp1928  
a(g6  
Vpre-install:  
p1929  
tp1930  
a(g6  
V\u000a  
p1931  
tp1932  
a(g138  
V\${  
p1933  
tp1934  
a(g100  
VCAT  
p1935  
tp1936  
a(g138  
V}  
tp1937  
a(g6  
V  
tp1938  
a(g138  
V\${  
p1939  
tp1940  
a(g100

VPLIST\_TEMPLATE

p1941

tp1942

a(g138

V}

tp1943

a(g6

V

tp1944

a(g6

V|

tp1945

a(g6

V

tp1946

a(g138

V\${

p1947

tp1948

a(g100

VAWK

p1949

tp1950

a(g138

V}

tp1951

a(g6

V

tp1952

a(g281

V'{ print \$\$0; } \u005c\u000a /LIBDIR.\*\u005c.py\$\$/ && !\u005c/bad/ { print \$\$0 "o"; print \$\$0 "c"; }'

p1953

tp1954

a(g6

V

tp1955

a(g6

V>

tp1956

a(g6

V

tp1957

a(g138

V\${

p1958

tp1959

a(g100

VPLIST

p1960  
tp1961  
a(g138  
V}  
tp1962  
a(g6  
V\u000a\u000a  
p1963  
tp1964  
a(g24  
V @# if openssl 0.9.8 is detected, \_sha{256,512} module won't be installed\u000a  
p1965  
tp1966  
a(g6  
V  
tp1967  
a(g353  
V(  
tp1968  
a(g353  
V[  
tp1969  
a(g6  
V  
tp1970  
a(g6  
V-f  
p1971  
tp1972  
a(g6  
V  
tp1973  
a(g138  
V\${  
p1974  
tp1975  
a(g100  
VWRKSRC  
p1976  
tp1977  
a(g138  
V}  
tp1978  
a(g6  
V/.without\_own\_sha  
p1979  
tp1980  
a(g6



V  
tp1981  
a(g353  
V]  
tp1982  
a(g6  
V  
tp1983  
a(g353  
V&&  
p1984  
tp1985  
a(g6  
V  
tp1986  
a(g262  
V\u005c\u000a  
p1987  
tp1988  
a(g6  
V  
p1989  
tp1990  
a(g138  
V\${  
p1991  
tp1992  
a(g100  
VGREP  
p1993  
tp1994  
a(g138  
V}  
tp1995  
a(g6  
V  
tp1996  
a(g6  
V-v  
p1997  
tp1998  
a(g6  
V  
tp1999  
a(g281  
V'lib-dynload/\_sha'  
p2000  
tp2001

a(g6  
V  
tp2002  
a(g138  
V\${  
p2003  
tp2004  
a(g100  
VPLIST  
p2005  
tp2006  
a(g138  
V}  
tp2007  
a(g6  
V  
tp2008  
a(g6  
V>  
tp2009  
a(g6  
V  
tp2010  
a(g138  
V\${  
p2011  
tp2012  
a(g100  
VPLIST  
p2013  
tp2014  
a(g138  
V}  
tp2015  
a(g6  
V.tmp  
p2016  
tp2017  
a(g6  
V  
tp2018  
a(g353  
V&&  
p2019  
tp2020  
a(g6  
V  
tp2021

a(g262  
V\u005c\u000a  
p2022  
tp2023  
a(g6  
V  
p2024  
tp2025  
a(g138  
V\${  
p2026  
tp2027  
a(g100  
VCAT  
p2028  
tp2029  
a(g138  
V}  
tp2030  
a(g6  
V  
tp2031  
a(g138  
V\${  
p2032  
tp2033  
a(g100  
VPLIST  
p2034  
tp2035  
a(g138  
V}  
tp2036  
a(g6  
V.tmp  
p2037  
tp2038  
a(g6  
V  
tp2039  
a(g6  
V>  
tp2040  
a(g6  
V  
tp2041  
a(g138  
V\${

p2042  
tp2043  
a(g100  
VPLIST  
p2044  
tp2045  
a(g138  
V}  
tp2046  
a(g353  
V)  
tp2047  
a(g6  
V  
tp2048  
a(g353  
V||  
p2049  
tp2050  
a(g6  
V  
tp2051  
a(g138  
V\${  
p2052  
tp2053  
a(g100  
VTRUE  
p2054  
tp2055  
a(g138  
V}  
tp2056  
a(g6  
V\u000a\u000a  
p2057  
tp2058  
a(g6  
Vpost-install:  
p2059  
tp2060  
a(g6  
V\u000a  
tp2061  
a(g24  
V @# install config providers\u000a  
p2062  
tp2063

a(g6  
V  
tp2064  
a(g138  
V\${  
p2065  
tp2066  
a(g100  
VINSTALL\_SCRIPT  
p2067  
tp2068  
a(g138  
V}  
tp2069  
a(g6  
V  
tp2070  
a(g138  
V\${  
p2071  
tp2072  
a(g100  
VWRKDIR  
p2073  
tp2074  
a(g138  
V}  
tp2075  
a(g6  
V/  
tp2076  
a(g138  
V\${  
p2077  
tp2078  
a(g100  
VPYTHON\_VERSION  
p2079  
tp2080  
a(g138  
V}  
tp2081  
a(g6  
V-config  
p2082  
tp2083  
a(g6  
V

tp2084  
a(g138  
V\${  
p2085  
tp2086  
a(g100  
VPREFIX  
p2087  
tp2088  
a(g138  
V}  
tp2089  
a(g6  
V/bin  
p2090  
tp2091  
a(g6  
V\u000a  
p2092  
tp2093  
a(g138  
V\${  
p2094  
tp2095  
a(g100  
VINSTALL\_SCRIPT  
p2096  
tp2097  
a(g138  
V}  
tp2098  
a(g6  
V  
tp2099  
a(g138  
V\${  
p2100  
tp2101  
a(g100  
VWRKDIR  
p2102  
tp2103  
a(g138  
V}  
tp2104  
a(g6  
V/  
tp2105

a(g138  
V\${  
p2106  
tp2107  
a(g100  
VPYTHON\_VERSION  
p2108  
tp2109  
a(g212  
V:  
tp2110  
a(g100  
VS  
tp2111  
a(g212  
V/thon/thon-shared/  
p2112  
tp2113  
a(g138  
V}  
tp2114  
a(g6  
V-config  
p2115  
tp2116  
a(g6  
V  
tp2117  
a(g138  
V\${  
p2118  
tp2119  
a(g100  
VPREFIX  
p2120  
tp2121  
a(g138  
V}  
tp2122  
a(g6  
V/bin  
p2123  
tp2124  
a(g6  
V\u000a\u000a  
p2125  
tp2126  
a(g24

V @# shared version of executable and library\u000a

p2127

tp2128

a(g6

V

tp2129

a(g138

V\${

p2130

tp2131

a(g100

VINSTALL\_PROGRAM

p2132

tp2133

a(g138

V}

tp2134

a(g6

V

tp2135

a(g138

V\${

p2136

tp2137

a(g100

VSHARED\_WRKSRC

p2138

tp2139

a(g138

V}

tp2140

a(g6

V/lib

p2141

tp2142

a(g138

V\${

p2143

tp2144

a(g100

VPYTHON\_VERSION

p2145

tp2146

a(g138

V}

tp2147

a(g6

V.so.1



p2148  
tp2149  
a(g6  
V  
tp2150  
a(g262  
V\u005c\u000a  
p2151  
tp2152  
a(g6  
V  
p2153  
tp2154  
a(g138  
V\${  
p2155  
tp2156  
a(g100  
VPREFIX  
p2157  
tp2158  
a(g138  
V}  
tp2159  
a(g6  
V/lib  
p2160  
tp2161  
a(g6  
V\u000a  
p2162  
tp2163  
a(g84  
Vcd  
p2164  
tp2165  
a(g6  
V  
tp2166  
a(g138  
V\${  
p2167  
tp2168  
a(g100  
VPREFIX  
p2169  
tp2170  
a(g138

V}  
tp2171  
a(g6  
V/lib;  
p2172  
tp2173  
a(g6  
V  
tp2174  
a(g138  
V\${  
p2175  
tp2176  
a(g100  
VLN  
p2177  
tp2178  
a(g138  
V}  
tp2179  
a(g6  
V  
tp2180  
a(g6  
V-sf  
p2181  
tp2182  
a(g6  
V  
tp2183  
a(g6  
Vlib  
p2184  
tp2185  
a(g138  
V\${  
p2186  
tp2187  
a(g100  
VPYTHON\_VERSION  
p2188  
tp2189  
a(g138  
V}  
tp2190  
a(g6  
V.so.1  
p2191

tp2192  
a(g6  
V  
tp2193  
a(g262  
V\u005c\u000a  
p2194  
tp2195  
a(g6  
V  
p2196  
tp2197  
a(g6  
Vlib  
p2198  
tp2199  
a(g138  
V\${  
p2200  
tp2201  
a(g100  
VPYTHON\_VERSION  
p2202  
tp2203  
a(g138  
V}  
tp2204  
a(g6  
V.so  
p2205  
tp2206  
a(g6  
V\u000a  
p2207  
tp2208  
a(g138  
V\${  
p2209  
tp2210  
a(g100  
VLN  
p2211  
tp2212  
a(g138  
V}  
tp2213  
a(g6  
V

tp2214  
a(g6  
V-sf  
p2215  
tp2216  
a(g6  
V  
tp2217  
a(g138  
V\${  
p2218  
tp2219  
a(g100  
VPREFIX  
p2220  
tp2221  
a(g138  
V}  
tp2222  
a(g6  
V/lib/lib  
p2223  
tp2224  
a(g138  
V\${  
p2225  
tp2226  
a(g100  
VPYTHON\_VERSION  
p2227  
tp2228  
a(g138  
V}  
tp2229  
a(g6  
V.so  
p2230  
tp2231  
a(g6  
V  
tp2232  
a(g138  
V\${  
p2233  
tp2234  
a(g100  
VPYTHONPREFIX\_LIBDIR  
p2235

tp2236  
a(g138  
V}  
tp2237  
a(g6  
V/config  
p2238  
tp2239  
a(g6  
V\u000a  
p2240  
tp2241  
a(g138  
V\${  
p2242  
tp2243  
a(g100  
VINSTALL\_PROGRAM  
p2244  
tp2245  
a(g138  
V}  
tp2246  
a(g6  
V  
tp2247  
a(g262  
V\u005c\u000a  
p2248  
tp2249  
a(g6  
V  
p2250  
tp2251  
a(g138  
V\${  
p2252  
tp2253  
a(g100  
VSHARED\_WRKSRC  
p2254  
tp2255  
a(g138  
V}  
tp2256  
a(g6  
V/  
tp2257

a(g138  
V\${  
p2258  
tp2259  
a(g100  
VPYTHON\_VERSION  
p2260  
tp2261  
a(g212  
V:  
tp2262  
a(g100  
VS  
tp2263  
a(g212  
V/thon/thon-shared/  
p2264  
tp2265  
a(g138  
V}  
tp2266  
a(g6  
V  
tp2267  
a(g262  
V\u005c\u000a  
p2268  
tp2269  
a(g6  
V  
p2270  
tp2271  
a(g138  
V\${  
p2272  
tp2273  
a(g100  
VPREFIX  
p2274  
tp2275  
a(g138  
V}  
tp2276  
a(g6  
V/bin  
p2277  
tp2278  
a(g6

V\u000a\u000a  
p2279  
tp2280  
a(g24  
V @# additional files installing by ports\u000a  
p2281  
tp2282  
a(g6  
V  
tp2283  
a(g138  
V\${  
p2284  
tp2285  
a(g100  
VINSTALL\_SCRIPT  
p2286  
tp2287  
a(g138  
V}  
tp2288  
a(g6  
V  
tp2289  
a(g138  
V\${  
p2290  
tp2291  
a(g100  
VWRKDIR  
p2292  
tp2293  
a(g138  
V}  
tp2294  
a(g6  
V/pydoc2.5  
p2295  
tp2296  
a(g6  
V  
tp2297  
a(g138  
V\${  
p2298  
tp2299  
a(g100  
VWRKDIR

p2300  
tp2301  
a(g138  
V}  
tp2302  
a(g6  
V/idle2.5  
p2303  
tp2304  
a(g6  
V  
tp2305  
a(g262  
V\u005c\u000a  
p2306  
tp2307  
a(g6  
V  
p2308  
tp2309  
a(g138  
V\${  
p2310  
tp2311  
a(g100  
VWRKDIR  
p2312  
tp2313  
a(g138  
V}  
tp2314  
a(g6  
V/smtpd2.5.py  
p2315  
tp2316  
a(g6  
V  
tp2317  
a(g138  
V\${  
p2318  
tp2319  
a(g100  
VPREFIX  
p2320  
tp2321  
a(g138  
V}



tp2322  
a(g6  
V/bin  
p2323  
tp2324  
a(g6  
V\u000a  
p2325  
tp2326  
a(g6  
V@  
tp2327  
a(g138  
V\${  
p2328  
tp2329  
a(g100  
VMKDIR  
p2330  
tp2331  
a(g138  
V}  
tp2332  
a(g6  
V  
tp2333  
a(g138  
V\${  
p2334  
tp2335  
a(g100  
VMANPREFIX  
p2336  
tp2337  
a(g138  
V}  
tp2338  
a(g6  
V/man/man1  
p2339  
tp2340  
a(g6  
V\u000a  
p2341  
tp2342  
a(g138  
V\${  
p2343

tp2344  
a(g100  
VINSTALL\_MAN  
p2345  
tp2346  
a(g138  
V}  
tp2347  
a(g6  
V  
tp2348  
a(g138  
V\${  
p2349  
tp2350  
a(g100  
VPYTHON\_WRKSRC  
p2351  
tp2352  
a(g138  
V}  
tp2353  
a(g6  
V/Misc/python.man  
p2354  
tp2355  
a(g6  
V  
tp2356  
a(g262  
V\u005c\u000a  
p2357  
tp2358  
a(g6  
V  
p2359  
tp2360  
a(g138  
V\${  
p2361  
tp2362  
a(g100  
VMANPREFIX  
p2363  
tp2364  
a(g138  
V}  
tp2365

a(g6  
V/man/man1/  
p2366  
tp2367  
a(g138  
V\${  
p2368  
tp2369  
a(g100  
VPYTHON\_VERSION  
p2370  
tp2371  
a(g138  
V}  
tp2372  
a(g6  
V.1  
p2373  
tp2374  
a(g6  
V\u000a\u000a  
p2375  
tp2376  
a(g27  
V.if \${PYTHON\_VERSION} == \${PYTHON\_DEFAULT\_VERSION}\u000a  
p2377  
tp2378  
a(g6  
V  
tp2379  
a(g138  
Vfor  
p2380  
tp2381  
a(g6  
Vf  
tp2382  
a(g6  
V  
tp2383  
a(g6  
Vin  
p2384  
tp2385  
a(g6  
V  
tp2386  
a(g138

