

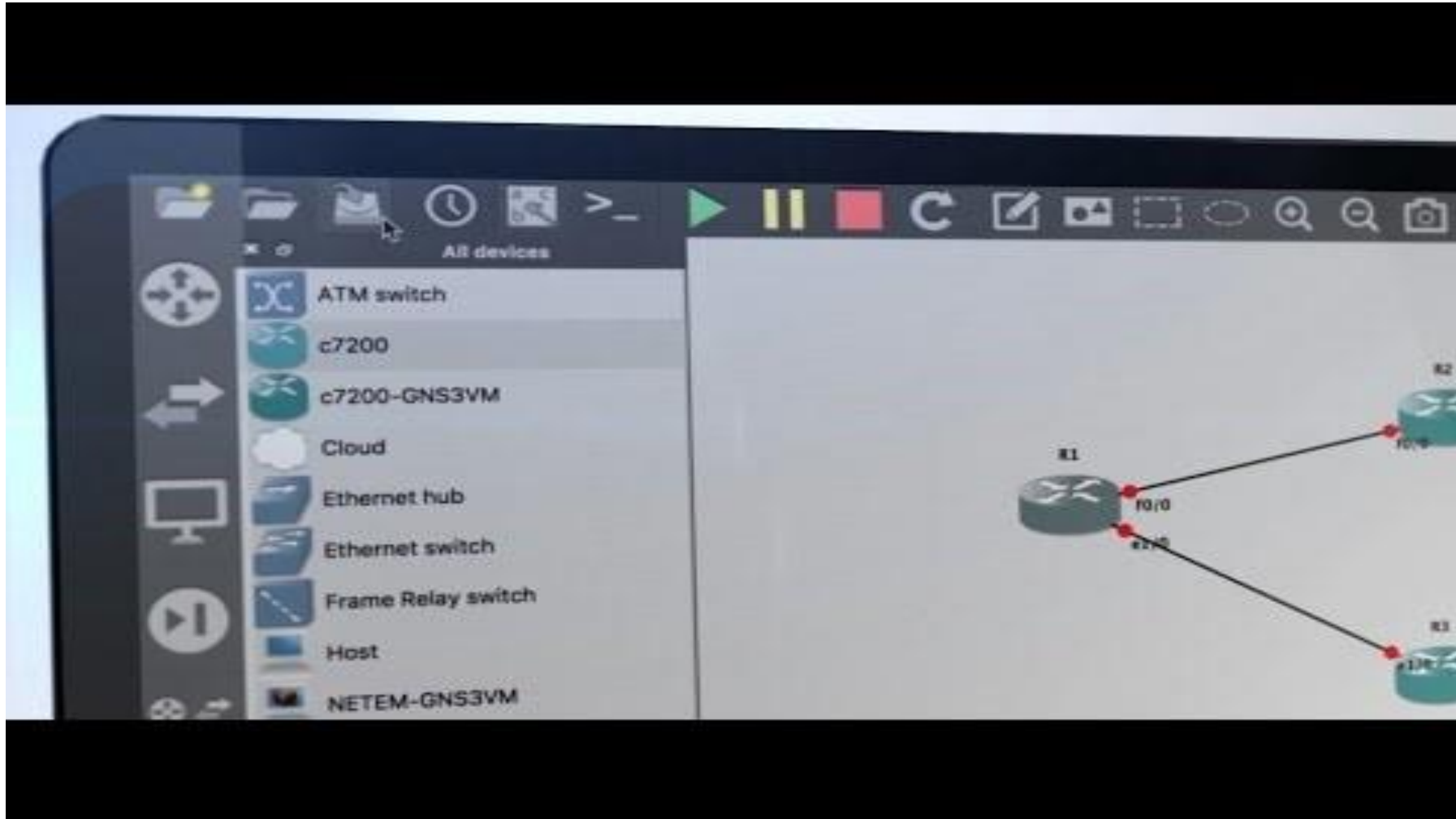
Network Simulating Tool

Networking is a system of computers that are connected so that they can share resources and communicate internally and even globally. The people that help to oversee that the network is working correctly are the network engineers. For the network engineer to be able to monitor the systems adequately, they will need the network simulation tools.

some of the most used network simulation tools.

- GNS3-Design and Configure
- This is a network emulation software that will allow you to see how the network devices interact in the network topology.
- This software is used for training in the International Network Certifications.
- The process of configuring this network simulation tool is not that difficult if you follow the right steps.

Video



Cisco Packet Tracer

- CISCO systems designed this simulation tool as a cross-platform simulation tool.
- This simulation tool will allow you to create network topologies and to imitate the network in modern computer networks.
- Cisco will allow you to simulate the configuration through the affected command interface.
- It also comes with a Packet Tracer that will enable you to connect multiple topologies to one another over your computer's network.

Putty Configure

- This is a free terminal emulator, an application for network file transfer and a serial console.
- It is designed to support several network protocols and facilitates raw socket connection.
- Setting up this network simulator on your computer is very easy.

Benefits



Provides Detailed Insights

Simulation software provides detailed insights of any system, equipment, or process on a real-time basis which a spreadsheet can fail to provide. For example, simulation software can provide you the information about warehouse storage space available for a required date.



Enhances Visualization

Using simulation software, you can prepare presentations in the form of 2D/3D, helping you to communicate your ideas and concepts in a better manner and to be understood by the people easily. You can gain the trust of your managers and subordinates by demonstrating the model in real action.



Enables Risk-Free Environment

Using simulation software is the best option to explore and test the "what-if" situations without any risk of time and money. The effect of changing machinery in a manufacturing unit can be known without putting production at risk. You can actually make the right decision, before implementing an idea into actual action.

Open Source Simulation Software

Open source software is software that comes under an open source license. This implies that every recipient of the software can freely study its source code, modify it, and distribute it. This software typically does not require a license fee.

- Antidote (NRE Labs)
- Cloonix
- CORE
- GNS3