

JAVA JDK Installation for Linux/MAC Users.

Note: Ubuntu 14.04 LTS and later versions are recommended.

STEP 1: Download the latest Java JDK

For that you have to go the official oracle page mentioned below.

<http://www.oracle.com/technetwork/java/javase/downloads/index-jsp-138363.html>

Click on "DOWNLOAD" in the JAVA tab as shown in the figure below



Accept the agreement and download according to your architecture 32 or 64 bit.

64 bit linux users download: **JDK-8u121-linux-x64.tar.gz**

32 bit linux users download: **JDK-8u121-linux-i586.tar.gz**

MAC users download: **JDK-8u121-macosx-x64.dmg**

Java > Java SE > Downloads

Overview Downloads Documentation Community Technologies Training

Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- Java Developer Newsletter: From your Oracle account, select **Subscriptions**, expand **Technology**, and subscribe to **Java**.
- Java Developer Day hands-on workshops (free) and other events
- Java Magazine

JDK 8u121 checksum

Java SE Development Kit 8u121

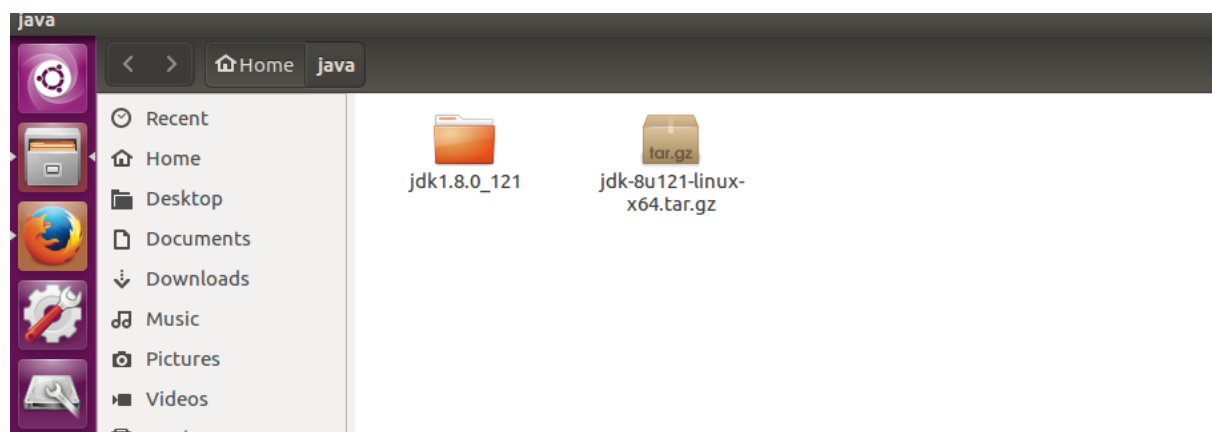
You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

☐ Accept License Agreement ☒ Decline License Agreement

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.86 MB	jdk-8u121-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.83 MB	jdk-8u121-linux-arm64-vfp-hflt.tar.gz
Linux x86	162.41 MB	jdk-8u121-linux-i586.rpm
Linux x86	177.13 MB	jdk-8u121-linux-i586.tar.gz
Linux x64	174.76 MB	jdk-8u121-linux-x64.tar.gz
Mac OS X	223.21 MB	jdk-8u121-macosx-x64.dmg
Solaris SPARC 64-bit	139.64 MB	jdk-8u121-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.07 MB	jdk-8u121-solaris-sparcv9.tar.gz
Solaris x64	140.42 MB	jdk-8u121-solaris-x64.tar.Z

STEP2: Installation for Linux users

1) Extract the tar file which you just downloaded.



It is highly recommended that this **JDK** folder must be in the location **/usr/lib/jvm**.

So, let's move it !

Open your terminal and execute the below command.

*Note: Please use the appropriate path where you extracted the tar file. In my case it is under the path **"/home/kiran/java"**.*

```
sudo mkdir -p /usr/lib/jvm/java_jdk_8
```

```
sudo mv /home/kiran/java/jdk1.8.0_121/ /usr/lib/jvm/java_jdk_8/
```

Great! Now we moved the **JDK** folder in to **/usr/lib/jvm/java_jdk_8**

2)

Now, in your machine java might have already installed or not installed, So running the below command will show you the java version installed in your machine, if no java is installed , then it will return **"no alternatives "**

Just try the below command on your terminal software.

```
sudo update-alternatives --query java
```

```
sudo update-alternatives --query javac
```

Now, let's add the new alternative

```
sudo update-alternatives --install /usr/bin/java java  
/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/jre/bin/java 2000
```

```
sudo update-alternatives --install /usr/bin/javac javac  
/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/bin/javac 2000
```

*2000 is the priority and feel free to pick a different number

Now you should see the new **JDK** listed and you can switch between the alternatives with this command:

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

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

Great! Now we have successfully installed the new version of the JAVA **JDK**. But, it's not sufficient. Now we have to change various environment variables.

3) Changing environment variables.

For this you have to create one **.sh** file in the location **/etc/profile.d/myjavajdk.sh**

sudo vi /etc/profile.d/myjavajdk.sh

Put the below contents in to that file and save.

```
export J2SDKDIR=/usr/lib/jvm/java_jdk_8/jdk1.8.0_121
export J2REDIR=/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/jre
export
PATH=$PATH:/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/bin:/usr/lib/jvm/java_jdk_8
/jdk1.8.0_121/db/bin:/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/jre/bin
export JAVA_HOME=/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/
export DERBY_HOME=/usr/lib/jvm/java_jdk_8/jdk1.8.0_121/db
```

The same file is available for download in the resource section. So you can just download and put it under **/etc/profile.d**.

JAVA_HOME points to the directory of newly installed java **JDK**. Eclipse depends on the value of **JAVA_HOME**.

Great, now execute the below command to apply all these environmental variable settings.

source /etc/profile.d/myjavajdk.sh.

STEP 2: installation for MAC users.

For MAC users it is super simple, after downloading the **jdk-8u121-macosx-x64.dmg** file, just double click on it and complete the installation steps. That's it. After installation confirm the java version by typing the below command

java -version

This must show the version of the latest java **JDK** installation you just did.