

MAY 19TH, 2013 | [COMMENTS](#)

How to Install NS2.35 With Mannasim in Ubuntu 13.04

Installation Steps

(open up the terminal and paste the following commands one by one)

1. `cd`
2. `sudo apt-get update && sudo apt-get install build-essential autoconf automake libxmu-dev git openjdk-7-jre`
3. `cd /usr/local/`
4. `sudo git clone git://github.com/paultsr/ns-allinone-2.35.git`
5. `cd ns-allinone-2.35/`
6. `sudo ./install`
7. close the TERMINAL

Sample ns2 programs are available in your home folder: ~/ns2/programs

NSG is a GUI tool for designing wired/wireless networks.Execution command : nsg

NSG documentation is available in your home folder: ~/ns2/docs

Screen Shots

```
paul@dellMini: ~  
paul@dellMini:~$ sudo apt-get update && sudo apt-get install build-essential aut  
oconf automake libxmu-dev git openjdk-7-jre  
[sudo] password for paul:  
Get:1 http://in.archive.ubuntu.com raring Release.gpg [933 B]  
Get:2 http://security.ubuntu.com raring-security Release.gpg [933 B]  
Get:3 http://extras.ubuntu.com raring Release.gpg [72 B]  
Get:4 http://in.archive.ubuntu.com raring-updates Release.gpg [933 B]  
Get:5 http://in.archive.ubuntu.com raring-backports Release.gpg [933 B]  
Get:6 http://security.ubuntu.com raring-security Release [40.8 kB]  
Get:7 http://extras.ubuntu.com raring Release [9,756 B]  
Get:8 http://in.archive.ubuntu.com raring Release [40.8 kB]  
Get:9 http://in.archive.ubuntu.com raring-updates Release [40.8 kB]  
Get:10 http://security.ubuntu.com raring-security/main Sources [9,085 B]  
Get:11 http://extras.ubuntu.com raring/main Sources [14 B]  
Get:12 http://in.archive.ubuntu.com raring-backports Release [40.8 kB]  
Get:13 http://extras.ubuntu.com raring/main i386 Packages [14 B]  
Get:14 http://security.ubuntu.com raring-security/restricted Sources [14 B]  
Get:15 http://security.ubuntu.com raring-security/universe Sources [1,982 B]  
