

# 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.

Mirror

You are currently using **<http://mirrors.sonic.net/apache/>**. If you encounter a problem with this mirror, please select another *backup* mirrors (at the end of the mirrors list) that should be available.

Other mirrors:  Change

Current Release of Ant

Currently, Apache Ant 1.9.4 is the best available version, see the [release notes](#).

Note

Ant 1.9.4 was released on 05-May-2014 and may not be available on all mirrors for a few days.

Tar files may require gnu tar to extract

Tar files in the distribution contain long file names, and may require gnu tar to do the extraction.

- .zip archive: [apache-ant-1.9.4-bin.zip](#) [PGP] [SHA1] [SHA512] [MD5]
- .tar.gz archive: [apache-ant-1.9.4-bin.tar.gz](#) [PGP] [SHA1] [SHA512] [MD5]
- .tar.bz2 archive: [apache-ant-1.9.4-bin.tar.bz2](#) [PGP] [SHA1] [SHA512] [MD5]

Old Ant Releases

Older releases of Ant can be found [here](#). We highly recommend to not use those releases but upgrade to Ant's [latest](#) release.

## 2. Extracts It

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

```
$ cp ~/Downloads/apache-ant-1.9.4-bin.tar.gz .
```

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```
$ 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 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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Mkyong.com is for Java and J2EE developers, all examples are simple and easy to understand, of course it is well tested in my development environment.

Mkyong.com is created, written by, and maintained by Yong Mook Kim, aka Mkyong. It is built on [WordPress](#), hosted by [Liquid Web](#), and the caches are served by CloudFlare CDN.



