Vidyavardhini's College of Engineering & Technology



Department of Computer Engineering Academic Year: 2023-24

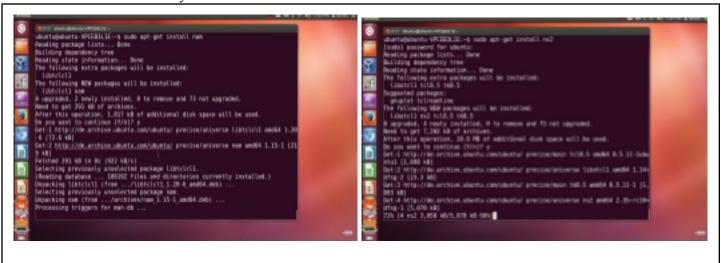
Experiment No 7

Aim: Study and installation of network simulators[NS2]

Theory: NS2, or Network Simulator 2, is a widely used open-source discrete event network simulator. It is primarily used for simulating and analyzing the behavior of computer networks. NS2 allows researchers and network engineers to model complex network scenarios and study the performance of various network protocols and algorithms in a controlled environment. Some of its industrial applications include:

- Network Protocol Development
- Quality of Service (QoS) Testing
- Wireless Network Design
- Security and Intrusion Detection
- Routing and Traffic Management
- Education and Training
- Research and Development
- Capacity Planning

Overall, NS2 is a versatile tool that finds applications in a wide range of industries where computer networking and communication systems are essential for operations, research, and development. Its flexibility and open-source nature make it a popular choice for network simulation and analysis.



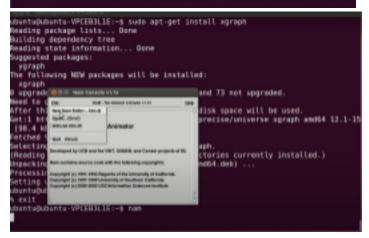


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ubuntuqubuntu-VPCEB3LIE:-S sude apt-get install xgraph
Reading package tist... Done
Building dependency tree
Building dependency tree
Buading state information... Done
Suggested packages:
   ygraph
The following NEW packages will be installed:
   agraph
8 upgraded, 1 newly installed, 8 to remove and 73 not upgraded.
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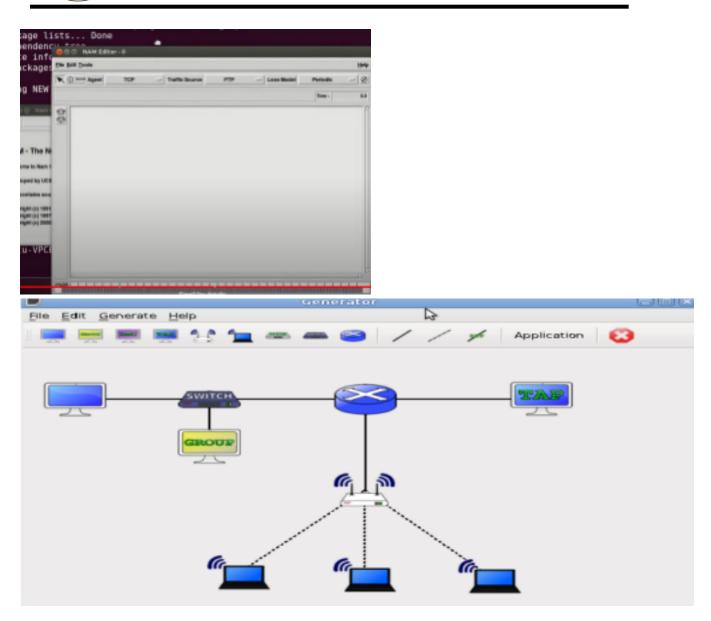
UBuntupubuntu-VPCEB3LIE:-5 sudo apt-get install agraph
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
 ygraph
The following NEW packages will be installed:
 ygraph
8 spgraded, 1 newly installed, 8 to remove and 73 not upgraded.
Need to get 90.4 kB of archives.
After this operation, 245 kB of additional disk space will be used.
Get:1 http://de.archive.ubuntu.com/ubuntu/ precise/universe xgraph amd84 12.1-15
[38.4 kB]
Selecting previously unselected package xgraph.
[Reading database ... 182205 files and directories currently installed.]
Unspecking ygraph (from .../agraph 12.1-15_am664.0eb) ...
Processing triggers for man-db ...
Setting up xgraph (12.1-15) ...
Ubuntupubuntu-VPCEB3LIE:-5 |





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Conclusion: We have studied and installed Network Simulator (NS3).