Get:16 http://in.archive.ubuntu.com raring/main Sources [963 kB]  
Get:17 http://security.ubuntu.com raring-security/multiverse Sources [697 B]  
Get:18 http://security.ubuntu.com raring-security/main i386 Packages [33.5 kB]  
Get:19 http://security.ubuntu.com raring-security/restricted i386 Packages [14 B]  
Get:20 http://security.ubuntu.com raring-security/universe i386 Packages [9,675
```

```
paul@dellMini: ~  
dpkg-dev fakeroot g++ g++-4.7 git git-man icedtea-7-jre-jamvm java-common  
libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl  
libatk-wrapper-java libatk-wrapper-java-jni libbonobo2-0 libbonobo2-common  
liberror-perl libgconf2-4 libgif4 libgnome2-0 libgnome2-bin libgnome2-common  
libgnomevfs2-0 libgnomevfs2-common libice-dev libidl-common libidl0
```

```

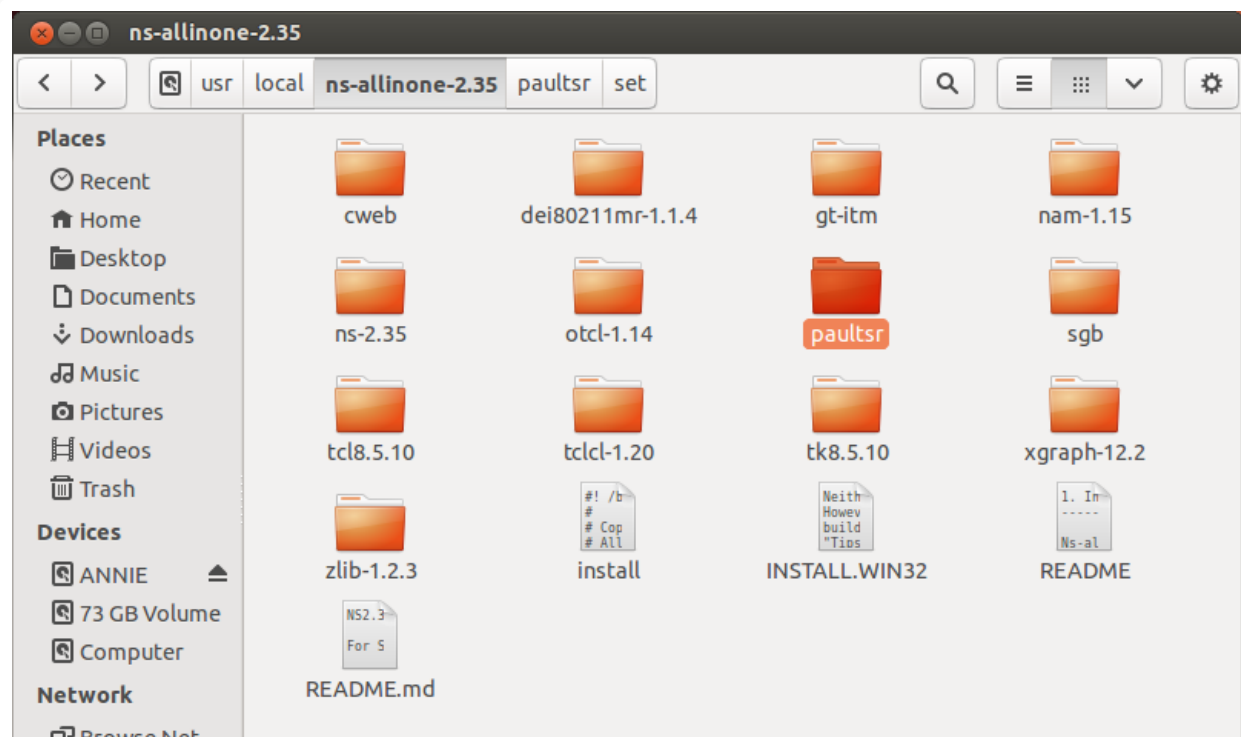
liborbit2 libpthread-stubs0 libpthread-stubs0-dev libsigsegv2 libsm-dev
libstdc++6-4.7-dev libx11-dev libx11-doc libxau-dev libxcb1-dev libxdmcp-dev
libxext-dev libxmu-dev libxmu-headers libxt-dev m4 openjdk-7-jre
openjdk-7-jre-headless openjdk-7-jre-lib ttf-dejavu-extra tzdata-java
x11proto-core-dev x11proto-input-dev x11proto-kb-dev x11proto-xext-dev
xorg-sgml-doctools xtrans-dev
0 upgraded, 58 newly installed, 0 to remove and 27 not upgraded.
Need to get 72.0 MB of archives.
After this operation, 147 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://in.archive.ubuntu.com/ubuntu/ raring/main openjdk-7-jre-lib all 7u2
1-2.3.9-1ubuntu1 [5,541 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu/ raring/main ca-certificates-java all
20121112+nmu2 [13.6 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu/ raring/main tzdata-java all 2013b-1ub
untu1 [141 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu/ raring/main java-common all 0.43ubunt
u4 [134 kB]
8% [4 java-common 118 kB/134 kB 89%] 355 kB/s 3min 6s

