

Unlike earlier version of Ubuntu, the 18.04 version does not support the direct installation of ns2, because of the latest C/C++ compiler (7.x), but the latest C/C++ compiler supported by ns2 is gcc-4.8. Here, we're going to install ns2.35 on Ubuntu version 18.04:

1- Download ns2.35 package.

<https://sourceforge.net/projects/nsnam/files/latest/download/>

2- tar zxvf ns-allinone-2.35.tar.gz

3- sudo apt install gcc-4.8 g++-4.8

4- sudo apt update

5- sudo apt install build-essential autoconf automake libxmu-dev

6- gedit ns-allinone-2.35/ns-2.35/linkstate/ls.h

in line number 137, change erase to this->erase

7- cd ns-allinone-2.35/ns-2.35/

8- export CC=gcc-4.8 CXX=g++-4.8 && ./install

9- patch the PHR protocol by to place phr.patch in the same directory of ns-allinone-2.35 then

type in terminal: patch -p0 < phr.patch

Now you just need to recompile ns2,

cd ns-allinone-2.35/ns-2.35

then type in terminal: export CC=gcc-4.8 CXX=g++-4.8 && make