V\${  
p2387  
tp2388  
a(g100  
VBIN\_SCRIPTS  
p2389  
tp2390  
a(g138  
V}  
tp2391  
a(g6  
V;  
tp2392  
a(g6  
V  
tp2393  
a(g138  
Vdo  
p2394  
tp2395  
a(g6  
V  
tp2396  
a(g262  
V\u005c\u000a  
p2397  
tp2398  
a(g6  
V  
p2399  
tp2400  
a(g100  
VTARGET  
p2401  
tp2402  
a(g353  
V=  
tp2403  
a(g274  
V`  
tp2404  
a(g138  
V\${  
p2405  
tp2406  
a(g100  
VECHO\_CMD  
p2407

tp2408  
a(g138  
V}  
tp2409  
a(g6  
V  
tp2410  
a(g100  
V\$\$  
p2411  
tp2412  
a(g6  
Vf  
tp2413  
a(g6  
V  
tp2414  
a(g6  
V|  
tp2415  
a(g6  
V  
tp2416  
a(g138  
V\${  
p2417  
tp2418  
a(g100  
VSED  
p2419  
tp2420  
a(g138  
V}  
tp2421  
a(g6  
V  
tp2422  
a(g6  
V-E  
p2423  
tp2424  
a(g6  
V  
tp2425  
a(g138  
V\${  
p2426  
tp2427

a(g100  
VBINLINKS\_SUB  
p2428  
tp2429  
a(g138  
V}  
tp2430  
a(g274  
V`  
tp2431  
a(g6  
V;  
tp2432  
a(g6  
V  
tp2433  
a(g262  
V\u005c\u000a  
p2434  
tp2435  
a(g6  
V  
p2436  
tp2437  
a(g84  
Vcd  
p2438  
tp2439  
a(g6  
V  
tp2440  
a(g138  
V\${  
p2441  
tp2442  
a(g100  
VPREFIX  
p2443  
tp2444  
a(g138  
V}  
tp2445  
a(g6  
V/bin  
p2446  
tp2447  
a(g6  
V

tp2448  
a(g353  
V&&  
p2449  
tp2450  
a(g6  
V  
tp2451  
a(g138  
V\${  
p2452  
tp2453  
a(g100  
VLN  
p2454  
tp2455  
a(g138  
V}  
tp2456  
a(g6  
V  
tp2457  
a(g6  
V-f  
p2458  
tp2459  
a(g6  
V  
tp2460  
a(g100  
V\$\$  
p2461  
tp2462  
a(g6  
VTARGET  
p2463  
tp2464  
a(g6  
V  
tp2465  
a(g100  
V\$\$  
p2466  
tp2467  
a(g6  
Vf;  
p2468  
tp2469

a(g6  
V  
tp2470  
a(g262  
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p2471  
tp2472  
a(g6  
V  
tp2473  
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Vdone  
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V\u000a  
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a(g27  
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p2477  
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V\u000a  
tp2479  
a(g27  
V.if !defined(NOPORTDOCS)\u000a  
p2480  
tp2481  
a(g6  
V  
tp2482  
a(g6  
V@  
tp2483  
a(g138  
V\${  
p2484  
tp2485  
a(g100  
VMKDIR  
p2486  
tp2487  
a(g138  
V}  
tp2488  
a(g6  
V  
tp2489



a(g138  
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p2490  
tp2491  
a(g100  
VTOOLS DIR  
p2492  
tp2493  
a(g138  
V}  
tp2494  
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V\u000a  
p2495  
tp2496  
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V@cd  
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tp2498  
a(g6  
V  
tp2499  
a(g138  
V\${  
p2500  
tp2501  
a(g100  
VPYTHON\_WRKSRC  
p2502  
tp2503  
a(g138  
V}  
tp2504  
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V;  
tp2505  
a(g6  
V  
tp2506  
a(g138  
V\${  
p2507  
tp2508  
a(g100  
VTAR  
p2509  
tp2510  
a(g138

V}  
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V  
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V-  
tp2516  
a(g6  
V  
tp2517  
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VTools  
p2518  
tp2519  
a(g6  
V  
tp2520  
a(g6  
V|  
tp2521  
a(g6  
V  
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p2523  
tp2524  
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p2525  
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tp2527  
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p2528  
tp2529  
a(g6  
V

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V\${  
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VTOOLS DIR  
p2533  
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a(g138  
V}  
tp2535  
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V;  
tp2536  
a(g6  
V  
tp2537  
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tp2539  
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VTAR  
p2540  
tp2541  
a(g138  
V}  
tp2542  
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V  
tp2543  
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tp2545  
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V  
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V-  
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V}  
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tp2561  
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V}  
tp2562  
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tp2569  
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p2570  
tp2571

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V/Demo;  
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a(g6  
V  
tp2575  
a(g138  
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p2576  
tp2577  
a(g100  
VTAR  
p2578  
tp2579  
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V}  
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V-  
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tp2586  
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V\*  
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V  
tp2588  
a(g6  
V|  
tp2589  
a(g6  
V

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tp2604  
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V}  
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V  
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V-  
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V)  
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tp2617  
a(g27  
V.endif\u000a  
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tp2619  
a(g6  
V\u000a  
p2620  
tp2621  
a(g6  
V@  
tp2622  
a(g138  
V\${  
p2623  
tp2624  
a(g100  
VCAT  
p2625  
tp2626  
a(g138  
V}  
tp2627  
a(g6  
V  
tp2628  
a(g138  
V\${  
p2629  
tp2630  
a(g100

VPKGMESAGE

p2631

tp2632

a(g138

V}

tp2633

a(g6

V\u000a\u000a

p2634

tp2635

a(g27

V.include <bsd.port.post.mk>\u000a

p2636

tp2637

a(g6

V

tp2638

a.

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## 1.970 python-rhsm 1.1.8 :1.e16

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# Major enhancements and refactoring by:

# Jim Fulton

# Edward Loper

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## 1.980 qs 0.4.2

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## 1.982 query-string 2.4.2

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## 1.1030 Scala-parser-combinators\_2.11 1.0.1

# 1.1031 Scala-reflect 2.11.1

# 1.1032 Scala-stm\_2.11 0.7

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## 1.1035 select2 3.5.1

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# 1.1044 ServiceLocator Default

## Implementation 2.4.0-b06

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\*/

```
package javax.servlet.jsp.tagext;
```

```
import java.io.Reader;  
import java.io.Writer;  
import java.io.IOException;  
import javax.servlet.jsp.*;
```

```
/**
```

```
* A JspWriter subclass that can be used to process body evaluations  
* so they can re-extracted later on.
```

```
*/
```

```
public abstract class BodyContent extends JspWriter {
```

```
    /**
```

```
     * Protected constructor.
```

```
     *
```

```
     * Unbounded buffer, no autoflushing.
```

```
    */
```

```
    protected BodyContent(JspWriter e) {  
        super(UNBOUNDED_BUFFER, false);  
        this.enclosingWriter = e;  
    }
```

```
    /**
```

```
     * Redefine flush().
```

```
     * It is not valid to flush.
```

```
    */
```

```
    public void flush() throws IOException {  
        throw new IOException("Illegal to flush within a custom tag");  
    }
```

```
    /**
```

```
     * Clear the body.
```

```

*/

public void clearBody() {
try {
    this.clear();
} catch (IOException ex) {
    // TODO -- clean this one up.
    throw new Error("internal error!");
}
}

/**
 * Return the value of this BodyContent as a Reader.
 * Note: this is after evaluation!! There are no scriptlets,
 * etc in this stream.
 *
 * @returns the value of this BodyContent as a Reader
 */
public abstract Reader getReader();

/**
 * Return the value of the BodyContent as a String.
 * Note: this is after evaluation!! There are no scriptlets,
 * etc in this stream.
 *
 * @returns the value of the BodyContent as a String
 */
public abstract String getString();

/**
 * Write the contents of this BodyContent into a Writer.
 * Subclasses are likely to do interesting things with the
 * implementation so some things are extra efficient.
 *
 * @param out The writer into which to place the contents of
 * this body evaluation
 */

public abstract void writeOut(Writer out) throws IOException;

/**
 * Get the enclosing JspWriter
 *
 * @returns the enclosing JspWriter passed at construction time
 */

public JspWriter getEnclosingWriter() {
return enclosingWriter;
}

```

```
}

/**
 * private fields
 */

private JspWriter enclosingWriter;
}
```

## 1.1046 set-immediate-shim 1.0.1

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```
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```

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## 1.1048 setserial 2.17 :25.e16

### 1.1048.1 Available under license :

```
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# Attempt to guess a canonical system name.
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# Written by Per Bothner <bothner@cygnus.com>.
# The master version of this file is at the FSF in /home/gd/gnu/lib.
#
```

```
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# The plan is that this can be called by configure scripts if you
# don't specify an explicit system type (host/target name).
#
# Only a few systems have been added to this list; please add others
# (but try to keep the structure clean).
#
#! /bin/sh
#
# install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
#
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#
# Calling this script install-sh is preferred over install.sh, to prevent
# 'make' implicit rules from creating a file called install from it
# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
# from scratch.
#
/*
* include/linux/serial.h
*
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```

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Doug Gilbert

4th January 2009

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## 1.1051 shadow-utils 4.1.4.2 :13.el6

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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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## 1.1056 sigmund 1.0.1

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## 1.1057 signal-exit 2.1.2

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# 1.1058 signpost-commonshttp4 1.2.1.2

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\*/

```
package oauth.signpost.commonshhttp;
```

```
import java.io.IOException;
```

```
import oauth.signpost.AbstractOAuthProvider;
```

```
import oauth.signpost.http.HttpRequest;
```

```
import org.apache.http.HttpEntity;
```

```
import org.apache.http.HttpResponse;
```

```
import org.apache.http.client.HttpClient;
```

```
import org.apache.http.client.methods.HttpPost;
```

```
import org.apache.http.client.methods.HttpUriRequest;
```

```
import org.apache.http.impl.client.DefaultHttpClient;
```

/\*\*

\* This implementation uses the Apache Commons { @link HttpClient } 4.x HTTP  
\* implementation to fetch OAuth tokens from a service provider. Android users  
\* should use this provider implementation in favor of the default one, since  
\* the latter is known to cause problems with Android's Apache Harmony  
\* underpinnings.

```

*
* @author Matthias Kaeppler
*/
public class CommonsHttpOAuthProvider extends AbstractOAuthProvider {

    private static final long serialVersionUID = 1L;

    private transient HttpClient httpClient;

    public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl,
        String authorizationWebsiteUrl) {
        super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
        this.httpClient = new DefaultHttpClient();
    }

    public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl,
        String authorizationWebsiteUrl, HttpClient httpClient) {
        super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
        this.httpClient = httpClient;
    }

    public void setHttpClient(HttpClient httpClient) {
        this.httpClient = httpClient;
    }

    @Override
    protected HttpRequest createRequest(String endpointUrl) throws Exception {
        HttpPost request = new HttpPost(endpointUrl);
        return new HttpRequestAdapter(request);
    }

    @Override
    protected oauth.signpost.http.HttpResponse sendRequest(HttpRequest request) throws Exception {
        HttpResponse response = httpClient.execute((HttpRequest) request.unwrap());
        return new HttpResponseAdapter(response);
    }

    @Override
    protected void closeConnection(HttpRequest request, oauth.signpost.http.HttpResponse response)
        throws Exception {
        if (response != null) {
            HttpEntity entity = ((HttpResponse) response.unwrap()).getEntity();
            if (entity != null) {
                try {
                    // free the connection
                    entity.consumeContent();
                } catch (IOException e) {
                    // this means HTTP keep-alive is not possible
                }
            }
        }
    }
}

```

```
        e.printStackTrace();
    }
}
}
}
```

# 1.1059 signpost-core 1.2.1.2

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\*/

package oauth.signpost;

import java.io.IOException;

import java.io.InputStream;

import java.util.Random;

import oauth.signpost.basic.UrlStringRequestAdapter;

import oauth.signpost.exception.OAuthCommunicationException;

import oauth.signpost.exception.OAuthExpectationFailedException;

import oauth.signpost.exception.OAuthMessageSignerException;

import oauth.signpost.http.HttpParameters;

import oauth.signpost.http.HttpRequest;

import oauth.signpost.signature.AuthorizationHeaderSigningStrategy;

import oauth.signpost.signature.HmacSha1MessageSigner;

```

import oauth.signpost.signature.OAuthMessageSigner;
import oauth.signpost.signature.QueryStringSigningStrategy;
import oauth.signpost.signature.SigningStrategy;

/**
 * ABC for consumer implementations. If you're developing a custom consumer you
 * will probably inherit from this class to save you a lot of work.
 *
 * @author Matthias Kaeppler
 */
public abstract class AbstractOAuthConsumer implements OAuthConsumer {

    private static final long serialVersionUID = 1L;

    private String consumerKey, consumerSecret;

    private String token;

    private OAuthMessageSigner messageSigner;

    private SigningStrategy signingStrategy;

    // these are params that may be passed to the consumer directly (i.e.
    // without going through the request object)
    private HttpParameters additionalParameters;

    // these are the params which will be passed to the message signer
    private HttpParameters requestParameters;

    private boolean sendEmptyTokens;

    final private Random random = new Random(System.nanoTime());

    public AbstractOAuthConsumer(String consumerKey, String consumerSecret) {
        this.consumerKey = consumerKey;
        this.consumerSecret = consumerSecret;
        setMessageSigner(new HmacSha1MessageSigner());
        setSigningStrategy(new AuthorizationHeaderSigningStrategy());
    }

    public void setMessageSigner(OAuthMessageSigner messageSigner) {
        this.messageSigner = messageSigner;
        messageSigner.setConsumerSecret(consumerSecret);
    }

    public void setSigningStrategy(SigningStrategy signingStrategy) {
        this.signingStrategy = signingStrategy;
    }
}

```



```

public void setAdditionalParameters(HttpParameters additionalParameters) {
    this.additionalParameters = additionalParameters;
}

public synchronized HttpRequest sign(HttpRequest request) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    if (consumerKey == null) {
        throw new OAuthExpectationFailedException("consumer key not set");
    }
    if (consumerSecret == null) {
        throw new OAuthExpectationFailedException("consumer secret not set");
    }

    requestParameters = new HttpParameters();
    try {
        if (additionalParameters != null) {
            requestParameters.putAll(additionalParameters, false);
        }
        collectHeaderParameters(request, requestParameters);
        collectQueryParameters(request, requestParameters);
        collectBodyParameters(request, requestParameters);

        // add any OAuth params that haven't already been set
        completeOAuthParameters(requestParameters);

        requestParameters.remove(OAuth.OAUTH_SIGNATURE);

    } catch (IOException e) {
        throw new OAuthCommunicationException(e);
    }

    String signature = messageSigner.sign(request, requestParameters);
    OAuth.debugOut("signature", signature);

    signingStrategy.writeSignature(signature, request, requestParameters);
    OAuth.debugOut("Request URL", request.getRequestUrl());

    return request;
}

public synchronized HttpRequest sign(Object request) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    return sign(wrap(request));
}

public synchronized String sign(String url) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {

```

```

HttpRequest request = new UrlStringRequestAdapter(url);

// switch to URL signing
SigningStrategy oldStrategy = this.signingStrategy;
this.signingStrategy = new QueryStringSigningStrategy();

sign(request);

// revert to old strategy
this.signingStrategy = oldStrategy;

return request.getRequestUrl();
}

/**
 * Adapts the given request object to a Signpost { @link HttpRequest }. How
 * this is done depends on the consumer implementation.
 *
 * @param request
 *     the native HTTP request instance
 * @return the adapted request
 */
protected abstract HttpRequest wrap(Object request);

public void setTokenWithSecret(String token, String tokenSecret) {
    this.token = token;
    messageSigner.setTokenSecret(tokenSecret);
}

public String getToken() {
    return token;
}

public String getTokenSecret() {
    return messageSigner.getTokenSecret();
}

public String getConsumerKey() {
    return this.consumerKey;
}

public String getConsumerSecret() {
    return this.consumerSecret;
}

/**
 * <p>
 * Helper method that adds any OAuth parameters to the given request

```