```

```

paul@dellMini: /usr/local
paul@dellMini:/usr/local$ pwd
/usr/local
paul@dellMini:/usr/local$ sudo git clone git://github.com/paultsr/ns-allinone-2.
35.git
[sudo] password for paul:
Cloning into 'ns-allinone-2.35'...
remote: Counting objects: 7126, done.
remote: Compressing objects: 100% (6072/6072), done.
remote: Total 7126 (delta 983), reused 7122 (delta 979)
Receiving objects: 100% (7126/7126), 58.57 MiB | 330 KiB/s, done.
Resolving deltas: 100% (983/983), done.
Checking out files: 100% (6859/6859), done.
paul@dellMini:/usr/local$

```



```
paul@dellMini: /usr/local/ns-allinone-2.35
paul@dellMini:/usr/local$ cd ns-allinone-2.35/
paul@dellMini:/usr/local/ns-allinone-2.35$ ^C
paul@dellMini:/usr/local/ns-allinone-2.35$
paul@dellMini:/usr/local/ns-allinone-2.35$ sudo ./install
[sudo] password for paul:
=====
* Testing for Darwin (OS X) environment
* Modified By Paul Shaiju (Paul S)
* Email-id : paultsr@gmail.com
* Website : http://paultsr.in
=====
* Testing for Cygwin environment
* Modified By Paul Shaiju (Paul S)
* Email-id : paultsr@gmail.com
* Website : http://paultsr.in
=====
Cygwin not detected, proceeding with regular install.
=====
* Testing for FreeBSD environment
* Modified By Paul Shaiju (Paul S)
* Email-id : paultsr@gmail.com
* Website : http://paultsr.in
=====
```

```
paul@dellMini: /usr/local/ns-allinone-2.35
ns: /usr/local/ns-allinone-2.35/ns-2.35/ns
nam: /usr/local/ns-allinone-2.35/nam-1.15/nam
xgraph: /usr/local/ns-allinone-2.35/xgraph-12.2

-----
--
-e * Modified By Paul Shaiju (Paul S)
-e * Website : http://paultsr.in
-e * Email-id : paultsr@gmail.com
-e CLOSE the TERMINAL
-e Sample ns2 programs are available in your home folder: ~/ns2/programs
-e ns2 programs can be stored and executed from any folder using ns yourprogram.tcl
-e NSG is a GUI tool for designing wired/wireless networks.Execution command : ns
-e NSG documentation is available in your home folder: ~/ns2/docs
-----
--
For trouble shooting, please visit my site
-e http://paultsr.in
paul@dellMini:/usr/local/ns-allinone-2.35$
```

```
paul@dellMini: ~/ns2/programs
paul@dellMini:~$ ns
% exit
paul@dellMini:~$ ns
paul@dellMini:~$ cd ns2
paul@dellMini:~/ns2$ cd programs
paul@dellMini:~/ns2/programs$ ns tput.tcl
```



