

# Java Installation Guide

1. Verify Installation with the following command.

```
java -version
```

If you do not have Java installed/ are using a version < 6, proceed with the following steps.

2. Download the latest version of JDK from [here](#). At the time of writing this document, the latest version is JDK 17, and the file is "[jdk-17 linux-x64 bin.tar.gz](#)".

3. Extract the files

```
cd /path/to/download
```

```
tar -zxvf jdk-17_linux-x64_bin.tar.gz
```

(replace filename accordingly)

(`ls`` to note the name of the extracted file)

4. Move the files to opt directory

```
sudo mkdir /opt/jdk
```

```
sudo mv jdk-17.0.2 /opt/jdk/
```

(replace ``jdk-17.0.2`` with the name of your extracted file)

5. Set Path

To set path and JAVA\_HOME variable, add the following commands to your `~/.bashrc` file.

```
export JAVA_HOME=/opt/jdk/jdk-17.0.2
```

```
export PATH=$PATH:$JAVA_HOME/bin
```

(replace ``jdk-17.0.2`` with the name of your extracted file)

To apply all changes:

```
source ~/.bashrc
```

6. Change Java Alternatives

```
update-alternatives --install /usr/bin/java java \ /opt/jdk/jdk-17.0.2/bin/java 100
```

---