```

* parameters which are missing from the current request but required for
* signing. A good example is the oauth_nonce parameter, which is typically
* not provided by the client in advance.
* </p>
* <p>
* It's probably not a very good idea to override this method. If you want
* to generate different nonces or timestamps, override
* {@link #generateNonce()} or {@link #generateTimestamp()} instead.
* </p>
*
* @param out
*     the request parameter which should be completed
*/
protected void completeOAuthParameters(HttpParameters out) {
    if (!out.containsKey(OAuth.OAUTH_CONSUMER_KEY)) {
        out.put(OAuth.OAUTH_CONSUMER_KEY, consumerKey, true);
    }
    if (!out.containsKey(OAuth.OAUTH_SIGNATURE_METHOD)) {
        out.put(OAuth.OAUTH_SIGNATURE_METHOD, messageSigner.getSignatureMethod(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_TIMESTAMP)) {
        out.put(OAuth.OAUTH_TIMESTAMP, generateTimestamp(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_NONCE)) {
        out.put(OAuth.OAUTH_NONCE, generateNonce(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_VERSION)) {
        out.put(OAuth.OAUTH_VERSION, OAuth.VERSION_1_0, true);
    }
    if (!out.containsKey(OAuth.OAUTH_TOKEN)) {
        if (token != null && !token.equals("") || sendEmptyTokens) {
            out.put(OAuth.OAUTH_TOKEN, token, true);
        }
    }
}

public HttpParameters getRequestParameters() {
    return requestParameters;
}

public void setSendEmptyTokens(boolean enable) {
    this.sendEmptyTokens = enable;
}

/**
 * Collects OAuth Authorization header parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */

```

```

protected void collectHeaderParameters(HttpServletRequest request, HttpParameters out) {
    HttpParameters headerParams =
OAuth.oauthHeaderToParamsMap(request.getHeader(OAuth.HTTP_AUTHORIZATION_HEADER));
    out.putAll(headerParams, false);
}

/**
 * Collects x-www-form-urlencoded body parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectBodyParameters(HttpServletRequest request, HttpParameters out)
    throws IOException {

    // collect x-www-form-urlencoded body params
    String contentType = request.getContentType();
    if (contentType != null && contentType.startsWith(OAuth.FORM_ENCODED)) {
        InputStream payload = request.getMessagePayload();
        out.putAll(OAuth.decodeForm(payload), true);
    }
}

/**
 * Collects HTTP GET query string parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectQueryParameters(HttpServletRequest request, HttpParameters out) {

    String url = request.getRequestUrl();
    int q = url.indexOf('?');
    if (q >= 0) {
        // Combine the URL query string with the other parameters:
        out.putAll(OAuth.decodeForm(url.substring(q + 1)), true);
    }
}

protected String generateTimestamp() {
    return Long.toString(System.currentTimeMillis() / 1000L);
}

protected String generateNonce() {
    return Long.toString(random.nextLong());
}
}
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```

```
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* limitations under the License.
*/
```

```
package com.google.gdata.util.common.base;
```

```
/**
 * An object that converts literal text into a format safe for inclusion in a
 * particular context (such as an XML document). Typically (but not always), the
 * inverse process of "unescaping" the text is performed automatically by the
 * relevant parser.
 *
 * <p>For example, an XML escaper would convert the literal string { @code
 * "Foo<Bar>"} into { @code "Foo&lt;Bar&gt;"} to prevent { @code "<Bar>"} from
 * being confused with an XML tag. When the resulting XML document is parsed,
 * the parser API will return this text as the original literal string { @code
 * "Foo<Bar>"}.
```

```
public interface Escaper {
```

```
/**
```

```
 * Returns the escaped form of a given literal string.
```

```
 *
```

```
 * <p>Note that this method may treat input characters differently depending on
 * the specific escaper implementation.
```

```
 * <ul>
```

```
 * <li>{ @link UnicodeEscaper} handles
```

```
 * <a href="http://en.wikipedia.org/wiki/UTF-16">UTF-16</a> correctly,
```

```
 * including surrogate character pairs. If the input is badly formed the
```

```
 * escaper should throw { @link IllegalArgumentException}.
```

```
 * <li>{ @link CharEscaper} handles Java characters independently and does not
```

```
 * verify the input for well formed characters. A CharEscaper should not be
```

```
 * used in situations where input is not guaranteed to be restricted to the
```

```

* Basic Multilingual Plane (BMP).
* </ul>
*
* @param string the literal string to be escaped
* @return the escaped form of { @code string}
* @throws NullPointerException if { @code string} is null
* @throws IllegalArgumentException if { @code string} contains badly formed
*   UTF-16 or cannot be escaped for any other reason
*/
public String escape(String string);

/**
* Returns an { @code Appendable} instance which automatically escapes all
* text appended to it before passing the resulting text to an underlying
* { @code Appendable}.
*
* <p>Note that this method may treat input characters differently depending on
* the specific escaper implementation.
* <ul>
* <li>{ @link UnicodeEscaper} handles
* <a href="http://en.wikipedia.org/wiki/UTF-16">UTF-16</a> correctly,
* including surrogate character pairs. If the input is badly formed the
* escaper should throw { @link IllegalArgumentException}.
* <li>{ @link CharEscaper} handles Java characters independently and does not
* verify the input for well formed characters. A CharEscaper should not be
* used in situations where input is not guaranteed to be restricted to the
* Basic Multilingual Plane (BMP).
* </ul>
*
* @param out the underlying { @code Appendable} to append escaped output to
* @return an { @code Appendable} which passes text to { @code out} after
*   escaping it.
*/
public Appendable escape(Appendable out);
}

```

# 1.1060 simple-fmt 0.1.0

## 1.1060.1 Available under license :

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## 1.1061 simple-is 0.2.0

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## 1.1062 sinjdoc 0.5 :9.1.e16

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Go support for Protocol Buffers - Google's data interchange format

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<https://github.com/golang/protobuf>

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procfs provides functions to retrieve system, kernel and process

metrics from the pseudo-filesystem proc.

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ffjson

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Gocheck - A rich testing framework for Go

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Go support for Protocol Buffers - Google's data interchange format

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<https://github.com/golang/protobuf>

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## 1.1065 slf4j 1.7.6

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# 1.1067 slf4j-api 1.7.12

# 1.1068 slf4j-api 1.7.11

# 1.1069 SnakeYAML 1.12

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```
*/
```

```
cat snakeyaml-1.12-sources/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
```

```
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// www.source-code.biz, www.inventec.ch/chdh
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## 1.1071 SnakeYAML 1.14

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```
cat snakeyaml-1.12-sources/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java  
/* Copyright (c) 2008 Google Inc.
```

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- \*/

```

cat snakeyaml-1.12-sources/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
// Copyright 2003-2010 Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland
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//
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```
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_## SNMP4J 2 - SimpleOIDTextFormat.java  
_##  
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```

```
_##
```

```
_#####*/
```

```
package org.snmp4j.util;
```

```
import java.text.*;
import org.snmp4j.smi.OctetString;
import org.snmp4j.smi.OID;
import java.util.StringTokenizer;
```

```
/**
```

```
* The <code>SimpleOIDTextFormat</code> implements a simple textual
* representation for object IDs as dotted string.
```

```
*
```

```
* @author Frank Fock
```

```
* @version 2.2
```

```
* @since 1.10
```

```
*/
```

```
public class SimpleOIDTextFormat implements OIDTextFormat {
```

```
/**
```

```
* Creates a simple OID text format.
```

```
*/
```

```
public SimpleOIDTextFormat() {
}
```

```
/**
```

```
* Returns a textual representation of a raw object ID as dotted
```

```
* string ("1.3.6.1.4").
```

```
*
```

```
* @param value
```

```
* the OID value to format.
```

```
* @return
```

```
* the textual representation.
```

```
*/
```

```
public static String formatOID(int[] value) {
    StringBuilder buf = new StringBuilder(3*value.length);
    for (int i=0; i<value.length; i++) {
        if (i != 0) {
            buf.append('.');
        }
        buf.append((value[i] & 0xFFFFFFFF));
    }
}
```



```

    return buf.toString();
}

/**
 * Returns a textual representation of a raw object ID as dotted
 * string ("1.3.6.1.4").
 *
 * @param value
 *     the OID value to format.
 * @return
 *     the textual representation.
 */
public String format(int[] value) {
    return SimpleOIDTextFormat.formatOID(value);
}

/**
 * Returns a textual representation of a raw object ID as dotted
 * string ("1.3.6.1.4"). This method is the same as { @link #format(int[])}.
 *
 * @param value
 *     the OID value to format.
 * @return
 *     the textual representation.
 */
public String formatForRoundTrip(int[] value) {
    return format(value);
}

/**
 * Parses a textual representation of an object ID as dotted string
 * (e.g. "1.3.6.1.2.1.1") and returns its raw value.
 *
 * @param text
 *     a textual representation of an OID.
 * @return
 *     the raw OID value.
 * @throws ParseException
 *     if the OID cannot be parsed successfully.
 */
public static int[] parseOID(String text) throws ParseException {
    StringTokenizer st = new StringTokenizer(text, ".", true);
    int size = st.countTokens();
    int[] value = new int[size];
    size = 0;
    StringBuffer buf = null;
    while (st.hasMoreTokens()) {

```

```

String t = st.nextToken();
if ((buf == null) && t.startsWith("")) {
    buf = new StringBuffer();
    t = t.substring(1);
}
if ((buf != null) && (t.endsWith(""))) {
    buf.append(t.substring(0, t.length()-1));
    OID o = new OctetString(buf.toString()).toSubIndex(true);
    int[] h = value;
    value = new int[st.countTokens()+h.length+o.size()];
    System.arraycopy(h, 0, value, 0, size);
    System.arraycopy(o.getValue(), 0, value, size, o.size());
    size += o.size();
    buf = null;
}
else if (buf != null) {
    buf.append(t);
}
else if (!"."equals(t)) {
    value[size++] = (int) Long.parseLong(t.trim());
}
}
if (size < value.length) {
    int[] h = value;
    value = new int[size];
    System.arraycopy(h, 0, value, 0, size);
}
return value;
}

/**
 * Parses a textual representation of an object ID as dotted string
 * (e.g. "1.3.6.1.2.1.1") and returns its raw value.
 *
 * @param text
 * a textual representation of an OID.
 * @return
 * the raw OID value.
 * @throws ParseException
 * if the OID cannot be parsed successfully.
 */
public int[] parse(String text) throws ParseException {
    return SimpleOIDTextFormat.parseOID(text);
}
}
/* #####
_##
_## SNMP4J 2 - SimpleVariableTextFormat.java

```

```

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_##
_#####*/
package org.snmp4j.util;

import java.text.*;

import org.snmp4j.smi.*;
import org.snmp4j.SNMP4JSettings;

/**
 * The <code>SimpleVariableTextFormat</code> implements a simple textual
 * representation for SNMP variables based on their type only.
 * No MIB information is used (can be used).
 *
 * @author Frank Fock
 * @version 1.10
 * @since 1.10
 */
public class SimpleVariableTextFormat implements VariableTextFormat {

    /**
     * Creates a simple variable text format.
     */
    public SimpleVariableTextFormat() {
    }

    /**
     * Returns a textual representation of the supplied variable against the
     * optionally supplied instance OID.
     *
     * @param instanceOID the instance OID <code>variable</code> is associated
     * with. If <code>null</code> the formatting cannot take any MIB
     * specification of the variable into account and has to format it based
     * on its type only.

```

```

* @param variable
* the variable to format.
* @param withOID
* if <code>>true</code> the <code>instanceOID</code> should be included
* in the textual representation to form a { @link VariableBinding }
* representation.
* @return the textual representation.
*/
public String format(OID instanceOID, Variable variable, boolean withOID) {
    return (withOID) ?
        SNMP4JSettings.getOIDTextFormat().format(instanceOID.getValue()+
            " = "+variable
            : variable.toString());
}

/**
* This operation is not supported by { @link SimpleVariableTextFormat }.
*
* @param smiSyntax the SMI syntax identifier identifying the target
* <code>Variable</code>.
* @param text a textual representation of the variable.
* @return the new <code>Variable</code> instance.
* @throws ParseException if the variable cannot be parsed successfully.
*/
public Variable parse(int smiSyntax, String text) throws ParseException {
    Variable v = AbstractVariable.createFromSyntax(smiSyntax);
    if (v instanceof AssignableFromString) {
        ((AssignableFromString)v).setValue(text);
    }
    return v;
}

/**
* This operation is not supported by { @link SimpleVariableTextFormat }.
*
* @param classOrInstanceOID
* the instance OID <code>variable</code> is associated with. Must not
* be <code>null</code>.
* @param text
* a textual representation of the variable.
* @return
* the new <code>Variable</code> instance.
* @throws ParseException
* if the variable cannot be parsed successfully.
*/
public Variable parse(OID classOrInstanceOID, String text) throws
    ParseException {
    throw new UnsupportedOperationException();
}

```

```

}

public VariableBinding parseVariableBinding(String text) throws ParseException {
    int assignmentPos = text.indexOf(" = ");
    if (assignmentPos <= 0) {
        throw new ParseException("Could not locate assignment ' = ' string in '"+
            text, 0);
    }
    OID oid = new OID(SNMP4JSettings.getOIDTextFormat().
        parse(text.substring(0, assignmentPos)));
    Variable var = parse(oid, text.substring(assignmentPos+3));
    return new VariableBinding(oid, var);
}
}
/*_#####*/
_##
_## SNMP4J 2 - MessageDispatcherImpl.java
_##
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_## limitations under the License.
_##
_#####*/
package org.snmp4j;

import java.io.IOException;
import java.util.*;

import org.snmp4j.asn1.*;
import org.snmp4j.event.*;
import org.snmp4j.log.*;
import org.snmp4j.mp.*;
import org.snmp4j.security.SecurityLevel;
import org.snmp4j.security.TsmSecurityStateReference;
import org.snmp4j.smi.*;
import java.nio.ByteBuffer;
import org.snmp4j.transport.UnsupportedAddressClassException;

```

```

/**
 * The <code>MessageDispatcherImpl</code> decodes and dispatches incoming
 * messages using { @link MessageProcessingModel } instances and encodes
 * and sends outgoing messages using an appropriate { @link TransportMapping }
 * instances.
 * <p>
 * The method { @link #processMessage } will be called from a
 * <code>TransportMapping</code> whereas the method { @link #sendPdu } will be
 * called by the application.
 *
 * @see Snmp
 * @see TransportMapping
 * @see MessageProcessingModel
 * @see MPv1
 * @see MPv2c
 * @see MPv3
 *
 * @author Frank Fock
 * @version 2.0
 */
public class MessageDispatcherImpl implements MessageDispatcher {

    private static final LogAdapter logger =
        LoggerFactory.getLogger(MessageDispatcherImpl.class);

    private List<MessageProcessingModel> mpm = new ArrayList<MessageProcessingModel>(3);
    private Map<Class<? extends Address>, List<TransportMapping>> transportMappings =
        new Hashtable<Class<? extends Address>, List<TransportMapping>>(5);

    private int nextTransactionID = new Random().nextInt(Integer.MAX_VALUE-2)+1;
    private transient List<CommandResponder> commandResponderListeners;
    private transient List<CounterListener> counterListeners;
    private transient List<AuthenticationFailureListener> authenticationFailureListeners;

    private boolean checkOutgoingMsg = true;

    /**
     * Default constructor creates a message dispatcher without any associated
     * message processing models.
     */
    public MessageDispatcherImpl() {
    }

    /**
     * Adds a message processing model to this message dispatcher. If a message
     * processing model with the same ID as the supplied one already exists it
     * will not be changed. Please call { @link #removeMessageProcessingModel }
     * before to replace a message processing model.

