

How To Install Java on Ubuntu with Apt-Get

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Posted February 13, 2014 © 2.8m JAVA UBUNTU

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This is the recommended and easiest option. This will install OpenJDK 6 or $^{\rm NCROLL}$ TO TOP and earlier and on 12.10+ it will install OpenJDK 7.

Installing Java with apt-get is easy. First, update the package index:

```
sudo apt-get update
```

Then, check if Java is not already installed:

```
java -version
```

If it returns "The program java can be found in the following packages", Java hasn't been installed yet, so execute the following command:

```
sudo apt-get install default-jre
```

This will install the Java Runtime Environment (JRE). If you instead need the Java Development Kit (JDK), which is usually needed to compile Java applications (for example Apache Ant, Apache Maven, Eclipse and IntelliJ IDEA execute the following command:

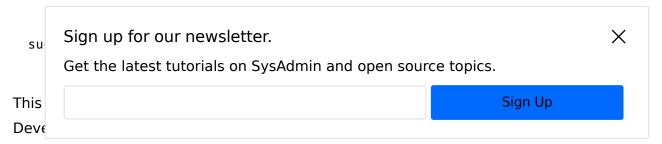
```
sudo apt-get install default-jdk
```

That is everything that is needed to install Java.

All other steps are optional and must only be executed when needed.

Installing OpenJDK 7 (optional)

To install OpenJDK 7, execute the following command:



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sudo apt-get install openjdk-7-jdk

Installing Oracle JDK (optional)

The Oracle JDK is the official JDK; however, it is no longer provided by Oracle as a default installation for Ubuntu.

You can still install it using apt-get. To install any version, first execute the following commands:

```
sudo apt-get install python-software-properties
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
```

Then, depending on the version you want to install, execute one of the following commands:

Oracle JDK 6

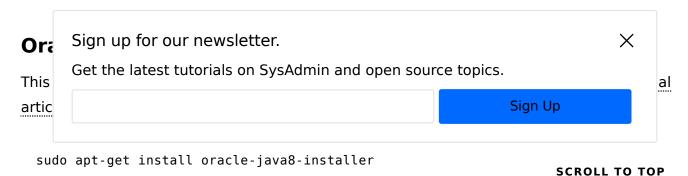
This is an old version but still in use.

sudo apt-get install oracle-java6-installer

Oracle JDK 7

This is the latest stable version.

sudo apt-get install oracle-java7-installer



Managing Java (optional)

When there are multiple Java installations on your Droplet, the Java version to use as default can be chosen. To do this, execute the following command:

```
sudo update-alternatives --config java
```

It will usually return something like this if you have 2 installations (if you have more, it will of course return more):

There are 2 choices for the alternative java (providing /usr/bin/java).

Selection	Path	Priority	Status
* 0	/usr/lib/jvm/java-7-oracle/jre/bin/java	1062	auto mode
1	/usr/lib/jvm/java-6-openjdk-amd64/jre/bin/java	a 1061	manual mo
2	/usr/lib/jvm/java-7-oracle/jre/bin/java	1062	manual mo

Press enter to keep the current choice[*], or type selection number:

You can now choose the number to use as default. This can also be done for the Java compiler (javac):

```
sudo update-alternatives --config javac
```

It is the same selection screen as the previous command and should be used in the same way. This command can be executed for all other commands which have different installations. In Java, this includes but is not limited to: keytool, javadoc and jarsigner.



It returns something like:

There are 2 choices for the alternative java (providing /usr/bin/java).

