

# VLab App Installation Guide for Linux

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## Prerequisites

Before installing the VLab app, ensure that the following dependencies are installed on your Linux system:

- Python
- Git
- Docker

## Installation using Script

To install the VLab app, you can use the provided installation script. Open your terminal and run the following command:

```
curl
https://bighome.iitb.ac.in/index.php/s/rfBpHoLCH8RX5Js/download/ubuntu-
install.sh 2> /dev/null | sudo sh
```

This command will download and execute the installation script, which takes care of installing Python, Git, Docker, and other necessary components for the VLab app.

## What if the installation fails?

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If the installation script fails, you may need to manually check and install missing dependencies. Here's a step-by-step guide:

Installation commands shown here are for ubuntu (debian)

### 1. Check python

```
python3 --version
```

or

```
python --version
```

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

```
[abdev@labpc vlab]$ python --version
Python 3.11.6
```

else output would be like this

```
root@328744e3aab7:/# python --version
bash: python: command not found
root@328744e3aab7:/#
```

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

```
sudo apt install python3
```

## 2. Check for git

```
git --version
```

if installed :

```
> git --version
git version 2.43.0
```

if not installed :

```
root@328744e3aab7:/# git --version
bash: git: command not found
root@328744e3aab7:/#
```

If Git is not installed, install it using:

```
sudo apt install git
```

## 3. Check docker

```
docker --version
```

if installed :

```
> docker --version
Docker version 24.0.7, build afdd53b4e3
```

if not installed :

```
root@328744e3aab7:/# docker --version
bash: docker: command not found
root@328744e3aab7:/#
```

If Docker is not installed, you can install it by following the official [Docker installation guide](#).

#### 4. retry vlab by running previous command

```
curl
https://bighome.iitb.ac.in/index.php/s/rfBpHoLCH8RX5Js/download/ubuntu-
isntall.sh 2> /dev/null | sudo sh
```

or manually downloading and double clicking appropriate file (\*.deb for debian) [link](#) (only accessible via iitb google account)