```

```

* @param model
* a MessageProcessingModel instance.
*/
public synchronized void addMessageProcessingModel(MessageProcessingModel model) {
    while (mpm.size() <= model.getID()) {
        mpm.add(null);
    }
    if (mpm.get(model.getID()) == null) {
        mpm.set(model.getID(), model);
    }
}

/**
* Removes a message processing model from this message dispatcher.
* @param model
* a previously added MessageProcessingModel instance.
*/
public synchronized void removeMessageProcessingModel(MessageProcessingModel model) {
    mpm.set(model.getID(), null);
}

/**
* Adds a transport mapping. When an outgoing message is processed where
* no specific transport mapping has been specified, then the
* message dispatcher will use the transport mapping
* that supports the supplied address class of the target.
* @param transport
* a TransportMapping instance. If there is already another transport
* mapping registered that supports the same address class, then
* <code>transport</code> will be registered but not used for messages
* without specific transport mapping.
*/
@SuppressWarnings("unchecked")
public synchronized void addTransportMapping(TransportMapping transport) {
    List<TransportMapping> transports =
        transportMappings.get(transport.getSupportedAddressClass());
    if (transports == null) {
        transports = new LinkedList<TransportMapping>();
        transportMappings.put(transport.getSupportedAddressClass(), transports);
    }
    transports.add(transport);
}

/**
* Removes a transport mapping.
* @param transport
* a previously added TransportMapping instance.
* @return

```

```

* the supplied TransportMapping if it has been successfully removed,
* <code>null</code>otherwise.
*/
public TransportMapping removeTransportMapping(TransportMapping transport) {
    List<? extends TransportMapping> tm =
        transportMappings.remove(transport.getSupportedAddressClass());
    if (tm != null) {
        if (tm.remove(transport)) {
            return transport;
        }
    }
    return null;
}

/**
 * Gets a collection of all registered transport mappings.
 * @return
 * a Collection instance.
 */
public Collection<TransportMapping> getTransportMappings() {
    ArrayList<TransportMapping> l = new ArrayList<TransportMapping>(transportMappings.size());
    synchronized (transportMappings) {
        for (Iterator<List<TransportMapping>> it = transportMappings.values().iterator(); it.hasNext();) {
            List<? extends TransportMapping> tm = it.next();
            l.addAll(tm);
        }
    }
    return l;
}

public synchronized int getNextRequestID() {
    int nextID = nextTransactionID++;
    if (nextID <= 0) {
        nextID = 1;
        nextTransactionID = 2;
    }
    return nextID;
}

protected PduHandle createPduHandle() {
    return new PduHandle(getNextRequestID());
}

/**
 * Sends a message using the <code>TransportMapping</code> that has been
 * assigned for the supplied address type.
 *
 * @param transport

```



```

* the transport mapping to be used to send the message.
* @param destAddress
* the transport address where to send the message. The
* <code>destAddress</code> must be compatible with the supplied
* <code>transport</code>.
* @param message
* the SNMP message to send.
* @throws IOException
* if an I/O error occurred while sending the message or if there is
* no transport mapping defined for the supplied address type.
*/
@SuppressWarnings("unchecked")
protected void sendMessage(TransportMapping transport,
                           Address destAddress, byte[] message,
                           TransportStateReference tmStateReference)
    throws IOException
{

    if (transport != null) {
        if (destAddress instanceof GenericAddress) {
            transport.sendMessage(((GenericAddress)destAddress).getAddress(), message, tmStateReference);
        }
        else {
            transport.sendMessage(destAddress, message, tmStateReference);
        }
    }
    else {
        String txt = "No transport mapping for address class: "+
            destAddress.getClass().getName()+"="+destAddress;
        logger.error(txt);
        throw new IOException(txt);
    }
}

/**
* Returns a transport mapping that can handle the supplied address.
* @param destAddress
* an Address instance.
* @return
* a <code>TransportMapping</code> instance that can be used to sent
* a SNMP message to <code>destAddress</code> or <code>null</code> if
* such a transport mapping does not exists.
* @since 1.6
*/
public TransportMapping getTransport(Address destAddress) {
    Class addressClass = destAddress.getClass();
    do {
        List<TransportMapping> l = transportMappings.get(addressClass);

```

```

    if ((l != null) && (l.size() > 0)) {
        return l.get(0);
    }
}
while ((addressClass = addressClass.getSuperclass()) != null);
return null;
}

/**
 * Actually decodes and dispatches an incoming SNMP message using the supplied
 * message processing model.
 *
 *
 * @param sourceTransport
 * a <code>TransportMapping</code> that matches the incomingAddress type.
 * @param mp
 * a <code>MessageProcessingModel</code> to process the message.
 * @param incomingAddress
 * the <code>Address</code> from the entity that sent this message.
 * @param wholeMessage
 * the <code>BERInputStream</code> containing the SNMP message.
 * @param tmStateReference
 * the transport model state reference as defined by RFC 5590.
 * @throws IOException
 * if the message cannot be decoded.
 */
protected void dispatchMessage(TransportMapping sourceTransport,
                               MessageProcessingModel mp,
                               Address incomingAddress,
                               BERInputStream wholeMessage,
                               TransportStateReference tmStateReference) throws IOException {
    MutablePDU pdu = new MutablePDU();
    Integer32 messageProcessingModel = new Integer32();
    Integer32 securityModel = new Integer32();
    OctetString securityName = new OctetString();
    Integer32 securityLevel = new Integer32();

    PduHandle handle = createPduHandle();

    Integer32 maxSizeRespPDU =
        new Integer32(sourceTransport.getMaxInboundMessageSize());
    StatusInformation statusInfo = new StatusInformation();
    MutableStateReference mutableStateReference = new MutableStateReference();
    // add the transport mapping to the state reference to allow the MP to
    // return REPORTs on the same interface/port the message had been received.
    StateReference stateReference = new StateReference();
    stateReference.setTransportMapping(sourceTransport);
    stateReference.setAddress(incomingAddress);

```

```

mutableStateReference.setStateReference(stateReference);

int status = mp.prepareDataElements(this, incomingAddress, wholeMessage,
    tmStateReference,
    messageProcessingModel, securityModel,
    securityName, securityLevel, pdu,
    handle, maxSizeRespPDU, statusInfo,
    mutableStateReference);
if (mutableStateReference.getStateReference() != null) {
    // make sure transport mapping is set
    mutableStateReference.
        getStateReference().setTransportMapping(sourceTransport);
}
if (status == SnmpConstants.SNMP_ERROR_SUCCESS) {
    // dispatch it
    CommandResponderEvent e =
        new CommandResponderEvent(this,
            sourceTransport,
            incomingAddress,
            messageProcessingModel.getValue(),
            securityModel.getValue(),
            securityName.getValue(),
            securityLevel.getValue(),
            handle,
            pdu.getPdu(),
            maxSizeRespPDU.getValue(),
            mutableStateReference.getStateReference());

    fireProcessPdu(e);
}
else {
    switch (status) {
        case SnmpConstants.SNMP_MP_UNSUPPORTED_SECURITY_MODEL:
        case SnmpConstants.SNMPv3_USM_AUTHENTICATION_FAILURE:
        case SnmpConstants.SNMPv3_USM_UNSUPPORTED_SECURITY_LEVEL:
        case SnmpConstants.SNMPv3_USM_UNKNOWN_SECURITY_NAME:
        case SnmpConstants.SNMPv3_USM_AUTHENTICATION_ERROR:
        case SnmpConstants.SNMPv3_USM_NOT_IN_TIME_WINDOW:
        case SnmpConstants.SNMPv3_USM_UNSUPPORTED_AUTHPROTOCOL:
        case SnmpConstants.SNMPv3_USM_UNKNOWN_ENGINEID:
        case SnmpConstants.SNMP_MP_WRONG_USER_NAME:
        case SnmpConstants.SNMPv3_TSM_INADEQUATE_SECURITY_LEVELS:
        case SnmpConstants.SNMP_MP_USM_ERROR: {
            AuthenticationFailureEvent event =
                new AuthenticationFailureEvent(this, incomingAddress,
                    sourceTransport, status,
                    wholeMessage);
            fireAuthenticationFailure(event);
            break;
        }
    }
}

```

```

    }
    }
    logger.warn("statusInfo="+statusInfo+", status="+status);
    }
}

public void processMessage(TransportMapping sourceTransport,
    Address incomingAddress,
    ByteBuffer wholeMessage,
    TransportStateReference tmStateReference) {
    processMessage(sourceTransport, incomingAddress,
        new BERInputStream(wholeMessage),
        tmStateReference);
}

public void processMessage(TransportMapping sourceTransport,
    Address incomingAddress,
    BERInputStream wholeMessage,
    TransportStateReference tmStateReference) {
    fireIncrementCounter(new CounterEvent(this, SnmpConstants.snmpInPkts));
    if (!wholeMessage.markSupported()) {
        String txt = "Message stream must support marks";
        logger.error(txt);
        throw new IllegalArgumentException(txt);
    }
    try {
        wholeMessage.mark(16);
        BER.MutableByte type = new BER.MutableByte();
        // decode header but do not check length here, because we do only decode
        // the first 16 bytes.
        BER.decodeHeader(wholeMessage, type, false);
        if (type.getValue() != BER.SEQUENCE) {
            logger.error("ASN.1 parse error (message is not a sequence)");
            CounterEvent event = new CounterEvent(this,
                SnmpConstants.snmpInASNParseErrs);
            fireIncrementCounter(event);
        }
        Integer32 version = new Integer32();
        version.decodeBER(wholeMessage);
        MessageProcessingModel mp = getMessageProcessingModel(version.getValue());
        if (mp == null) {
            logger.warn("SNMP version "+version+" is not supported");
            CounterEvent event = new CounterEvent(this,
                SnmpConstants.snmpInBadVersions);
            fireIncrementCounter(event);
        }
    }
    else {
        // reset it

```

```

        wholeMessage.reset();
        // dispatch it
        dispatchMessage(sourceTransport, mp, incomingAddress, wholeMessage, tmStateReference);
    }
}
catch (IOException iox) {
    iox.printStackTrace();
    logger.warn(iox);
    CounterEvent event =
        new CounterEvent(this, SnmpConstants.snmpInvalidMsgs);
    fireIncrementCounter(event);
}
catch (Exception ex) {
    logger.error(ex);
    if (logger.isDebugEnabled()) {
        ex.printStackTrace();
    }
    if (SNMP4JSettings.isForwardRuntimeExceptions()) {
        throw new RuntimeException(ex);
    }
}
catch (OutOfMemoryError oex) {
    logger.error(oex);
    if (SNMP4JSettings.isForwardRuntimeExceptions()) {
        throw oex;
    }
}
}

```

```

public PduHandle sendPdu(Target target,
    PDU pdu,
    boolean expectResponse) throws MessageException {
    return sendPdu(null, target, pdu, expectResponse);
}

```

```

public PduHandle sendPdu(TransportMapping transport,
    Target target,
    PDU pdu,
    boolean expectResponse,
    PduHandleCallback<PDU> pduHandleCallback)
    throws MessageException
{
    int messageProcessingModel = target.getVersion();
    Address transportAddress = target.getAddress();
    int securityModel = target.getSecurityModel();
    int securityLevel = target.getSecurityLevel();
    try {
        byte[] securityName = target.getSecurityName().getValue();
    }
}

```

```

MessageProcessingModel mp =
    getMessageProcessingModel(messageProcessingModel);
if (mp == null) {
    throw new MessageException("Unsupported message processing model: "
        + messageProcessingModel, SnmpConstants.SNMP_MD_UNSUPPORTED_MP_MODEL);
}
if (!mp.isProtocolVersionSupported(messageProcessingModel)) {
    throw new MessageException("SNMP version "+messageProcessingModel+
        " is not supported "+
        "by message processing model "+
        messageProcessingModel,
SnmpConstants.SNMP_MD_UNSUPPORTED_SNMP_VERSION);
}
if (transport == null) {
    transport = getTransport(transportAddress);
}
if (transport == null) {
    throw new UnsupportedAddressClassException(
        "Unsupported address class (transport mapping): "+
        transportAddress.getClass().getName(),
        transportAddress.getClass());
}
else if (pdu.isConfirmedPdu()) {
    checkListening4ConfirmedPDU(pdu, target.getAddress(), transport);
}

// check if contextEngineID discovery is needed

// check PDU type
checkOutgoingMsg(transportAddress, messageProcessingModel, pdu);

// if request ID is == 0 then create one here, otherwise use the request
// ID because it may be a resent request.
PduHandle pduHandle;
Integer32 reqID = pdu.getRequestID();
if ((reqID == null) || (reqID.getValue() == 0) &&
    (pdu.getType() != PDU.RESPONSE)) {
    pduHandle = createPduHandle();
}
else {
    pduHandle = new PduHandle(pdu.getRequestID().getValue());
}

// assign request ID
if (pdu.getType() != PDU.V1TRAP) {
    pdu.setRequestID(new Integer32(pduHandle.getTransactionID()));
}

```

```

// parameters to receive
GenericAddress destAddress = new GenericAddress();

CertifiedIdentity certifiedIdentity = null;
if (target instanceof CertifiedIdentity) {
    certifiedIdentity = (CertifiedIdentity) target;
}
TransportStateReference tmStateReference =
    new TransportStateReference(transport,
        transportAddress,
        new OctetString(securityName),
        SecurityLevel.get(securityLevel),
        SecurityLevel.undefined,
        false, null, certifiedIdentity);

configureAuthoritativeEngineID(target, mp);
BEROutputStream outgoingMessage = new BEROutputStream();
int status = mp.prepareOutgoingMessage(transportAddress,
    transport.getMaxInboundMessageSize(),
    messageProcessingModel,
    securityModel,
    securityName,
    securityLevel,
    pdu,
    expectResponse,
    pduHandle,
    destAddress,
    outgoingMessage,
    tmStateReference);

if (status == SnmpConstants.SNMP_ERROR_SUCCESS) {
    // inform callback about PDU new handle
    if (pduHandleCallback != null) {
        pduHandleCallback.pduHandleAssigned(pduHandle, pdu);
    }
    byte[] messageBytes = outgoingMessage.getBuffer().array();
    sendMessage(transport, transportAddress, messageBytes, tmStateReference);
}
else {
    throw new MessageException("Message processing model "+
        mp.getID()+" returned error: "+
        SnmpConstants.mpErrorMessage(status), status);
}
return pduHandle;
}
catch (IndexOutOfBoundsException iobex) {
    throw new MessageException("Unsupported message processing model: "

```

```

        + messageProcessingModel, SnmpConstants.SNMP_MD_UNSUPPORTED_MP_MODEL,
iobex);
    }
    catch (MessageException mex) {
        if (logger.isDebugEnabled()) {
            mex.printStackTrace();
        }
        throw mex;
    }
    catch (IOException iox) {
        if (logger.isDebugEnabled()) {
            iox.printStackTrace();
        }
        throw new MessageException(iox.getMessage(), SnmpConstants.SNMP_MD_ERROR, iox);
    }
}

```

```

protected void configureAuthoritativeEngineID(Target target, MessageProcessingModel mp) {
    if ((target instanceof UserTarget) && (mp instanceof MPv3)) {
        UserTarget userTarget = (UserTarget)target;
        if ((userTarget.getAuthoritativeEngineID() != null) && (userTarget.getAuthoritativeEngineID().length > 0)) {
            ((MPv3)mp).addEngineID(target.getAddress(), new OctetString(userTarget.getAuthoritativeEngineID()));
        }
    }
}