System Scenario Window About



System Scenario Window About

Wired scenario

File

Draw

Mode

Hand

Node

Link

Agent

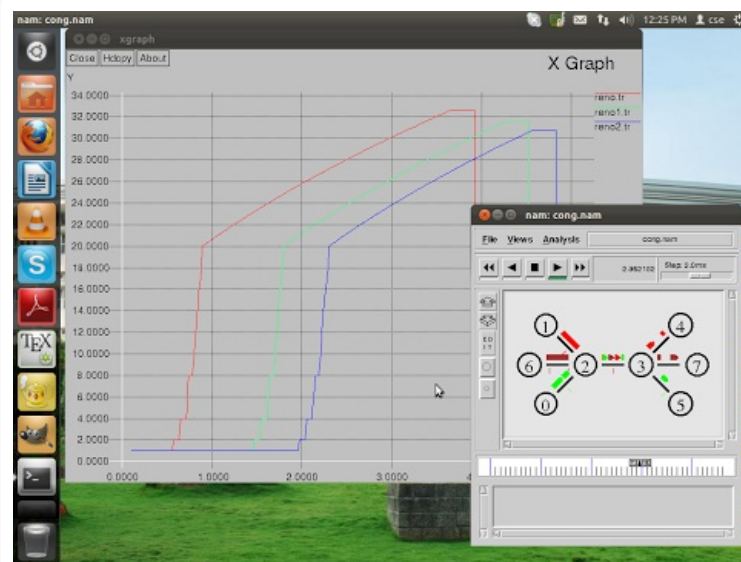
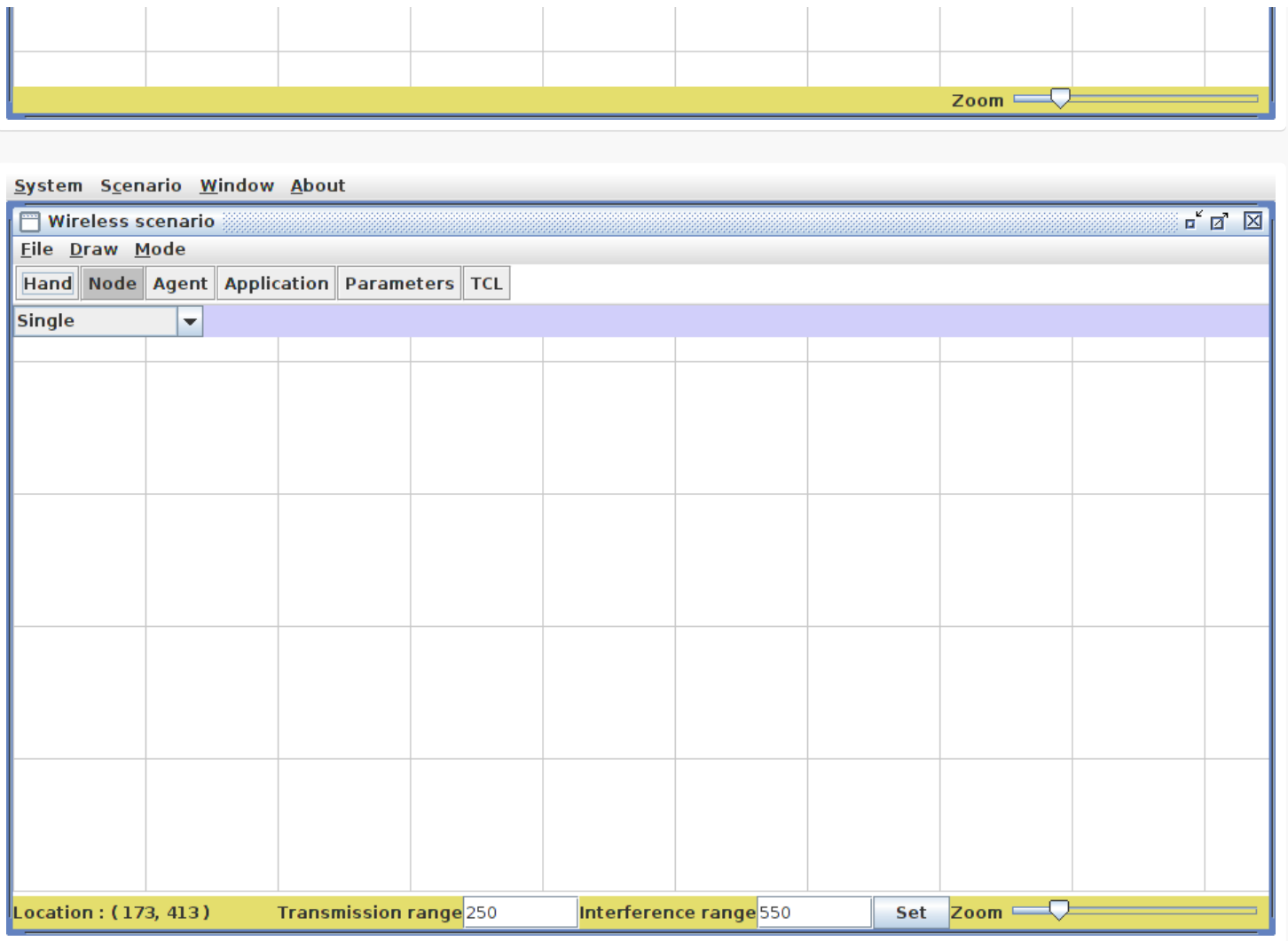
Application

Parameters

TCL

Single

Web2PDF
converted by Web2PDFConvert.com



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Tested in Ubuntu 13.04 and JOSS Linux 1.10.3

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About Paul S



Presently Working as Asst. Professor in Department of CSE at Jyothi Engg. College, Thrissur.
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Jyothi Engg. College Files n Formats

ns-allinone-2.35

ns2.35 with mannasim patched

paultsr.github.com

My Website Hosting

pp.cesa.co.in

Source code for CS09 404 - PP Sessional Marks (RAW) of CSE 2011 - 2015 Batch, Jyothi Engineering College, Thrissur

programs

Programs in C/C++/Java/Clisp/Prolog/.....

scripts

A collection of shell scripts that I intend to add to over time.

test

For testing purpose only

@paultsr on GitHub

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1d

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1w

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