

INSTALLATION OF NS2 IN LINUX

- 1 Download ns-allinone-2.34.tar from www.isi.edu
- 2 Place ns-allinone-2.34.tar in your desired directory; like /home/student

Then extract ns-allinone-2.34. using this command.

```
$ cd /home/student
$ tar -xvf ns-allinone-2.34.tar
```

3

Now go to /home/student/ns-allinone-2.34.

Then install ns2 using this command

```
./install
```

4 PATH SETTING

```
$ gedit ~/.bashrc
```

this command will open a existing file in editor.

Just put the following path which is given bellow.

[remember that your ns-allinone path is /home/student. you will change this path according to your ns-allinone folder's path]

```
# LD_LIBRARY_PATH
```

```
OTCL_LIB=/home/student/ns-allinone-2.34/otcl-1.13
```

```
NS2_LIB=/home/student/ns-allinone-2.34/lib
```

```
X11_LIB=/usr/X11R6/lib
```

```
USR_LOCAL_LIB=/usr/local/lib
```

```
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:$OTCL_LIB:$NS2_LIB:$X11_LIB:$USR_LOCAL_LIB
```

```
# TCL_LIBRARY
```

```
TCL_LIB=/home/student/ns-allinone-2.34/tcl8.4.18/library
```

```
USR_LIB=/usr/lib
```

```
export TCL_LIBRARY=$TCL_LIB:$USR_LIB
```

```
# PATH
```

```
XGRAPH=/home/student/ns-allinone-2.34/bin:/home/student/ns-allinone-2.34/tcl8.4.18/unix:/home/student/ns-allinone-2.34/tk8.4.18/unix
```

Note: the above two lines starting from XGRAPH should come in the same line

```
NS=/home/student/ns-allinone-2.34/ns-2.34/
```

```
NAM=/home/student/ns-allinone-2.34/nam-1.14/
```

```
PATH=$PATH:$XGRAPH:$NS:$NAM
```

then save and exit.

5. to take the effect immediately

```
$source ~/.bashrc
```

6. then perform the validation test using this command.

```
./validate
```

[In the validation period you can see many file not found. It may take a long time. So do not be frustrated]

7. Run ns2 using this command

```
$ns
```

you will get % prompt in your terminal...

now ns2 has been installed.

K.L.Hassan & J. K. Mandal

Good Luck