

# Processing installation guide for Linux

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## 1 Install Oracle JDK 8

**Note:** This step is only required if you don't have the Oracle JDK installed.  
Open a terminal and run the following commands:

---

```
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
sudo apt-get install oracle-java8-installer
```

---

To check if the Oracle JDK 8 was successfully installed, run this command:

---

```
java --version
```

---

## 2 Install Processing

### 2.1 Download Processing

Go to <http://processing.org/download/?processing> and download the latest version for Linux.

### 2.2 Installing Processing

Using the terminal, go to the your downloads folder.

---

```
cd ~/Downloads
```

---

Uncompress the file and delete the compressed file, by running these commands in the terminal:

---

```
tar xvfz processing-*.tgz
rm processing-*.tgz
```

---

Now let's move it to /opt, by running this command in the terminal:

---

```
sudo mv processing-* /opt/processing
```

---

Let's make a symbolic link, so that we don't need to specify the classpath, by doing this:

---

```
sudo ln -s /opt/processing/core/library/core.jar /usr/lib/jvm/java-8-oracle/jre/lib/ext/core.jar
```

---

Create an alias, so you can call it anywhere. Let's edit the .bashrc file.

---

```
nano ~/.bashrc
```

---

Add this line in the end of the file and save it.

---

```
export PATH=$PATH:/opt/processing/processing
```

---

Now, let's refresh our environment, by running this in the terminal:

---

```
source ~/.bashrc
```

---

To test if processing was successfully installed, run this in the terminal:

---

```
processing
```

---

### 3 Installing other libraries

To install the sound library (**ddf**), download the latest **source.zip** from <https://github.com/processing/processing-sound/releases> and do the following:

---

```
cd ~/Downloads
unzip Minim*.zip
sudo cp Minim*/library/*.jar /usr/lib/jvm/java-8-oracle/jre/lib/ext/
sudo rm -rf Minim*
```

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