

NS-3 SIMULATOR INSTALLATION PROCESS:

- Download ns3 simulator from the official site of ns3 simulator.
- It will be downloaded as tar or zip file.
- Extract it to the desktop.

INSTALLATION :

- ❖ Open the terminal
- ❖ Type in the command : **sudo apt update**
- ❖ sudo password is the password u have set to log in to the ubuntu. (**Note** : password will not be visible while typing.After typing correct pwd you can click enter.)
- ❖ Type in the command : **sudo apt install build-essential** (it will take about 5-10mins)
- ❖ Next change the directory to the extracted ns3 folder.For that type in the command : **cd ns-allinone-3.31** (Now the directory will be changed from desktop to ns-allinone-3.31.check it.)
- ❖ Next type in the cmd: **./build.py --enable-examples --enable-test** (**Note:**It will take about 45mins-1hr to complete).
- ❖ Now change the directory to ns-3.31.For that Type in the command : **cd ns-3.31** (Now the directory will be changed from ns-allinone-3.31 to ns-3.31)
- ❖ Next type in the command : **./waf --build-profile=debug --enable-examples --enable-tests configure**
- ❖ Next type in the command : **./waf**
- ❖ Next type in the command : **./test.py -c core** (It will take about 15-30 mins)
- ❖ Next type in the command : **./waf --run hello-simulator**(If you see build successfully and the output as Hello simulator ,you have successfully installed the ns3.)

PS:ubuntu is case sensitive.Make sure you have type in the command correctly