How to Apache Ant on Mac OS X

By mkyong | January 9, 2015

In this tutorial, we will show you how to install Apache Ant on Mac OSX.

Tools:

- 1. Apache Ant 1.9.4
- 2. Mac OSX Yosemite 10.10

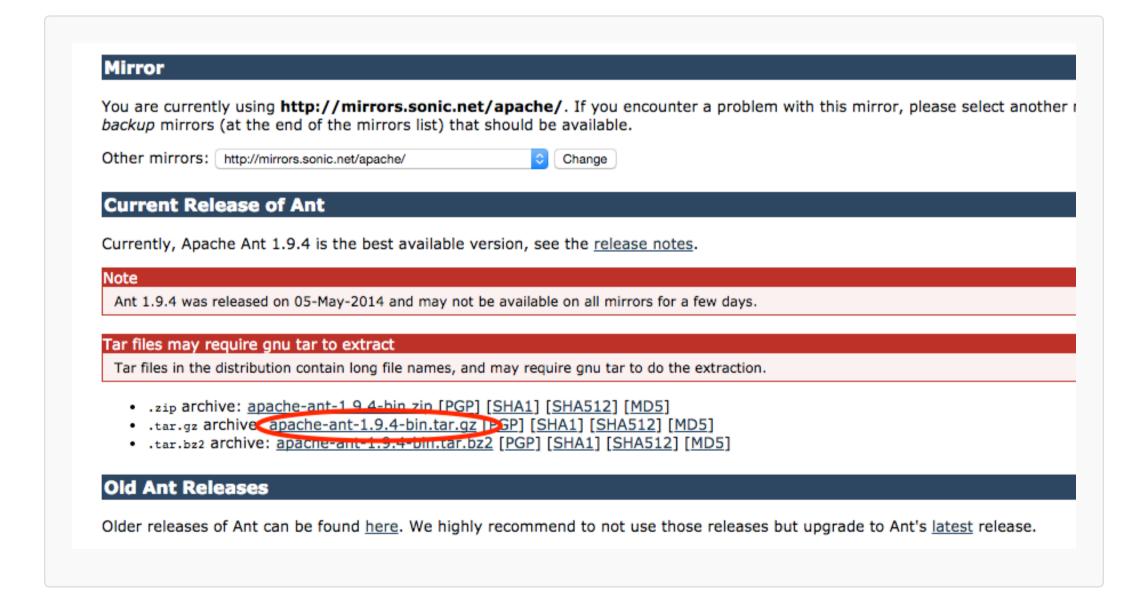
Preinstalled Apache Ant?

In older version of Mac, Apache Ant may be already installed by default, check if Apache Ant is installed:

\$ ant -v

1. Get Apache Ant

Visit Apache Ant website, and get the .tar.gz file.





2. Extracts It

Copy the downloaded gz file to your favorite location, extracts it.

```
$ cd ~
$ pwd
/Users/mkyong
$ tar vxf apache-ant-1.9.4-bin.tar.gz
x apache-ant-1.9.4/bin/ant
x apache-ant-1.9.4/bin/antRun
x apache-ant-1.9.4/bin/antRun.pl
x apache-ant-1.9.4/bin/complete-ant-cmd.pl
x apache-ant-1.9.4/bin/runant.pl
x apache-ant-1.9.4/bin/runant.py
x apache-ant-1.9.4/
x apache-ant-1.9.4/bin/
$ cd ~/apache-ant-1.9.4/bin
$ pwd
/Users/mkyong/apache-ant-1.9.4/bin
$ ant -v
Apache Ant (TM) version 1.9.4 compiled on April 29 2014
Trying the default build file: build.xml
Buildfile: build.xml does not exist!
Build failed
```

P.S The Apache Ant commands are available at folder \$APACHE ANT FOLDER/bin.

3. Environment Variable

Set the command ant as the environment variable, so that you can "ant" build your project everywhere.

```
$ vim ~/.bash_profile
```

Exports \$ANT_HOME/bin, save and restart terminal.

```
~/.bash_profile

export JAVA_HOME=$(/usr/libexec/java_home)
export GRADLE_HOME=/Users/mkyong/gradle
export M2_HOME=/Users/mkyong/apache-maven-3.1.1

# Apache Ant
export ANT_HOME=/Users/mkyong/apache-ant-1.9.4

# Export to PATH
export to PATH
export PATH=$PATH:$GRADLE_HOME/bin:$M2_HOME/bin:$ANT_HOME/bin
```

Test it again, now, you can access the ant command everywhere.

```
$ cd ~
$ pwd
/Users/mkyong

$ ant -v
Apache Ant(TM) version 1.9.4 compiled on April 29 2014
Trying the default build file: build.xml
Buildfile: build.xml does not exist!
Build failed
```

Done.

References

- 1. Apache Ant download page
- 2. How to install Apache Maven on Mac OSX
- 3. Linux : gzip a folder

Tags: ant mac

About the Author



mkyong

Founder of Mkyong.com and HostingCompass.com, love Java and open source stuff. Follow him on Twitter, or befriend him on Facebook or Google Plus. If you like my tutorials, consider make a donation to these charities.

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