# cLab App Installation Guide for Linux

## Requirements:

For cLab app to run successfully, it needs the following installed on your Linux system.

* Python
* Git
* Docker

# Installation using Script

You can use the below command (which essentially downloads an installation script ubuntu-install.sh and runs it). This script is comprehensive and will install cLab along with all dependencies Python, Git, Docker, and other necessary components.

Open your terminal and run the following command

**curl https://raw.githubusercontent.com/bodhitree-iitb/clab-installation/main/ubuntu-install.sh | sh**

If curl is not available on your system, install it first via “sudo snap install curl” or “sudo apt install curl”

If it says Vlab installed successfully, **please reboot your computer.** And then type “vlab &” at a terminal to start the app.

**Note → If “vlab &” doesn’t work, go to your Apps folder and try to open VLab by clicking on its icon.**

If the installation script somehow fails (very rare), you may need to manually check and install missing dependencies. Below is a step-by-step guide:

## Detailed Individual Component Installation:

The commands shown here are for ubuntu (debian)

## Check python

Type below command to see if Python is installed

***python3 --version***

or

***python --version***

If Python is not installed, you should see output like below



else output would be like this



If not installed you can install it using your package manager. For example, on Ubuntu, you can use:

***sudo apt install python3***

## Check for git

Type below command to see if git is installed

***git --version***

if installed :



if not installed :



If Git is not installed, install it using:

***sudo apt install git***

## Check docker

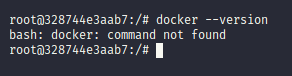
Type below command to see if docker is installed

***docker --version***

### if installed :



### if not installed :



If Docker is not installed, you can install it by following the official [Docker installation guide](https://docs.docker.com/desktop/install/linux-install/).

## 4. retry cLab by running previous command

***sudo apt update -y && sudo apt install -y curl &&curl https://raw.githubusercontent.com/bodhitree-iitb/clab-installation/main/ubuntu-install.sh | sh***

or manually download and double clicking the downloaded debian file (\*.deb for debian) [link](https://drive.google.com/drive/folders/1hXk_7kaWA71WSfltraeLEIzKlHs0ns1Z?usp=sharing)After installing deb package run “*sudo apt install*” to install any missing dependencies as prompted by the OS.

## Possible problems and their resolutions

### Docker permission error Connect EACCES /var/run/docker.sock

***sudo groupadd docker***  
***sudo usermod -aG docker $USER***  
Then reboot

### Pop terminal not working

Install gnome terminal