sudo apt update

sudo apt install

sudo apt upgrade

How to install c++ compiler :-

sudo apt-get install build-essential g++

Python compiler:-

sudo apt-get install python3 python-dev

NetAnim Packages :-

sudo apt-get install mercurial

Extracting zip file :-

sudo apt-get install bzr

Supporting packages :-

sudo apt-get install tcpdump

sudo apt-get install libxml2 libxml-2

sudo apt-get install wireshark

sudo apt-get install pkg-config

sudo apt-get install sqlite3

sudo apt-get install python3-setuptools

sudo apt-get install girl. 2-goocanvas-2.0

sudo apt-get install python3-gi

sudo apt-get install python3-gi-cairo

sudo apt-get install python3-pygraphviz

sudo apt-get install gir1.2-gtk-3.0

sudo apt-get install ipython3

sudo apt-get install openmpi-bin

sudo apt-get install openmpi-common

sudo apt-get install openmpi-doc

sudo apt-get install libopenmpi-dev autoconf cvs bzr unrar

sudo apt-get install libopenmpi-dev tcpdump

Open browser

nsnam.org

Go to Download

ns- 3.29

Unzip the file

Open file

ns-3. 29

Right click

Open In terminal

./waf configure --enable-examples --enable-tests

./waf --run hello-simulator

For compiling all Program

.build. py --enable-examples --enable-tests

ns-3. 29

Example

Tutorial

Right click and copy first.cc

Paste in scratch folder

We have to add animation code

Include header file:-

#include "ns-3/netanim-module.h"

#include "ns-3/mobility-module.h"

Applicationcontainer clientapps chya 2 line sodun Pudhe

MobilityHelper mobility;

mobility.SetMobilityModel("ns3::ConstantPositionMonilityModel" );

mobility.Install(nodes)

AnimationInterface anim("first.xml");

AnimationInterface::SetConstantPosition(nodes.Get(0),45,56);

AnimationInterface::SetConstantPosition(nodes.Get(1),50,56);

anim.EnablePacketMetadata(true);

pointToPoint.EnablePcapAll("FirstWire");

./waf --run scratch/first

ls \*.xml

NetAnim folder

Right click open in terminal

./NetAnim

Open folder

Ns all-in-one

Search First. Cc

Ns-3, open in terminal

ls \*.pcap

wireshark Firstwire-1-0. pcap

sudo chmod 4711 'which dumpcap'

Export packet disections and save the file