```

```

private static void checkListening4ConfirmedPDU(PDU pdu, Address target,
        TransportMapping transport) {
    if ((transport != null) && (!transport.isListening())) {
        logger.warn("Sending confirmed PDU "+pdu+" to target "+target+
            " although transport mapping "+transport+
            " is not listening for a response");
    }
}

```

```

/**
 * Checks outgoing messages for consistency between PDU and target used.
 * @param transportAddress
 *     the target address.
 * @param messageProcessingModel
 *     the message processing model to be used.
 * @param pdu
 *     the PDU to be sent.
 * @throws MessageException
 *     if unrecoverable inconsistencies have been detected.
 */

```

```

protected void checkOutgoingMsg(Address transportAddress,
        int messageProcessingModel, PDU pdu)

```



```

throws MessageException
{
if (checkOutgoingMsg) {
if (messageProcessingModel == MessageProcessingModel.MPv1 || SNMP4JSettings.isNoGetBulk()) {
if (pdu.getType() == PDU.GETBULK) {
if (messageProcessingModel == MessageProcessingModel.MPv1) {
logger.warn("Converting GETBULK PDU to GETNEXT for SNMPv1 target: " + transportAddress);
}
else {
logger.info("Converting GETBULK PDU to GETNEXT for target: " + transportAddress);
}
pdu.setType(PDU.GETNEXT);
if (!(pdu instanceof PDUv1)) {
pdu.setMaxRepetitions(1);
pdu.setNonRepeaters(0);
}
}
}
}
}

public int returnResponsePdu(int messageProcessingModel,
int securityModel,
byte[] securityName,
int securityLevel,
PDU pdu,
int maxSizeResponseScopedPDU,
StateReference stateReference,
StatusInformation statusInformation)
throws MessageException
{
try {
MessageProcessingModel mp =
getMessageProcessingModel(messageProcessingModel);
if (mp == null) {
throw new MessageException("Unsupported message processing model: "
+ messageProcessingModel, SnmpConstants.SNMP_MD_UNSUPPORTED_MP_MODEL);
}
TransportMapping transport = stateReference.getTransportMapping();
if (transport == null) {
transport = getTransport(stateReference.getAddress());
}
if (transport == null) {
throw new MessageException("Unsupported address class (transport mapping): "+
stateReference.getAddress().getClass().getName(),
SnmpConstants.SNMP_MD_UNSUPPORTED_ADDRESS_CLASS);
}
BEROutputStream outgoingMessage = new BEROutputStream();

```

```

int status = mp.prepareResponseMessage(messageProcessingModel,
                                     transport.getMaxInboundMessageSize(),
                                     securityModel,
                                     securityName, securityLevel, pdu,
                                     maxSizeResponseScopedPDU,
                                     stateReference,
                                     statusInformation,
                                     outgoingMessage);
if (status == SnmpConstants.SNMP_MP_OK) {
    TransportStateReference tmStateReference = null;
    if (stateReference.getSecurityStateReference() instanceof TsmSecurityStateReference) {
        tmStateReference = ((TsmSecurityStateReference)
                           stateReference.getSecurityStateReference()).getTmStateReference();
    }
    sendMessage(transport,
               stateReference.getAddress(),
               outgoingMessage.getBuffer().array(),
               tmStateReference);
}
return status;
}
catch (ArrayIndexOutOfBoundsException aex) {
    throw new MessageException("Unsupported message processing model: "
                               + messageProcessingModel, SnmpConstants.SNMP_MD_UNSUPPORTED_MP_MODEL,
aex);
}
catch (IOException iox) {
    throw new MessageException(iox.getMessage(), SnmpConstants.SNMP_MD_ERROR, iox);
}
}

public void releaseStateReference(int messageProcessingModel,
                                 PduHandle pduHandle) {
    MessageProcessingModel mp = getMessageProcessingModel(messageProcessingModel);
    if (mp == null) {
        throw new IllegalArgumentException("Unsupported message processing model: "+
                                         messageProcessingModel);
    }
    mp.releaseStateReference(pduHandle);
}

public synchronized void removeCommandResponder(CommandResponder l) {
    if (commandResponderListeners != null && commandResponderListeners.contains(l)) {
        commandResponderListeners.remove(l);
    }
}

public synchronized void addCommandResponder(CommandResponder l) {

```

```

if (commandResponderListeners == null) {
    commandResponderListeners = new Vector<CommandResponder>(2);
}
if (!commandResponderListeners.contains(l)) {
    commandResponderListeners.add(l);
}
}

/**
 * Fires a CommandResponderEvent. Listeners are called
 * in order of their registration until a listener has processed the
 * PDU successfully.
 * @param e
 * a CommandResponderEvent event.
 */
protected void fireProcessPdu(CommandResponderEvent e) {
    if (commandResponderListeners != null) {
        List<CommandResponder> listeners = commandResponderListeners;
        for (CommandResponder listener : listeners) {
            listener.processPdu(e);
            // if event is marked as processed the event is not forwarded to
            // remaining listeners
            if (e.isProcessed()) {
                return;
            }
        }
    }
}

/**
 * Gets the MessageProcessingModel for the supplied message
 * processing model ID.
 *
 * @param messageProcessingModel
 * a message processing model ID
 * (see { @link MessageProcessingModel#getID()}).
 * @return
 * a MessageProcessingModel instance if the ID is known, otherwise
 * null
 */
public MessageProcessingModel getMessageProcessingModel(int messageProcessingModel) {
    try {
        return mpm.get(messageProcessingModel);
    }
    catch (IndexOutOfBoundsException iobex) {
        return null;
    }
}

```

```

/**
 * Removes a CounterListener.
 * @param counterListener
 * a previously added CounterListener.
 */
public synchronized void removeCounterListener(CounterListener counterListener) {
    if (counterListeners != null && counterListeners.contains(counterListener)) {
        counterListeners.remove(counterListener);
    }
}

```

```

/**
 * Adds a CounterListener.
 * @param counterListener
 * a CounterListener that will be informed when a counter
 * needs to incremented.
 */
public synchronized void addCounterListener(CounterListener counterListener) {
    if (counterListeners == null) {
        counterListeners = new Vector<CounterListener>(2);
    }
    if (!counterListeners.contains(counterListener)) {
        counterListeners.add(counterListener);
    }
}

```

```

/**
 * Fires a counter incrementation event.
 * @param event
 * the CounterEvent containing the OID of the counter
 * that needs to be incremented.
 */
protected void fireIncrementCounter(CounterEvent event) {
    if (counterListeners != null) {
        for (CounterListener cl : counterListeners) {
            cl.incrementCounter(event);
        }
    }
}

```

```

/**
 * Enables or disables the consistency checks for outgoing messages.
 * If the checks are enabled, then GETBULK messages sent to SNMPv1
 * targets will be converted to GETNEXT messages.
 * <p>
 * In general, if an automatically conversion is not possible, an
 * error is thrown when such a message is to be sent.

```

```

* <p>
* The default is consistency checks enabled.
*
* @param checkOutgoingMsg
* if <code>>true</code> outgoing messages are checked for consistency.
* Currently, only the PDU type will be checked against the used SNMP
* version. If <code>>false</code>, no checks will be performed.
*/
public void setCheckOutgoingMsg(boolean checkOutgoingMsg) {
    this.checkOutgoingMsg = checkOutgoingMsg;
}

/**
* Returns whether consistency checks for outgoing messages are activated.
* @return
* if <code>>true</code> outgoing messages are checked for consistency.
* If <code>>false</code>, no checks are performed.
*/
public boolean isCheckOutgoingMsg() {
    return checkOutgoingMsg;
}

/**
* Adds a listener for authentication failure events caused by unauthenticated
* incoming messages.
* @param l
* the <code>AuthenticationFailureListener</code> to add.
* @since 1.5
*/
public synchronized void addAuthenticationFailureListener(
    AuthenticationFailureListener l) {
    if (authenticationFailureListeners == null) {
        authenticationFailureListeners = new Vector<AuthenticationFailureListener>(2);
    }
    if (!authenticationFailureListeners.contains(l)) {
        authenticationFailureListeners.add(l);
    }
}

/**
* Removes an <code>AuthenticationFailureListener</code>.
* @param l
* the <code>AuthenticationFailureListener</code> to remove.
*/
public synchronized void removeAuthenticationFailureListener(
    AuthenticationFailureListener l) {
    if (authenticationFailureListeners != null &&
        authenticationFailureListeners.contains(l)) {

```

```

        authenticationFailureListeners.remove(l);
    }
}

/**
 * Fires an <code>AuthenticationFailureEvent</code> to all registered
 * listeners.
 * @param event
 * the event to fire.
 */
protected void fireAuthenticationFailure(AuthenticationFailureEvent event) {
    if (authenticationFailureListeners != null) {
        List<AuthenticationFailureListener> listeners = authenticationFailureListeners;
        for (AuthenticationFailureListener listener : listeners) {
            listener.authenticationFailure(event);
        }
    }
}

public PduHandle sendPdu(TransportMapping transportMapping,
                        Target target,
                        PDU pdu,
                        boolean expectResponse) throws MessageException {
    return sendPdu(transportMapping, target, pdu, expectResponse, null);
}
}

```

# 1.1075 snmp4j-agent 2.3.1

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# 1.1103 Spring RabbitMQ Support

## 1.2.0.RELEASE

# 1.1104 Spring web 4.1.6.RELEASE

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## 1.1105 spring-aop 3.1.4

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\*/

```
package org.springframework.aop.aspectj.annotation;
```

```
import java.lang.reflect.Method;
```

```
import org.aopalliance.aop.Advice;
```

```
import org.aspectj.lang.reflect.PerClauseKind;
```

```
import org.springframework.aop.Pointcut;
```

```
import org.springframework.aop.aspectj.AspectJExpressionPointcut;
```

```
import org.springframework.aop.aspectj.AspectJPrecedenceInformation;
```

```
import org.springframework.aop.aspectj.InstantiationModelAwarePointcutAdvisor;
```

```
import org.springframework.aop.aspectj.annotation.AbstractAspectJAdvisorFactory.AspectJAnnotation;
```

```
import org.springframework.aop.support.DynamicMethodMatcherPointcut;
```

```
import org.springframework.aop.support.Pointcuts;
```

```
/**
```

```
 * Internal implementation of AspectJPointcutAdvisor.
```

```
 * Note that there will be one instance of this advisor for each target method.
```

```
 *
```

```
 * @author Rod Johnson
```

```
 * @author Juergen Hoeller
```

```
 * @since 2.0
```

```
*/
```

```
class InstantiationModelAwarePointcutAdvisorImpl
```

```
 implements InstantiationModelAwarePointcutAdvisor, AspectJPrecedenceInformation {
```

```
 private final AspectJExpressionPointcut declaredPointcut;
```

```
 private Pointcut pointcut;
```

```
 private final MetadataAwareAspectInstanceFactory aspectInstanceFactory;
```

```
 private final Method method;
```

```
 private final boolean lazy;
```

```
 private final AspectJAdvisorFactory atAspectJAdvisorFactory;
```

```
 private Advice instantiatedAdvice;
```

```
 private int declarationOrder;
```

```
 private String aspectName;
```

```

private Boolean isBeforeAdvice;

private Boolean isAfterAdvice;

public InstantiationModelAwarePointcutAdvisorImpl(AspectJAdvisorFactory af, AspectJExpressionPointcut ajexp,
    MetadataAwareAspectInstanceFactory aif, Method method, int declarationOrderInAspect, String aspectName) {

    this.declaredPointcut = ajexp;
    this.method = method;
    this.atAspectJAdvisorFactory = af;
    this.aspectInstanceFactory = aif;
    this.declarationOrder = declarationOrderInAspect;
    this.aspectName = aspectName;

    if (aif.getAspectMetadata().isLazilyInstantiated()) {
        // Static part of the pointcut is a lazy type.
        Pointcut preInstantiationPointcut =
            Pointcuts.union(aif.getAspectMetadata().getPerClausePointcut(), this.declaredPointcut);

        // Make it dynamic: must mutate from pre-instantiation to post-instantiation state.
        // If it's not a dynamic pointcut, it may be optimized out
        // by the Spring AOP infrastructure after the first evaluation.
        this.pointcut = new PerTargetInstantiationModelPointcut(this.declaredPointcut, preInstantiationPointcut, aif);
        this.lazy = true;
    }
    else {
        // A singleton aspect.
        this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
        this.pointcut = declaredPointcut;
        this.lazy = false;
    }
}

/**
 * The pointcut for Spring AOP to use. Actual behaviour of the pointcut will change
 * depending on the state of the advice.
 */
public Pointcut getPointcut() {
    return this.pointcut;
}

/**
 * This is only of interest for Spring AOP: AspectJ instantiation semantics
 * are much richer. In AspectJ terminology, all a return of true
 * means here is that the aspect is not a SINGLETON.
 */

```

```

public boolean isPerInstance() {
    return (getAspectMetadata().getAjType().getPerClause().getKind() != PerClauseKind.SINGLETON);
}

/**
 * Return the AspectJ AspectMetadata for this advisor.
 */
public AspectMetadata getAspectMetadata() {
    return this.aspectInstanceFactory.getAspectMetadata();
}

/**
 * Lazily instantiate advice if necessary.
 */
public synchronized Advice getAdvice() {
    if (this.instantiatedAdvice == null) {
        this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
    }
    return this.instantiatedAdvice;
}

public boolean isLazy() {
    return this.lazy;
}

public synchronized boolean isAdviceInstantiated() {
    return (this.instantiatedAdvice != null);
}

private Advice instantiateAdvice(AspectJExpressionPointcut pcut) {
    return this.atAspectJAdvisorFactory.getAdvice(
        this.method, pcut, this.aspectInstanceFactory, this.declarationOrder, this.aspectName);
}

public MetadataAwareAspectInstanceFactory getAspectInstanceFactory() {
    return this.aspectInstanceFactory;
}

public AspectJExpressionPointcut getDeclaredPointcut() {
    return this.declaredPointcut;
}

public int getOrder() {
    return this.aspectInstanceFactory.getOrder();
}

public String getAspectName() {

```

```

return this.aspectName;
}

public int getDeclarationOrder() {
return this.declarationOrder;
}

public boolean isBeforeAdvice() {
if (this.isBeforeAdvice == null) {
determineAdviceType();
}
return this.isBeforeAdvice;
}

public boolean isAfterAdvice() {
if (this.isAfterAdvice == null) {
determineAdviceType();
}
return this.isAfterAdvice;
}

/**
 * Duplicates some logic from getAdvice, but importantly does not force
 * creation of the advice.
 */
private void determineAdviceType() {
AspectJAnnotation<?> aspectJAnnotation =
AbstractAspectJAdvisorFactory.findAspectJAnnotationOnMethod(this.method);
if (aspectJAnnotation == null) {
this.isBeforeAdvice = false;
this.isAfterAdvice = false;
}
else {
switch (aspectJAnnotation.getAnnotationType()) {
case AtAfter:
case AtAfterReturning:
case AtAfterThrowing:
this.isAfterAdvice = true;
this.isBeforeAdvice = false;
break;
case AtAround:
case AtPointcut:
this.isAfterAdvice = false;
this.isBeforeAdvice = false;
break;
case AtBefore:
this.isAfterAdvice = false;
this.isBeforeAdvice = true;
}
}
}

