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How To Install Eclipse IDE on Debian 10 & Debian 9 | ITzGeek

3-4 minutes

Eclipse is a well-known, versatile, Integrated Development Environment, widely used for developing JAVA applications all around the world. Eclipse is written in Java and released under Eclipse Public License, an open-source license.

Eclipse is not only used for developing Java applications, but it can also be used to develop applications in various programming languages including COBOL, Ada, C, C++, Perl, PHP, Python, R, Ruby (including Ruby on Rails framework), Clojure, Scala, Groovy, and Scheme.

Development environments include the Eclipse Java development tools (JDT) for Java, Eclipse CDT for C/C++ and Eclipse PDT for PHP, among others.

With the support of plugins available in Eclipse Marketplace, we can extend the functionality of Eclipse.

Install Eclipse On Debian 10 / 9

To be able to install Eclipse, you need to be logged in as a user with sudo privileges.

Install Java

Eclipse requires Java to be available on your machine. So, go and install the Java JDK. You can either install Oracle Java JDK or OpenJDK.

For this demo, I will use OpenJDK 11.

```
sudo apt update
```

```
sudo apt install -y openjdk-11-jdk
```

Verify the Java version on your machine.

```
java -version
```

Output:

```
openjdk version "11.0.7" 2020-04-14
OpenJDK Runtime Environment (build 11.0.7+10-post-
Debian-3deb10u1)
OpenJDK 64-Bit Server VM (build 11.0.7+10-post-Debian-
3deb10u1, mixed mode, sharing)
```

Download Eclipse

Download the latest version of Eclipse IDE (2020-03) from the official page using a web browser.

OR

Download the Eclipse package over a terminal using the following command (risk of being changed).

```
sudo apt install -y wget
```

```
wget http://mirror.umd.edu/eclipse/technology
/epp/downloads/release/2020-06/R/eclipse-java-2020-06-
R-linux-gtk-x86_64.tar.gz
```

Extract Eclipse package to your desired directory (Ex. /usr/).

```
sudo tar -zxvf eclipse-java-2020-06-R-linux-gtk-
x86_64.tar.gz -C /usr/
```

Symlink eclipse executable to /usr/bin path so that users on the machine can able to use Eclipse.

```
sudo ln -s /usr/eclipse/eclipse /usr/bin/eclipse
```

Create Eclipse Launcher Icon

To launch the Eclipse from Gnome, perform the below steps.

```
sudo nano /usr/share/applications/eclipse.desktop
```

Use the following content in the above file.

```
[Desktop Entry]
Encoding=UTF-8
Name=Eclipse IDE
Comment=Eclipse IDE
Exec=/usr/bin/eclipse
```

```
Icon=/usr/eclipse/icon.xpm
Categories=Application;Development;Java;IDE
Type=Application
Terminal=0
```

Start Eclipse

Command Line

```
eclipse
```

GUI

Go to **Activities** >> Search for **Eclipse IDE**.

[Start Eclipse](#)
Start Eclipse

Select a directory as your workspace for [Eclipse](#) and then click Launch.

[Setup Eclipse Workspace](#)
Setup Eclipse Workspace

Eclipse IDE running on Debian:

[Eclipse IDE Running on Debian 10](#)
Eclipse IDE Running on Debian 10

Conclusion

That's All. I hope, you have learned how to install [Eclipse IDE](#) on [Debian 10](#) & [Debian 9](#). You can visit [Eclipse Market Place](#) to download plugins to extend the functionality of Eclipse IDE.