

LOG4J - INSTALLATION

Advertisements

log4j API package is distributed under the Apache Software License, a full-fledged open source license certified by the open source initiative.

The latest log4j version, including full-source code, class files and documentation can be found at <http://logging.apache.org/log4j/>.

To install log4j on your system, download apache-log4j-x.x.x.tar.gz from the specified URL and follow the steps give below.

Step 1

Unzip and untar the downloaded file in **/usr/local/** directory as follows:

```
$ gunzip apache-log4j-1.2.15.tar.gz
$ tar -xvf apache-log4j-1.2.15.tar
apache-log4j-1.2.15/tests/input/
apache-log4j-1.2.15/tests/input/xml/
apache-log4j-1.2.15/tests/src/
apache-log4j-1.2.15/tests/src/java/
apache-log4j-1.2.15/tests/src/java/org/
.....
```

While untarring, it would create a directory hierarchy with a name apache-log4j-x.x.x as follows:

```
-rw-r--r-- 1 root root 3565 2007-08-25 00:09 BUILD-INFO.txt
-rw-r--r-- 1 root root 2607 2007-08-25 00:09 build.properties.sample
-rw-r--r-- 1 root root 32619 2007-08-25 00:09 build.xml
drwxr-xr-x 14 root root 4096 2010-02-04 14:09 contribs
drwxr-xr-x 5 root root 4096 2010-02-04 14:09 examples
-rw-r--r-- 1 root root 2752 2007-08-25 00:09 INSTALL
-rw-r--r-- 1 root root 4787 2007-08-25 00:09 KEYS
-rw-r--r-- 1 root root 11366 2007-08-25 00:09 LICENSE
-rw-r--r-- 1 root root 391834 2007-08-25 00:29 log4j-1.2.15.jar
-rw-r--r-- 1 root root 160 2007-08-25 00:09 NOTICE
-rwxr-xr-x 1 root root 10240 2007-08-25 00:27 NTEventLogAppender.dll
-rw-r--r-- 1 root root 17780 2007-08-25 00:09 pom.xml
drwxr-xr-x 7 root root 4096 2007-08-25 00:13 site
drwxr-xr-x 8 root root 4096 2010-02-04 14:08 src
drwxr-xr-x 6 root root 4096 2010-02-04 14:09 tests
```

Step 2

This step is optional and depends on what features you are going to use from log4j framework. If you already have following packages installed on your machine then it is fine, otherwise you need to install them to make log4j work.

- **JavaMail API:** The e-mail based logging feature in log4j requires the Java Mail API (mail.jar) to be installed on your machine from glassfish.dev.
- **JavaBeans Activation Framework:** The Java Mail API will also require that the JavaBeans Activation Framework (activation.jar) be installed on your machine from <http://java.sun.com/products/javabeans/jaf/index.jsp>.
- **Java Message Service:** The JMS-compatible features of log4j will require that both JMS and Java Naming and Directory Interface JNDI be installed on your machine from <http://java.sun.com/products/jms>.
- **XML Parser:** You need a JAXP-compatible XML parser to use log4j. Make sure you have Xerces.jar installed on

your machine from <http://xerces.apache.org/xerces-j/install.html>.

Step 3

Now you need to set up the **CLASSPATH** and **PATH** variables appropriately. Here we are going to set it just for the log4j.x.x.x.jar file.

```
$ pwd
/usr/local/apache-log4j-1.2.15
$ export CLASSPATH=$CLASSPATH:/usr/local/apache-log4j-1.2.15/log4j-1.2.15.jar
$ export PATH=$PATH:/usr/local/apache-log4j-1.2.15/
```