



## 1 The procedure to install eSim in Ubuntu Linux 16.04 or 18.04 or 20.04 (64-bit machines)

### 1.1 Getting ready for eSim installation

1. To follow the installation procedure, you need to be connected to the Internet
2. Following system requirements should be met:
  - i. Linux: 64-bit x86 Ubuntu 16.04 LTS/Ubuntu 18.04.5 LTS/Ubuntu 20.04 LTS
  - ii. At least 4GB disk space should be available
  - iii. Minimum of 2GB RAM
  - iv. 2 GHz dual-core processor or above
3. Please note: A text editor ( eg gedit) is required to view source-code file

### 1.2 Installing eSim on your machine

1. Go to <https://esim.fossee.in/downloads>
2. Now form the section **eSim 2.1** go to **Installers**. To download and save the file, click on the zip file **eSim-2.1.zip** under the **Ubuntu 16.04 and about LTS versions** section
3. Locate the downloaded file on your computer, it will be in the **Downloads** folder ideally
4. Open a terminal by pressing **Ctrl+Alt+T** keys
5. Change the directory using **cd** command to the location where the downloaded **eSim-2.1.zip** file is kept. For example, **cd Downloads**
6. Unzip the file by typing **unzip eSim-2.1.zip** and press **Enter** key
7. Change the directory to **eSim-2.1** using the **cd** command by typing **cd eSim-2.1**
8. Type the following commands and press enter after typing each command:
  - a. **chmod +x install-eSim.sh**
  - b. **sudo ./install-eSim.sh --install**
9. If prompted, type the password and press **Enter**
10. You may get the following prompt: **Is your internet behind proxy? (y/n)**  
If you are behind a network proxy, you should type **y** and enter the details to continue  
If not, then type **n** to continue
11. eSim will be installed on your computer and a **shortcut icon** will appear on your Desktop

## 2 The procedure to install eSim in Windows 10 (64-bit)

### 2.1 Getting ready for eSim installation

1. To follow the installation procedure, you need to be connected to the Internet
2. Following system requirements should be met:
  - i. Windows 10: 64-bit
  - ii. At least 4GB free space should be available in your C:/ Drive
  - iii. Minimum of 2GB RAM
  - iv. 2 GHz dual-core processor or above
3. Disable any anti-virus running on your system (e.g., Norton, Kaspersky, AVG, Avast etc.)
4. Please note: Notepad++ is required to view source-code file

## 2.2 Installing eSim on your machine

1. Go to <https://esim.fossee.in/downloads>
2. Under the section **eSim 2.1** go to the subsection **Installers** . To start the download, click on the installer executable file **eSim-2.1\_installer.exe** from the **Windows 10 and above(64 bit PC)** section
3. Locate the file on your computer, it will be in the **Downloads** folder ideally
4. Open the location where this file is downloaded and double click on **eSim-2.1\_installer.exe**
5. If a pop-up window appears asking, "Do you want to allow the following program from an unknown publisher to make changes to this computer?", click **Yes** to continue
6. In the **License Agreement** window, select the **I Agree** option
7. In the **Choose Install Location** window, click on **Next**
8. In the **Choose Start Menu Folder** window, click on **Install**
9. A progress bar will appear; once it reaches 100%, **Installation Complete** message will be shown at the top of the eSim setup window. Click on **Close**.
10. eSim shortcut icon will be on the Desktop

## 3 Procedure to check eSim installation

1. Double click on the **eSim** icon on your Desktop and wait till an interface appears.  
Windows OS users, please do not close the terminal while using eSim because it will close eSim as well
2. Click on the **Open Project** button from the top-left corner of eSim interface.  
Windows OS users: go to the location **C:/FOSSEE/eSim/Examples/** and select **Halfwave\_Rectifier**  
Ubuntu Linux OS users: go to **~/Downloads/eSim-2.1/Examples/** and choose **Halfwave\_Rectifier**
3. Double click on the project's name from the project explorer window and click the **Open Schematic** button from the left-most toolbar. A schematic window will appear
4. On the eSim interface, for the same **Halfwave\_Rectifier** project click on **Simulation** button from the left-most toolbar. The output plots will be displayed. This shows that the installation is successfully done