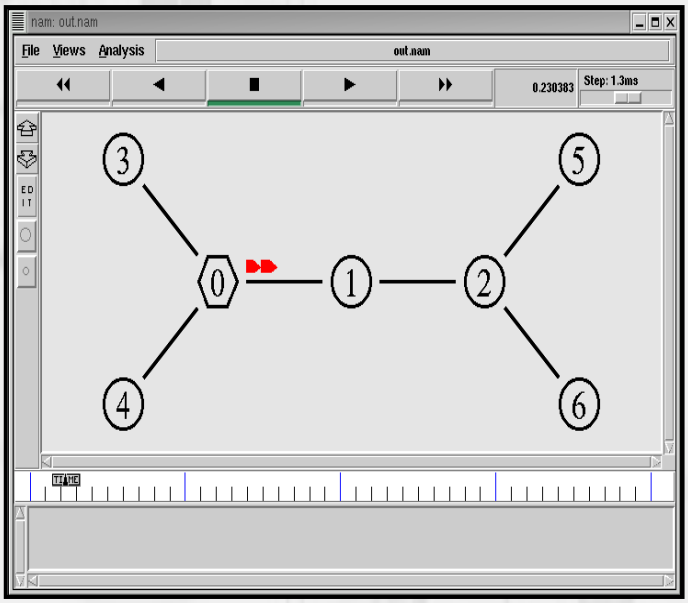
Network simulation made Easy



A network simulator is software that predicts the behavior of a computer network. Since communication Networks have become too complex for traditional analytical methods to provide an accurate understanding of system behavior, network simulators are used. In simulators, the computer network is typically modeled with devices, links, applications etc. and the performance is analysed. Simulators typically come with support for the most popular technologies and networks in use today.

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There are many open-source and commercial network simulators. There are a wide variety of network simulators, ranging from the very simple to the very complex. Minimally, a network simulator must enable a user to represent a network topology, specifying the nodes on the network, the links between those nodes and the traffic between the nodes. More complicated systems may allow the user to specify everything about the protocols used to handle traffic in a network

SIMULATION TOOLS

1. Traffic
Developed by: E. Software
2. PhySim
Developed by: Tetcos
3. NetSim
Developed by: tetcos
4. Shunra Virtual Enterprise
Developed by: Shunra
5. OPNET
Developed by: O. Technologies
6. GloMoSim
Developed by: UCLA
7. CNet
Developed by: C. M. U. of Western Australia
8. OptSim
Developed by: R. D. Group
9. GTNetS
Developed by: GeorgiaTech
10. The Network Simulator - ns2
Developed by: U. of Southern California
11. OMNeT++
Developed by: O. C. Site

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