

1 The procedure to install Rust on Ubuntu Linux

1. Open the terminal by pressing **Ctrl, Alt and T** keys simultaneously.
2. First check whether **curl** is installed in Ubuntu Linux system.
3. Type **curl - -version** and press Enter.
4. If you get an error, you have to install **curl**, type, **sudo apt install curl** and Press Enter.
5. You will see **curl** gets installed.
6. Type **curl - -proto '=https' - -tls1.2 -sSf https://sh.rustup.rs | sh**
7. You will see a list of options. Press 1 to proceed with default installation.
8. This will install modules and packages like cargo, rustfmt, clippy.

1.1 Set up an Integrated Development Environment(IDE)

1. Open any web browser.
2. Type **https://code.visualstudio.com**
3. Let us download and install **Visual Studio Code**.
4. Click on the **Download** button on the top right corner of the window.
5. From the various options available, we will download **.deb** file for Ubuntu.
6. Go to the **Downloads** folder and locate the **.deb** file.
7. Right click on the file and select **open with software install**.
8. Click on the **Install** button. Enter the system password to authenticate.
9. Close the window once the installation is complete.

1.2 Set up Rust Analyzer

1. Open the **Visual Studio Code**.
2. On the left toolbar, click on **Extensions** icon .
3. In the Search bar type, **rust-analyzer** and Press Enter.
4. Locate rust-analyzer and click on **Install** button.
5. Once the installation is complete a blue tick mark appears.
6. **Rust analyzer** extension is used to autocomplete the code.

1.3 Verification of the Rust Installation

1. Open the terminal.
2. Type **rustc - -version** to see the Rust compiler version.
3. Type **cargo --version** to see the package manager and build system version.
4. Type **rustup - -version** to see the rustup toolchain manager version.
5. You have to restart the system after the rust installation is completed.