```

```
}  
}  
}
```

@Override

```
public String toString() {  
    return "InstantiationModelAwarePointcutAdvisor: expression [" + getDeclaredPointcut().getExpression() +  
        "]; advice method [" + this.method + "]; perClauseKind=" +  
        this.aspectInstanceFactory.getAspectMetadata().getAjType().getPerClause().getKind();  
}
```

```
/**
```

```
 * Pointcut implementation that changes its behaviour when the advice is instantiated.  
 * Note that this is a <i>dynamic</i> pointcut. Otherwise it might  
 * be optimized out if it does not at first match statically.  
 */
```

```
private class PerTargetInstantiationModelPointcut extends DynamicMethodMatcherPointcut {  
  
    private final AspectJExpressionPointcut declaredPointcut;  
  
    private final Pointcut preInstantiationPointcut;  
  
    private LazySingletonAspectInstanceFactoryDecorator aspectInstanceFactory;  
  
    private PerTargetInstantiationModelPointcut(AspectJExpressionPointcut declaredPointcut,  
        Pointcut preInstantiationPointcut, MetadataAwareAspectInstanceFactory aspectInstanceFactory) {  
        this.declaredPointcut = declaredPointcut;  
        this.preInstantiationPointcut = preInstantiationPointcut;  
        if (aspectInstanceFactory instanceof LazySingletonAspectInstanceFactoryDecorator) {  
            this.aspectInstanceFactory = (LazySingletonAspectInstanceFactoryDecorator) aspectInstanceFactory;  
        }  
    }  
}
```

@Override

```
public boolean matches(Method method, Class targetClass) {  
    // We're either instantiated and matching on declared pointcut, or uninstantiated matching on either pointcut  
    return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass)) ||  
        this.preInstantiationPointcut.getMethodMatcher().matches(method, targetClass);  
}
```

```
public boolean matches(Method method, Class targetClass, Object[] args) {  
    // This can match only on declared pointcut.  
    return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass));  
}
```

```

private boolean isAspectMaterialized() {
    return (this.aspectInstanceFactory == null || this.aspectInstanceFactory.isMaterialized());
}
}

}
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 */

package org.springframework.aop.aspectj.annotation;

import org.springframework.aop.aspectj.SimpleAspectInstanceFactory;
import org.springframework.core.Ordered;
import org.springframework.core.annotation.Order;

/**
 * Implementation of {@link MetadataAwareAspectInstanceFactory} that
 * creates a new instance of the specified aspect class for every
 * {@link #getAspectInstance()} call.
 *
 * @author Juergen Hoeller
 * @since 2.0.4
 */
public class SimpleMetadataAwareAspectInstanceFactory extends SimpleAspectInstanceFactory
    implements MetadataAwareAspectInstanceFactory {

    private final AspectMetadata metadata;

    /**
     * Create a new SimpleMetadataAwareAspectInstanceFactory for the given aspect class.
     * @param aspectClass the aspect class
     * @param aspectName the aspect name
     */
    public SimpleMetadataAwareAspectInstanceFactory(Class aspectClass, String aspectName) {

```



```

super(aspectClass);
this.metadata = new AspectMetadata(aspectClass, aspectName);
}

public final AspectMetadata getAspectMetadata() {
    return this.metadata;
}

/**
 * Determine a fallback order for the case that the aspect instance
 * does not express an instance-specific order through implementing
 * the {@link org.springframework.core.Ordered} interface.
 * <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
 * @param aspectClass the aspect class
 */
@Override
protected int getOrderForAspectClass(Class<?> aspectClass) {
    Order order = aspectClass.getAnnotation(Order.class);
    if (order != null) {
        return order.value();
    }
    return Ordered.LOWEST_PRECEDENCE;
}

}

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 */

package org.springframework.aop.aspectj;

import org.springframework.aop.framework.AopConfigException;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;

```

```

/**
 * Implementation of {@link AspectInstanceFactory} that creates a new instance
 * of the specified aspect class for every {@link #getAspectInstance()} call.
 *
 * @author Juergen Hoeller
 * @since 2.0.4
 */
public class SimpleAspectInstanceFactory implements AspectInstanceFactory {

    private final Class aspectClass;

    /**
     * Create a new SimpleAspectInstanceFactory for the given aspect class.
     * @param aspectClass the aspect class
     */
    public SimpleAspectInstanceFactory(Class aspectClass) {
        Assert.notNull(aspectClass, "Aspect class must not be null");
        this.aspectClass = aspectClass;
    }

    /**
     * Return the specified aspect class (never null).
     */
    public final Class getAspectClass() {
        return this.aspectClass;
    }

    public final Object getAspectInstance() {
        try {
            return this.aspectClass.newInstance();
        }
        catch (InstantiationException ex) {
            throw new AopConfigException("Unable to instantiate aspect class [" + this.aspectClass.getName() + "]", ex);
        }
        catch (IllegalAccessException ex) {
            throw new AopConfigException("Cannot access element class [" + this.aspectClass.getName() + "]", ex);
        }
    }

    public ClassLoader getAspectClassLoader() {
        return this.aspectClass.getClassLoader();
    }

    /**
     * Determine the order for this factory's aspect instance,
     * either an instance-specific order expressed through implementing

```

```

* the {@link org.springframework.core.Ordered} interface,
* or a fallback order.
* @see org.springframework.core.Ordered
* @see #getOrderForAspectClass
*/
public int getOrder() {
    return getOrderForAspectClass(this.aspectClass);
}

/**
* Determine a fallback order for the case that the aspect instance
* does not express an instance-specific order through implementing
* the {@link org.springframework.core.Ordered} interface.
* <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
* @param aspectClass the aspect class
*/
protected int getOrderForAspectClass(Class<?> aspectClass) {
    return Ordered.LOWEST_PRECEDENCE;
}

}

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*/

package org.springframework.aop.config;

import org.springframework.aop.aspectj.AspectInstanceFactory;
import org.springframework.beans.factory.BeanFactory;
import org.springframework.beans.factory.BeanFactoryAware;
import org.springframework.beans.factory.config.ConfigurableBeanFactory;
import org.springframework.core.Ordered;
import org.springframework.util.ClassUtils;
import org.springframework.util.StringUtils;

/**

```

```

* Implementation of { @link AspectInstanceFactory } that locates the aspect from the
* { @link org.springframework.beans.factory.BeanFactory } using a configured bean name.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
public class SimpleBeanFactoryAwareAspectInstanceFactory implements AspectInstanceFactory,
BeanFactoryAware {

    private String aspectBeanName;

    private BeanFactory beanFactory;

    /**
     * Set the name of the aspect bean. This is the bean that is returned when calling
     * { @link #getAspectInstance() }.
     */
    public void setAspectBeanName(String aspectBeanName) {
        this.aspectBeanName = aspectBeanName;
    }

    public void setBeanFactory(BeanFactory beanFactory) {
        this.beanFactory = beanFactory;
        if (!StringUtils.hasText(this.aspectBeanName)) {
            throw new IllegalArgumentException("'aspectBeanName' is required");
        }
    }

    /**
     * Look up the aspect bean from the { @link BeanFactory } and returns it.
     * @see #setAspectBeanName
     */
    public Object getAspectInstance() {
        return this.beanFactory.getBean(this.aspectBeanName);
    }

    public ClassLoader getAspectClassLoader() {
        if (this.beanFactory instanceof ConfigurableBeanFactory) {
            return ((ConfigurableBeanFactory) this.beanFactory).getBeanClassLoader();
        }
        else {
            return ClassUtils.getDefaultClassLoader();
        }
    }
}

```

```

public int getOrder() {
    if (this.beanFactory.isSingleton(this.aspectBeanName) &&
        this.beanFactory.isTypeMatch(this.aspectBeanName, Ordered.class)) {
        return ((Ordered) this.beanFactory.getBean(this.aspectBeanName)).getOrder();
    }
    return Ordered.LOWEST_PRECEDENCE;
}

}

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 */

package org.springframework.aop.interceptor;

import org.aopalliance.intercept.MethodInvocation;
import org.apache.commons.logging.Log;

/**
 * Simple AOP Alliance MethodInterceptor that can be introduced
 * in a chain to display verbose trace information about intercepted method
 * invocations, with method entry and method exit info.
 *
 * <p>Consider using CustomizableTraceInterceptor for more
 * advanced needs.
 *
 * @author Dmitriy Kopylenko
 * @author Juergen Hoeller
 * @since 1.2
 * @see CustomizableTraceInterceptor
 */
public class SimpleTraceInterceptor extends AbstractTraceInterceptor {

    /**
     * Create a new SimpleTraceInterceptor with a static logger.
     */

```

```

public SimpleTraceInterceptor() {
}

/**
 * Create a new SimpleTraceInterceptor with dynamic or static logger,
 * according to the given flag.
 * @param useDynamicLogger whether to use a dynamic logger or a static logger
 * @see #setUseDynamicLogger
 */
public SimpleTraceInterceptor(boolean useDynamicLogger) {
    setUseDynamicLogger(useDynamicLogger);
}

@Override
protected Object invokeUnderTrace(MethodInvocation invocation, Log logger) throws Throwable {
    String invocationDescription = getInvocationDescription(invocation);
    logger.trace("Entering " + invocationDescription);
    try {
        Object rval = invocation.proceed();
        logger.trace("Exiting " + invocationDescription);
        return rval;
    }
    catch (Throwable ex) {
        logger.trace("Exception thrown in " + invocationDescription, ex);
        throw ex;
    }
}

/**
 * Return a description for the given method invocation.
 * @param invocation the invocation to describe
 * @return the description
 */
protected String getInvocationDescription(MethodInvocation invocation) {
    return "method '" + invocation.getMethod().getName() + "' of class [' +
        invocation.getThis().getClass().getName() + ']";
}

}

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*/
```

```
package org.springframework.aop.target;
```

```
/**
```

```
* Simple {@link org.springframework.aop.TargetSource} implementation,
* freshly obtaining the specified target bean from its containing
* Spring {@link org.springframework.beans.factory.BeanFactory}.
```

```
*
```

```
* <p>Can obtain any kind of target bean: singleton, scoped, or prototype.
```

```
* Typically used for scoped beans.
```

```
*
```

```
* @author Juergen Hoeller
```

```
* @since 2.0.3
```

```
*/
```

```
public class SimpleBeanTargetSource extends AbstractBeanFactoryBasedTargetSource {
```

```
    public Object getTarget() throws Exception {
        return getBeanFactory().getBean(getTargetBeanName());
    }
```

```
}
```

## 1.1106 spring-boot 1.2.4

## 1.1107 spring-boot 1.2.3

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## 1.1113

# src.com.sun.xml.internal.messaging.saaj.packing.mime.util.QDecoderStream 1.5



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# kaging.mime.util.QPDecoderStream 1.9

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## 1.1126 streamhtmlparser-jsilver

### 0.0.10.vaadin1

## 1.1127 Streaming API for XML 1.0-2



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## 1.0.1

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## 1.1148 swagger-core 1.5.3-M1



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## 1.1149 swagger-core 1.5.0

## 1.1150 swagger-jaxrs 1.5.3

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## 1.1152 swagger-models 1.5.3-M1

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# 1.1154 system-config-firewall 1.2.27 :7.2.el6\_6

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Version 3, 29 June 2007

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## 1.1157 tar-pack 3.1.2

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## 1.1158 tboot 1.9.5 :1.e17

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# 1.1159 tcpdump 4.0.0

## :3.20090921gitdf3cb4.2.el6

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/\* @(#) \$Header: /tcpdump/master/tcpdump/sctpConstants.h,v 1.4 2003-06-03 23:49:23 guy Exp \$ (LBL) \*/

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\*

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\*

\*

\* Please send any bug reports or fixes you make to one of the following email  
\* addresses:

\*

\* rstewar1@email.mot.com

\* kmorneau@cisco.com

\* qxie1@email.mot.com

\*

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\*/

# 1.1160 tcsh 6.17 :24.e16

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People who have contributed to tcsh for win32 with bugfixes, functionality,  
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(In alphabetical order)

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| Matt      | Landau  |                                   |
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/\*-

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* SUCH DAMAGE.
*/
/*
* config.h -- configure various defines for tcsh
*
* All source files should #include this FIRST.
*
* Edit this to match your system type.
*/

#ifndef _h_config
#define _h_config
/***** System dependant compilation flags *****/
/*
* POSIX This system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX

/*
* POSIXJOBS This system supports the optional IEEE Std 1003.1-1988 (POSIX)
* job control facilities.
*/
#undef POSIXJOBS

```

```

/*
* VFORK This machine has a vfork().
* It used to be that for job control to work, this define
* was mandatory. This is not the case any more.
* If you think you still need it, but you don't have vfork,
* define this anyway and then do #define vfork fork.
* I do this anyway on a Sun because of yellow pages brain damage,
* [should not be needed under 4.1]
* and on the iris4d cause SGI's fork is sufficiently "virtual"
* that vfork isn't necessary. (Besides, SGI's vfork is weird).
* Note that some machines eg. rs6000 have a vfork, but not
* with the berkeley semantics, so we cannot use it there either.
*/
#define VFORK

/*
* BSDJOBS You have BSD-style job control (both process groups and
* a tty that deals correctly
*/
#define BSDJOBS

/*
* BSDTIMES You have BSD-style process time stuff (like rusage)
* This may or may not be true. For example, Apple Unix
* (OREO) has BSDJOBS but not BSDTIMES.
*/
#define BSDTIMES

/*
* BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
*/
#define BSDLIMIT

/*
* TERMIO You have struct termio instead of struct sgtyb.
* This is usually the case for SYSV systems, where
* BSD uses sgtyb. POSIX systems should define this
* anyway, even though they use struct termios.
*/
#undef TERMIO

/*
* SYSVREL Your machine is SYSV based (HPUX, A/UX)
* NOTE: don't do this if you are on a Pyramid -- tcsh is
* built in a BSD universe.
* Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
* you are running. Or set it to 0 if you are not SYSV based
*/

```



```
#define SYSVREL 0

/*
 * YPBUGS Work around Sun YP bugs that cause expansion of ~username
 * to send command output to /dev/null
 */
#undef YPBUGS

/***** local defines *****/

#undef NLS_CATALOGS
#endif /* _h_config */
```

## 1.1161 telnet 0.17 :64.e17

## 1.1162 texinfo 4.13a :8.e16

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Version 3, 29 June 2007

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```
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```
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```

```
<signature of Ty Coon>, 1 April 1989
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```
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#
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#
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#
```

```
# Calling this script install-sh is preferred over install.sh, to prevent
# `make` implicit rules from creating a file called install from it
# when there is no Makefile.
#
# This script is compatible with the BSD install script, but was written
# from scratch.
#
```

## 1.1173 time-stamp 1.0.0

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## 1.1177 to-absolute-glob 0.1.1

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- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd

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

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



medium customarily used for software interchange.

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by

this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

It may happen that this requirement contradicts the license

restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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

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## 1.1192 tribes 6.0.16

## 1.1193 trim-newlines 1.0.0

### 1.1193.1 Available under license :

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## 1.1194 tryor 0.1.2

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## 1.1195 ttmkfdir 3.0.9 :32.1.el6

## 1.1195.1 Available under license :

Summary: Utility used to create fonts.scale files for truetype fonts

Name: tmkfdir

Version: 3.0.9

Release: 1

#URL:

Source0: % {name}-% {version}.tar.bz2

License: GPL

Group: Applications/System

BuildRoot: % {\_tmppath}/% {name}-root

BuildRequires: freetype-devel >= 2.0

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the

libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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, while the latter only works together with the library.

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those

sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

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

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

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with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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## 1.1203 typeahead.bundle.js 0.10.4

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# 1.1204 typedarray 0.0.6

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// Original can be found at:

// <https://bitbucket.org/lindenlab/llsd>

// Modifications by Joshua Bell [inexorabletash@gmail.com](mailto:inexorabletash@gmail.com)

// <https://github.com/inexorabletash/polyfill>

// ES3/ES5 implementation of the Khronos Typed Array Specification

// Ref: <http://www.khronos.org/registry/typedarray/specs/latest/>

// Date: 2011-02-01

//

```
// Variations:
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
```

# 1.1205 tyrex 1.0.1

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# 1.1219 unzip 6.0 :1.e16

## 1.1219.1 Available under license :

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This is the Info-ZIP file COPYING (for UnZip), last updated 17 Jul 2000.

---

### FIRST NOTE:

This file contains some details about the copyright history of contributions to the UnZip project.

Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of the system specific ports.

Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

-----

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/\*"), Steve P. Miller (Pocket UnZip GUI "wince/\*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding \_in an apparatus that performs LZW encoding\_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
* MoreFiles
*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
* Copyright 1992-1998 Apple Computer, Inc.
* Portions copyright 1995 Jim Luther
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*
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* sample code has been provided "AS IS" and the
```

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The following copyright applies to the Mac OS "macbin3" decoding code (extra field compatibility with ZipIt):

- \* MacBinaryIII.h
- \*
- \* Copyright 1997 Christopher Evans (cevens@poppybank.com)
- \*
- \* Basic encoding and decoding of Macintosh files to the
- \* MacBinary III spec.
- \* -----
- \* This source is copyrighted by Christopher Evans (cevens@poppybank.com)
- \* (available at ftp://ftp.lazerware.com/MacBinaryIII\_src\_C.sit
- \* homepage of Leonard Rosenthol leonardr@netcom.com)

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-----

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Regarding the first stipulation, Mr. Smith was tracked down in southern

California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

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-----

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-----

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The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

-----  
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Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

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# 1.1220 upstart 0.6.5 :12.el6

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Version 2, June 1991

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treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,

instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.



