

Setting SUN Java for Ubuntu.

The Java Development Kit (JDK) is an implementation of either one of the Java SE, Java EE or Java ME platforms released by Oracle Corporation in the form of a binary product aimed at Java developers on Solaris, Linux, Mac OS X or Windows. This is currently not available on `apt-get` repo, so here is quick way to setup java on ubuntu server/desktop with tar ball.

First create directory for Java

```
ahmed@ahmed-server:~/sun-java# mkdir -p /usr/lib/jvm/
ahmed@ahmed-server:~/sun-java# tar xvzf jdk1.7.0_75.tgz -C /usr/lib/jvm/
```

Setting Alternatives

```
ahmed@ahmed-server:~/sun-java# sudo update-alternatives \
    --install "/usr/bin/java" "java" "/usr/lib/jvm/jdk1.7.0_75/bin/java" 1
ahmed@ahmed-server:~/sun-java# sudo update-alternatives \
    --install "/usr/bin/javac" "javac" "/usr/lib/jvm/jdk1.7.0_75/bin/javac" 1
ahmed@ahmed-server:~/sun-java# sudo update-alternatives \
    --install "/usr/bin/javaws" "javaws" "/usr/lib/jvm/jdk1.7.0_75/bin/javaws" 1

update-alternatives: using /usr/lib/jvm/jdk1.7.0_75/bin/javaws to
    provide /usr/bin/javaws (javaws) in auto mode.
```

Make sure we have the right permission.

```
ahmed@ahmed-server:~/sun-java# sudo chmod a+x /usr/bin/java
ahmed@ahmed-server:~/sun-java# sudo chmod a+x /usr/bin/javac
ahmed@ahmed-server:~/sun-java# sudo chmod a+x /usr/bin/javaws
ahmed@ahmed-server:/usr/lib/jvm# sudo chown -R root:root /usr/lib/jvm/jdk1.7.0_75
```

Configuration of Alternatives

```
ahmed@ahmed-server:/usr/lib/jvm# sudo update-alternatives --config java
There are 3 choices for the alternative java (providing /usr/bin/java).
```

Selection	Path	Priority	Status
* 0	/usr/lib/jvm/java-6-openjdk-amd64/jre/bin/java	1061	auto mode
1	/usr/lib/jvm/java-6-openjdk-amd64/jre/bin/java	1061	manual mode
2	/usr/lib/jvm/java-7-openjdk-amd64/jre/bin/java	1051	manual mode
3	/usr/lib/jvm/jdk1.7.0_75/bin/java	1	manual mode

```
Press enter to keep the current choice[*], or type selection number: 3
update-alternatives: using /usr/lib/jvm/jdk1.7.0_75/bin/java to provide
```

/usr/bin/java (java) in manual mode.

```
ahmed@ahmed-server:/usr/lib/jvm# sudo update-alternatives --config javac
There are 2 choices for the alternative javac (providing /usr/bin/javac).
```

Selection	Path	Priority	Status
* 0	/usr/lib/jvm/java-7-openjdk-amd64/bin/javac	1051	auto mode
1	/usr/lib/jvm/java-7-openjdk-amd64/bin/javac	1051	manual mode
2	/usr/lib/jvm/jdk1.7.0_75/bin/javac	1	manual mode

```
Press enter to keep the current choice[*], or type selection number: 2
update-alternatives: using /usr/lib/jvm/jdk1.7.0_75/bin/javac to provide
/usr/bin/javac (javac) in manual mode.
```

```
ahmed@ahmed-server:/usr/lib/jvm# sudo update-alternatives --config javawc
update-alternatives: error: no alternatives for javawc.
```

Checking version

```
ahmed@ahmed-server:/usr/lib/jvm# java -version
java version "1.7.0_75"
Java(TM) SE Runtime Environment (build 1.7.0_75-b13)
Java HotSpot(TM) 64-Bit Server VM (build 24.75-b04, mixed mode)
ahmed@ahmed-server:/usr/lib/jvm# javac -version
javac 1.7.0_75
ahmed@ahmed-server:/usr/lib/jvm#
```