Selection	Path	Priority	Status
* 0	/usr/lib/jvm/java-7-oracle/jre/bin/java	1062	auto mode
1	/usr/lib/jvm/java-6-openjdk-amd64/jre/bin/java	a 1061	manual mo
2	/usr/lib/jvm/java-7-oracle/jre/bin/java	1062	manual mo

Press enter to keep the current choice[*], or type selection number:

The path of the installation is for each:

- 1. /usr/lib/jvm/java-7-oracle
- 2. /usr/lib/jvm/java-6-openjdk-amd64
- 3. /usr/lib/jvm/java-7-oracle

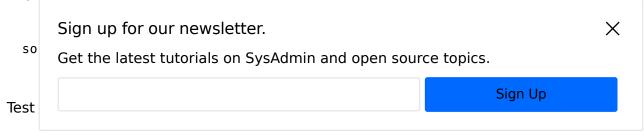
Copy the path from your preferred installation and then edit the file /etc/environment:

sudo nano /etc/environment

In this file, add the following line (replacing YOUR PATH by the just copied path):

JAVA_HOME="YOUR_PATH"

That should be enough to set the environment variable. Now reload this file.



echo \$JAVA_HOME SCROLL TO TOP

If it returns the just set path, the environment variable has been set successfully. If it doesn't, please make sure you followed all steps correctly.

Submitted by: Koen Vlaswinkel

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	anusz.pachucki <i>April 1, 2014</i> Thank you for very clear tutorial, jp
₀ \	richu.susan <i>April 6, 2014</i> Very good tutorial Thank you :)
	formoso April 30, 2014 ava 8 instructions are outdated
0 (asb MOD April 30, 2014 @jformoso: What is the problem you're seeing? What version of Ubuntu are you trying to nstall it on?
	achich May 10 2014
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This was to install the oracle-jdk on an Ubuntu 12.10x64 droplet

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sherry August 5, 2014

```
paolofinamore June 3, 2014
<sub>0</sub> Thank you from Rome, very good tutorial ;)
 david.medinets June 4, 2014
<sub>0</sub> Thanks for the tutorial. I needed to add "-y" to the add-apt-repository.
 anandsbj1989 June 12, 2014
<sub>0</sub> Thanks for the tutorial. It is very needful.
 I set this JAVA_HOME path but I also want know "how to set a path for MAVEN?
 please guide me in this regard.
 asb MOD June 12, 2014
<sub>0</sub> @anandsbj1989: It depends on how you installed Maven. If you ran:
    sudo apt-get install maven2
 Then you would use "/usr/share/maven2/"
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```

On x64 ubuntu 12.04 I get these unmet dependency errors while following the instructions on this page (oracle java and openjdk):

The following packages have unmet dependencies:
oracle-java7-installer: Depends: java-common (>= 0.24) but it is not installa
Recommends: gsfonts-x11 but it is not installable

Since I only needed Java as a dependency for Elasticsearch, it's OK for me to install openidk so I resolved it by following these steps

besteban1989 August 19, 2014

₀ Great, it help me a lot.

ksidibe September 2, 2014

₀ It should be noted that you must logout or reboot in order for the environment variables to be reloaded and for "echo \$JAVA_HOME" to show the newly set value.

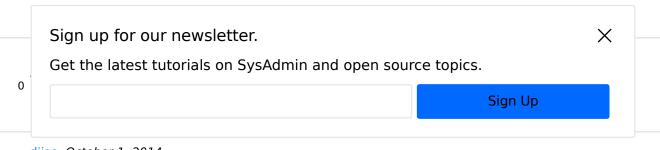
ferch1310 September 8, 2014

O Hi! Im trying to install a sqlfire into a linux red hat enterprise 6.5 (Santiago) s390x for a system Z. But my java version is "1.5.0" and i need 1.6. I downloaded ibm-java-s390x-sdk-7.1-1.0.bin from ibm page and all like install good but when i do java -version i have "1.5.0" again. Does anyone could help me to install a java version 1.6? Thanks and grettings from Mexico

ricpue September 13, 2014

o very helpful, thanks!

Ric



dijas October 1, 2014

0 thanks.

love it

ndwiga October 9, 2014

 $_{
m 0}$ Does anyone know how i can get JVM 1.4 install on ubuntu 14 droplet.

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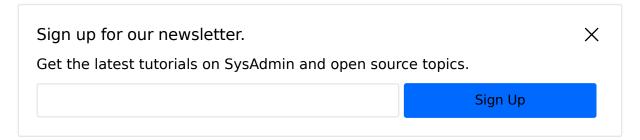
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