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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or

distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), 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 distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the

original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser 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.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

#### NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "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 LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY 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 LIBRARY (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 LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF

SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

## END OF TERMS AND CONDITIONS

Google App Engine Terms of Service

Your Agreement with Google

This License Agreement for Google App Engine (the "Agreement") is made and entered into by and between Google Inc., a Delaware corporation, with offices at 1600 Amphitheatre Parkway, Mountain View 94043 ("Google") and the business entity agreeing to these terms ("Customer"). This Agreement is effective as of the date Customer clicks the "I Accept" button below (the "Effective Date"). If you are accepting on behalf of Customer, you represent and warrant that: (i) if you have full legal authority to bind Customer to this Agreement; (ii) you have read and understand this Agreement; and (iii) you agree, on behalf of Customer, to this Agreement. If you do not have the legal authority to bind Customer, please do not click the "I Accept" button below. This Agreement governs Customer's access to and use of the Service.

### 1. Licenses.

1.1 From Google to Customer. Subject to this Agreement, Google grants to Customer a worldwide, non-sublicensable, non-transferable, non-exclusive, terminable, limited license to (a) use the Service, (b) integrate the Service into any Application and provide the Service, solely as integrated into the Application, to users of the Application and (c) use any Software provided by Google as part of the Service.

1.2 From Customer to Google. By submitting, posting, generating or displaying any Application and/or Customer Data on or through the Service, Customer gives Google a worldwide, non-sublicensable, non-transferable, non-exclusive, terminable, limited license to reproduce, adapt, modify, translate, publish, publicly perform, publicly display and distribute any Application and/or including Customer Data for the sole purpose of enabling Google to provide Customer with the Service in accordance with the Agreement.  
Provision of the Service.

2.1 Console. Google will provide the Service to Customer. As part of receiving the Service, Customer will have access to the Admin Console, through which Customer may administer the Service.

2.2 Facilities and Data Transfer. All facilities used to store and process an Application and Customer Data will adhere to reasonable security standards no less protective than the security standards at facilities where Google processes and stores its own information of a similar type. Google has implemented at least industry standard systems and procedures to ensure the security and confidentiality of an Application and Customer Data, protect against anticipated threats or hazards to the security or integrity of an Application and Customer Data, and protect against unauthorized access to or use of an Application and

Customer Content. Google may process and store an Application and Customer Data in the United States or any other country in which Google or its agents maintain facilities. By using the Service, Customer consents to this processing and storage of an Application and Customer Data. The parties agree that Google is merely a data processor.

### 2.3 Data Storage Selection.

**Data Storage.** Customer may select via the Service whether the Core App Engine End User Data will be stored permanently, at rest, in either the United States or the European Union, and Google will store it accordingly ("App Engine Data Location Setting"). If no selection is made, Core App Engine End User Data will be stored permanently, at rest, in the United States.

**Transient Storage.** Core App Engine End User Data may be stored transiently or cached in any country in which Google or its agents maintain facilities before reaching permanent storage.

**Limitations.** No App Engine Data Location Setting will apply to Core App Engine End User Data copied in another location or used with other Google products and services (including any other Google Cloud Platform services). If so, the Core App Engine End User Data will be processed and stored pursuant to Section 2.2 of this Agreement.

**2.4 Accounts.** Customer must have an Account to use the Service, and is responsible for the information it provides to create the Account, the security of its passwords for the Account, and for any use of its Account. If Customer becomes aware of any unauthorized use of its password or its Account, Customer will notify Google as promptly as possible.

**2.5 Privacy Policies.** The Service is subject to Google's Privacy Policy. Changes to the Privacy Policy will be made as stated in the applicable policy. In addition, Google is enrolled in the U.S. Department of Commerce Safe Harbor Program and will remain enrolled in this program or another replacement program (or will adopt a compliance solution which achieves compliance with the terms of Article 25 of Directive 95/46/EC) throughout the Term of the Agreement.

**2.6 New Applications.** Google may make new applications, tools, features or functionality available from time to time through the Service, the use of which may be contingent upon Customer's agreement to additional terms.

### 2.7 Modifications.

**To the Service.** Subject to Section 9.4 (Termination for Convenience), Google may make commercially reasonable Updates to the Service from time to time. If Google makes a material change to the Service, Google will inform Customer, provided that Customer has subscribed with Google to be informed about such change.

**To the Agreement.** Google may make changes to this Agreement, including pricing from time to time. Unless otherwise noted by Google, material changes to

the Agreement will become effective 90 days after they are posted, except if the changes apply to new functionality in which case they will be effective immediately. If Customer does not agree to the revised Agreement, please stop using the Service. Google will post any modification to this Agreement to the Terms URL.

### 3. Payment Terms.

3.1 Free Quota. The Service is provided to Customer without charge up to the Fee Threshold.

3.2 Online Billing. Google will issue an electronic bill to Customer for all charges accrued above the Fee Threshold. Fees are solely based on Google's measurements of Customer's use of the Service, may include monthly fees, and Google's determination is final. For use above the Fee Threshold, Customer shall be responsible for all Fees up to the amount set in the Account and shall pay all Fees in U.S. Dollars or in such other currency as agreed to in writing by the parties. Customer shall pay all Fees in accordance with the payment terms in the Service FAQ.

3.3 Delinquent Payments. Late payments may bear interest at the rate of 1.5% per month (or the highest rate permitted by law, if less). Google reserves the right to suspend your Account for any late payments.

3.4 Taxes. Customer is responsible for any Taxes, and Customer will pay Google for the Services without any reduction for Taxes. If Google is obligated to collect or pay Taxes, the Taxes will be invoiced to Customer, unless Customer provides Google with a timely and valid tax exemption certificate authorized by the appropriate taxing authority. In some states the sales tax is due on the total purchase price at the time of sale and must be invoiced and collected at the time of the sale. If Customer is required by law to withhold any Taxes from its payments to Google, Customer must provide Google with an official tax receipt or other appropriate documentation to support such withholding payments.

3.5 Invoice Disputes & Refunds. To the fullest extent permitted by law, Customer waives all claims relating to Fees unless claimed within sixty days after charged (this does not affect any Customer rights with its credit card issuer). Refunds (if any) are at the discretion of Google and will only be in the form of credit for the Service. Nothing in this Agreement obligates Google to extend credit to any party.

### 4. Customer Obligations.

4.1 Compliance. Customer is solely responsible for its Applications and Customer Data, and for making sure its Applications or Customer Data comply with the Acceptable Use Policy. Google reserves the right to review the Application or Customer Data to ensure Customer's compliance with the Acceptable Use Policy. Customer is responsible for ensuring all End Users comply with Customer's obligations under the Agreement.

4.2 Privacy. Customer will protect the privacy and legal rights of its End Users under all applicable laws and regulations, which includes a legally adequate privacy notice communicated from Customer. Customer may have the ability to access, monitor, use, or disclose Customer Data submitted by End Users through the Service. Customer will obtain and maintain any required consents from End Users to allow Customer's access, monitoring, use and disclosure of Customer Data. Further, Customer will notify its End Users that any Customer Data provided as part of the Service will be made available to a third party as part of Google providing the Service.

4.3 Restrictions. Customer will not, and will not allow third parties under its control to: (a) copy, modify, create a derivative work of, reverse engineer, decompile, translate, disassemble, or otherwise attempt to extract the source code of the Service or any component thereof (subject to Section 4.4 below); (b) use the Service for High Risk Activities; (c) sublicense, resell, or distribute the Service or any component thereof separate from any integrated Application; (d) use the Service to create, train, or improve (directly or indirectly) a substantially similar product or service, including any other machine translation engine; (e) create multiple Applications or Accounts to simulate or act as a single Application or Account (respectively) or otherwise access the Service in a manner intended to avoid incurring Fees; (f) use the Service to operate or enable any telecommunications service or in connection with any Application that allows End Users to place calls to or to receive calls from any public switched telephone network; or (g) process or store any Customer Data that is subject to the International Traffic in Arms Regulations maintained by the Department of State. Customer acknowledges that the Service is not HIPAA compliant and Customer is solely responsible for any applicable compliance with HIPAA.

4.4 Open Source Components. Open source software licenses for components of the Service released under an open source license constitute separate written agreements. Open source software is listed in the Documentation. To the limited extent the open source software licenses expressly supersede this Agreement, the open source license instead governs Customer's agreement with Google for the specific included open source components of the Service, or use of the Service (as may be applicable).

4.5 Documentation. Google may provide Documentation for Customer's use of the Service. The Documentation may specify restrictions (e.g. attribution of HTML restrictions) on how the Applications may be built or the Service may be used and Customer agrees to comply with any such restrictions specified.

4.6 DMCA Policy. Google provides information to help copyright holders manage their intellectual property online, but Google cannot determine whether something is being used legally or not without their input. Google responds to notices of alleged copyright infringement and terminates accounts of repeat

infringers according to the process set out in the U.S. Digital Millennium Copyright Act. If Customer thinks somebody is violating Customer's or its End Users' copyrights and wants to notify Google, Customer can find information about submitting notices, and Google's policy about responding to notices at <http://www.google.com/dmca.html>.

4.7 Application and No Multiple Accounts, Bills. Any Application must have material value independent from the Services. Google has no obligation to provide multiple bills or Accounts to Customer under the Agreement.

## 5. Suspension and Removals.

5.1 Suspension/Removals. If Customer becomes aware that any Application or an End User's use of an Application, or Customer Data violates the Acceptable Use Policy, Customer will immediately suspend the Application, remove the applicable Customer Data, or suspend access to an End User (as may be applicable). If Customer fails to suspend or remove as noted in the prior sentence, Google may specifically request that Customer do so. If Customer fails to comply with Google's request to do so within twenty-four hours, then Google may suspend Google accounts of the applicable End Users, disable the Application, and/or disable the Account (as may be applicable) until such violation is corrected.

5.2 Emergency Security Issues. Despite the foregoing, if there is an Emergency Security Issue, then Google may automatically suspend the offending End User account, Application or the Account. Suspension will be to the minimum extent required, and of the minimum duration, to prevent or terminate the Emergency Security Issue. If Google suspends an End User account or the Application or Account, for any reason, without prior notice to Customer, at Customer's request, Google will provide Customer the reason for the suspension as soon as is reasonably possible.

## 6. Intellectual Property Rights; Brand Features.

6.1 Intellectual Property Rights. Except as expressly set forth herein, this Agreement does not grant either party any rights, implied or otherwise, to the other's content or any of the other's intellectual property. As between the parties, Customer owns all Intellectual Property Rights in any Application and Customer Content, and Google owns all Intellectual Property Rights in the Service.

6.2 Brand Features Limitation. If Customer wants to display Google Brand Features in connection with its use of the Service, Customer must obtain written permission from Google through process specified in the Trademark Guidelines. For the sole purpose of providing the Service, Customer permits Google to display any Brand Features that may appear in its Application. Any use of a party's Brand Features will inure to the benefit of the party holding Intellectual Property Rights to those Brand Features. A party may revoke the other party's right to use its Brand Features pursuant to this Agreement with written notice to the other and a reasonable period to stop the use.

## 7. Technical Support Service



7.1 By Customer. Customer is responsible for technical support of its Application.

## 7.2 Deprecation Policy.

Google will announce if we intend to discontinue or make backwards incompatible changes to this API or Service. We will use commercially reasonable efforts to continue to operate that Service without these changes until the later of: (i) one year after the announcement or (ii) April 20, 2015, unless (as Google determines in its reasonable good faith judgment):

required by law or third party relationship (including if there is a change in applicable law or relationship), or  
doing so could create a security risk or substantial economic or material technical burden.

This Deprecation Policy doesn't apply to versions, features, and functionality labeled as "experimental."

## 8. Confidential Information.

8.1 Obligations. The recipient of the other party's Confidential Information will not disclose the Confidential Information, except to Affiliates, employees, agents, or professional advisors who need to know it and who have agreed in writing (or in the case of professional advisors are otherwise bound) to keep it confidential. The recipient will ensure that those people and entities use the Confidential Information only to exercise rights and fulfill obligations under this Agreement, while using reasonable care to keep it confidential. The recipient may also disclose Confidential Information when required by law after giving reasonable notice to the discloser if allowed by law. The recipient may also disclose Confidential Information to the extent required by applicable Legal Process; provided that the recipient uses commercially reasonable efforts to: (i) promptly notify the other party of such disclosure before disclosing; and (ii) comply with the other party's reasonable requests regarding its efforts to oppose the disclosure. Notwithstanding the foregoing, subsections (i) and (ii) above will not apply if the recipient determines that complying with (i) and (ii) could: (a) result in a violation of Legal Process; (b) obstruct a governmental investigation; and/or (c) lead to death or serious physical harm to an individual. As between the parties, Customer is responsible for responding to all third party requests concerning its use and its End Users' use of the Services.

## 9. Term and Termination.

9.1 Agreement Term. The license granted in this Agreement will remain in effect, unless terminated earlier as set forth in this Agreement.

9.2 Termination for Breach. Either party may terminate this Agreement for breach

if: (i) the other party is in material breach of the Agreement and fails to cure that breach within thirty days after receipt of written notice; (ii) the other party ceases its business operations or becomes subject to insolvency proceedings and the proceedings are not dismissed within ninety days; or (iii) the other party is in material breach of this Agreement more than two times notwithstanding any cure of such breaches.

9.3 Termination for Inactivity. Google reserves the right to terminate the Service for inactivity, if, for a period exceeding ninety days, Customer (a) has failed to access the Admin Console, (b) an Application has not served any requests, and (c) no electronic bills are being generated.

9.4 Termination for Convenience. Customer may stop using the Service at any time. Customer may terminate this Agreement for convenience at any time on prior written notice and upon termination, must cease use of the Service. Google may terminate this Agreement for its convenience at any time without liability to Customer. Subject to Section 7.2, Google may discontinue the Service or any portion or feature for any reason at any time without liability to Customer.

9.5 Effects of Termination. If the Agreement expires or is terminated, then: (i) the rights granted by one party to the other will immediately cease; (ii) all Fees (including Taxes) owed by Customer to Google are immediately due upon receipt of the final electronic bill; (iii) Customer will delete the Software, any Application and any Customer Data; and (iv) upon request, each party will use commercially reasonable efforts to return or destroy all Confidential Information of the other party.

## 10. Publicity.

Customer is permitted to state publicly that it is a customer of the Service, consistent with the Trademark Guidelines. Customer agrees that Google may include Customer's name or Brand Features in a list of Google customers, online or promotional materials. Customer also agrees that Google may verbally reference Customer as a customer of the Google products or services that are the subject of this Agreement. This section is subject to the "Brand Features Limitation" section of the Agreement. For clarification, neither party needs to seek approval from the other if the party is repeating a public statement that is substantially similar to a public statement that has been previously approved.

## 11. Representations.

Each party represents that: (a) it has full power and authority to enter into the Agreement; and (b) it will comply with all laws and regulations applicable to its provision, or use, of the Service, as applicable. Google warrants it will provide the Service in accordance with the applicable SLA.

## 12. Disclaimer.

EXCEPT AS EXPRESSLY PROVIDED FOR HEREIN, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, GOOGLE DOES NOT MAKE ANY OTHER WARRANTY OF ANY KIND, WHETHER

EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR USE AND NONINFRINGEMENT.

GOOGLE IS NOT RESPONSIBLE OR LIABLE FOR THE DELETION OF OR FAILURE TO STORE ANY CONTENT AND OTHER COMMUNICATIONS MAINTAINED OR TRANSMITTED THROUGH USE OF THE SERVICE. CUSTOMER IS SOLELY RESPONSIBLE FOR SECURING AND BACKING UP ITS APPLICATION AND CUSTOMER CONTENT. GOOGLE DOES NOT WARRANT THAT THE OPERATION OF

THE SOFTWARE OR THE SERVICE WILL BE ERROR-FREE OR UNINTERRUPTED. NEITHER THE SOFTWARE NOR THE SERVICE ARE DESIGNED, MANUFACTURED, OR INTENDED FOR HIGH RISK ACTIVITIES.

### 13. Limitation of Liability.

13.1 Limitation on Indirect Liability. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, NEITHER PARTY, NOR GOOGLE'S SUPPLIERS, WILL BE LIABLE UNDER THIS AGREEMENT FOR LOST REVENUES OR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY, OR PUNITIVE DAMAGES, EVEN IF THE PARTY KNEW OR SHOULD HAVE KNOWN THAT SUCH DAMAGES WERE POSSIBLE AND EVEN IF DIRECT DAMAGES DO NOT SATISFY A REMEDY.

13.2 Limitation on Amount of Liability. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, NEITHER PARTY, NOR GOOGLE'S SUPPLIER'S, MAY BE HELD LIABLE UNDER THIS AGREEMENT FOR MORE THAN THE AMOUNT PAID BY CUSTOMER TO GOOGLE DURING THE TWELVE MONTHS PRIOR TO THE EVENT GIVING RISE TO LIABILITY.

13.3 Exceptions to Limitations. These limitations of liability do not apply to breaches of confidentiality obligations, violations of a party's Intellectual Property Rights by the other party, or indemnification obligations.

### 14. Indemnification.

14.1 By Customer. Customer will indemnify, defend, and hold harmless Google from and against all liabilities, damages, and costs (including settlement costs and reasonable attorneys' fees) arising out of a third party claim: (i) regarding any Application or Customer Content; (ii) that Customer Brand Features infringe or misappropriate any patent, copyright, trade secret or trademark of a third party; or (iii) regarding Customer's, or its End Users', use of the Service in violation of the Acceptable Use Policy.

14.2 By Google. Google will indemnify, defend, and hold harmless Customer from and against all liabilities, damages, and costs (including settlement costs and reasonable attorneys' fees) arising out of a third party claim that Google's technology used to provide the Service (excluding any open source software) or any Google Brand Feature infringes or misappropriates any patent, copyright, trade secret or trademark of such third party. Notwithstanding the foregoing, in no event shall Google have any obligations or liability under this Section arising from: (i) use of any Service or Google Brand Features in a modified form or in combination with materials not furnished by Google, and (ii) any Customer Content.

### 14.3 Possible Infringement.

Repair, Replace, or Modify. If Google reasonably believes the Service infringes a third party's Intellectual Property Rights, then Google will: (a) obtain the right for Customer, at Google's expense, to continue using the Service; (b) provide a non-infringing functionally equivalent replacement; or (c) modify the Service so that it no longer infringes.

Suspension or Termination. If Google does not believe the foregoing options are commercially reasonable, then Google may suspend or terminate Customer's use of the impacted Service.

14.4 General. As a condition to indemnification for a claim, the party seeking indemnification must promptly notify the other party of the claim in writing and cooperate with the other party in defending the claim. The indemnifying party has full control and authority over the defense, except that: (a) any settlement requiring the party seeking indemnification to admit liability or to pay any money will require that party's prior written consent, such consent not to be unreasonably withheld or delayed; and (b) the other party may join in the defense with its own counsel at its own expense. Notwithstanding the foregoing, if the indemnified party settles without the prior written consent of the indemnifying party, the indemnifying party has no obligation of contribution.

THE INDEMNITIES ABOVE ARE THE ONLY REMEDY UNDER THIS AGREEMENT FOR VIOLATION OF A THIRD PARTY'S INTELLECTUAL PROPERTY RIGHTS.

### 15. Government Purposes (applicable to United States government customers only).

The Service was developed solely at private expense and is commercial computer software and related documentation within the meaning of the applicable civilian and military Federal acquisition regulations and any supplements thereto. If the user of the Service is an agency, department, employee, or other entity of the United States Government, under FAR 12.212 and DFARS 227.7202, the use, duplication, reproduction, release, modification, disclosure, or transfer of the Service, including technical data or manuals, is governed by the terms and conditions contained in this Agreement, which is Google's standard commercial license agreement.

### 16. Miscellaneous.

16.1 Notices. All notices must be in writing and addressed to the other party's legal department and primary point of contact. The email address for notices being sent to Google's Legal Department is legal-notices@google.com. Notice will be treated as given: (a) on receipt as verified by written automated receipt or by electronic log (as applicable).

16.2 Assignment. Neither party may assign any part of this Agreement without the written consent of the other, except to an Affiliate where: (a) the assignee has agreed in writing to be bound by the terms of this Agreement; (b) the assigning party remains liable for obligations under the Agreement if the assignee defaults on them; and (c) the assigning party has notified the other party of

the assignment. Any other attempt to assign is void.

16.3 Change of Control. If a party experiences a change of Control (for example, through a stock purchase or sale, merger, or other form of corporate transaction): (a) that party will give written notice to the other party within thirty days after the change of Control; and (b) the other party may immediately terminate this Agreement any time between the change of Control and thirty days after it receives that written notice.

16.4 Force Majeure. Neither party will be liable for failure or delay in performance to the extent caused by circumstances beyond its reasonable control.

16.5 No Agency. This Agreement does not create any agency, partnership or joint venture between the parties.

16.6 No Waiver. Neither party will be treated as having waived any rights by not exercising (or delaying the exercise of) any rights under this Agreement.

16.7 Severability. If any term (or part of a term) of this Agreement is invalid, illegal or unenforceable, the rest of the Agreement will remain in effect.

16.8 No Third-Party Beneficiaries. This Agreement does not confer any benefits on any third party unless it expressly states that it does.

16.9 Equitable Relief. Nothing in this Agreement will limit either party's ability to seek equitable relief.

16.10 Governing Law.

For City, County, and State Government Entities. If Customer is a city, county or state government entity, then the parties agree to remain silent regarding governing law and venue.

For Federal Government Entities. If Customer is a federal government entity then the following applies: ALL CLAIMS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SERVICE WILL BE GOVERNED BY THE LAWS OF THE UNITED STATES OF AMERICA, EXCLUDING ITS CONFLICT OF LAWS RULES. SOLELY TO THE EXTENT PERMITTED BY FEDERAL LAW: (I) THE LAWS OF THE STATE OF CALIFORNIA (EXCLUDING CALIFORNIA'S CONFLICT OF LAWS RULES) WILL APPLY IN THE ABSENCE OF APPLICABLE FEDERAL LAW; AND (II) FOR ALL CLAIMS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SERVICE, THE PARTIES CONSENT TO PERSONAL JURISDICTION IN, AND THE EXCLUSIVE VENUE OF, THE COURTS IN SANTA CLARA COUNTY, CALIFORNIA.

For All Other Entities. If Customer is any entity not set forth in Section 16.10(a) or (b) then the following applies: ALL CLAIMS ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE SERVICE WILL BE GOVERNED BY CALIFORNIA LAW, EXCLUDING THAT STATE'S CONFLICT OF LAWS RULES, AND WILL BE LITIGATED EXCLUSIVELY IN THE FEDERAL OR STATE COURTS OF SANTA CLARA COUNTY, CALIFORNIA, USA;THE PARTIES CONSENT TO PERSONAL JURISDICTION IN THOSE COURTS.

16.11 Amendments. Any amendment must be in writing, signed by both parties, and expressly state that it is amending this Agreement.

16.12 Survival. The following Sections will survive expiration or termination of this Agreement: 6.1 (Intellectual Property Rights), 8 (Confidential Information), 9.5 (Effects of Termination), 13 (Limitation of Liability), 14 (Indemnification) and 16 (Miscellaneous).

16.13 Entire Agreement. This Agreement supersedes all other agreements between the parties relating to its subject matter. In entering into this Agreement, neither party has relied on, and neither party will have any right remedy based on, any statement, representation or warranty (whether made negligently or innocently), except those expressly set out in this Agreement. The terms located at a URL referenced in this Agreement and the Documentation are hereby incorporated by this reference. After the Effective Date, Google may provide Customer with an updated URL in place of any URL in this Agreement.

16.14 Interpretation of Conflicting Terms. If there is a conflict among the documents that make up this Agreement, the documents will control in the following order: the Agreement, and the terms located at any URL.

16.15 Counterparts. The parties may execute this Agreement in counterparts, including facsimile, PDF and other electronic copies, which taken together will constitute one instrument.

16.16 Definitions.

"Acceptable Use Policy" means the acceptable use policy set forth here: <http://developers.google.com/cloud/terms/aup>.

"Account" means Customer's Google account (either gmail.com address or an Email address provided under the

"Google Apps" product line); subject to those terms of service, as may be applicable.

"Admin Console" means the online tool provided by Google to Customer for administering the Service.

"Affiliate" means any entity that directly or indirectly controls, is controlled by, or is under common control with a party.

"Application(s)" means any web application Customer creates using the Service, including any source code written by Customer to be used with the Service.

"Brand Features" means the trade names, trademarks, service marks, logos, domain names, and other distinctive brand features of each party, respectively, as secured by such party from time to time.

"Confidential Information" means information that one party (or an Affiliate) discloses to the other party under this Agreement, and which is marked as confidential or would normally under the circumstances be considered confidential information. It does not include information that the recipient already rightfully knew, that becomes public through no fault of the recipient,

that was independently developed by the recipient, or that was lawfully given to the recipient by a third party. Customer Data is considered Customer's Confidential Information.

"Control" means control of greater than fifty percent of the voting rights or equity interests of a party.

"Core App Engine End User Data" means content provided through the use of an Application running on Google App Engine, by those End Users who are not acting as Developer End Users (and information related to those End Users stored by the Application), but excluding authentication information for those End Users' Google accounts.

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"Documentation" means the Google documentation in the form generally made available by Google to its customers for use with the Service, as may be found here: <https://developers.google.com/appengine/docs> or such other URL as Google may provide.

"Emergency Security Issue" means either: (a) Customer's or its End User's use of the Service in violation of the Acceptable Use Policy, which could disrupt: (i) the Service; (ii) other Customers' or its End Users' use of the Service; or (iii) the Google network or servers used to provide the Service; or (b) unauthorized third party access to the Service.

"End Users" means the individuals Customer permits to use the Application.

"Export Control Laws" means all applicable export and re-export control laws and regulations, including the Export Administration Regulations ("EAR") maintained by the U.S. Department of Commerce, trade and economic sanctions maintained by the Treasury Department's Office of Foreign Assets Control, and the International Traffic in Arms Regulations ("ITAR") maintained by the Department of State.

"Fee Threshold" means the threshold (as may be updated from time to time), which is more fully described here: <https://developers.google.com/appengine/docs/quotas>.

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"High Risk Activities" means uses such as the operation of nuclear facilities, air traffic control, or life support systems, where the use or failure of the Service could lead to death, personal injury, or environmental damage.

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"Protected Health Information" means the definition on 45 CFR 160.103, limited to the information created or received by a business associate from on or behalf of a covered entity.

"Service" means the Google App Engine Service as more fully described here:  
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"Service FAQ" means those FAQs more fully described here:  
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Service Level Agreement or SLA means the service level agreement then in effect for the Service available at the following URL:  
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##### EXHIBIT 1

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## 2. Chinese/Japanese Word Break Dictionary Data (cjdict.txt)

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### 7. Database Ownership

The TZ database itself is not an IETF Contribution or an IETF document. Rather it is a pre-existing and regularly updated work that is in the public domain, and is intended to remain in the public domain. Therefore, BCPs 78 [RFC5378] and 79 [RFC3979] do not apply to the TZ Database or contributions that individuals make to it.

Should any claims be made and substantiated against the TZ Database,

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UglifyJS

<https://github.com/mishoo/UglifyJS>  
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Note that UglifyJS is shipped with WebKit Web Inspector.

Author: Mihai Bazon

<mihai.bazon@gmail.com>

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W3C XML Schema defined in the Web Services Description (WSDL)  
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## 1.1260 woden-impl-dom 1.0M9

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## 1.1272 wstx-asl 3.2.9

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2000-05-05

# 1.1278 Xml Compatibility extensions for Jackson 1.9.2

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# 1.1279 XML Pull Parsing API 1.1.3.1

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\* @projectDescription Advanced and extensible data dumping for Javascript.

\* @version 1.0.0

\* @author Ariel Flesler

\* @link {<http://flesler.blogspot.com/2008/05/jsdump-pretty-dump-of-any-javascript.html>}

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```
/*
 * Javascript Diff Algorithm
 * By John Resig (http://ejohn.org/)
 * Modified by Chu Alan "sprite"
 *
 * Released under the MIT license.
 *
 * More Info:
 * http://ejohn.org/projects/javascript-diff-algorithm/
 *
 * Usage: QUnit.diff(expected, actual)
 *
 * QUnit.diff( "the quick brown fox jumped over", "the quick fox jumps over" ) == "the quick <del>brown </del>
fox <del>jumped </del><ins>jumps </ins> over"
 */
```

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## 1.1288 xmlhttprequest 1.5.0

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# 1.1290 xmlrpc-c 1.16.24 :1209.1840.el6

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Eric Kidd developed the original Xmlrpc-c in 2000 and maintained it up through June 2001.

Bryan Henderson took over as maintainer in October 2004.

Xmlrpc-c contains (and relies on for some server functions) a derivation of the Abyss web server by Moez Mahfoudh.

Xmlrpc-c contains (and relies on) a derivation of the Expat XML parser, written by James Clark.

The base64 code was derived from what Jack Jansen developed for Python.

For more history, including credits for more minor contributions, see the HISTORY file.

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# 1.1291 XMLSchema 1.4.7

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# 1.1292 xorg-x11-drv-ati-firmware 6.99.99 :1.el6

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# 1.1300 xz-lzma-compat 4.999.9

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