

FAQS

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1. Can you replicate multiple different network conditions simultaneously?

Yes - Network links can be configured within the product, each can be setup to have different network conditions. Please see 'What is a network link?' and 'How do I direct traffic down a particular link?' for more information.

2. What is a Network Link?

A network link is a set of defined network conditions, such as Bandwidth Restrictions, Latency, Loss, Congestion etc. Separate conditions can be defined for each direction of the network link. The maximum number of simultaneous network links is model dependent.

3. How do I direct traffic down a particular network link?

Each link has a set of qualification parameters. Defining these parameters will allow you to direct traffic down a particular link, to give the traffic a particular network experience.

You can qualify traffic by:

- IP Address
- TCP / UDP Ports
- VLAN
- Advanced (Wireshark-like) Expressions

or any combination of the above.

There is no need to setup complex routing.

4. How many Physical Emulation Ports do I need?

Using switches means you can connect multiple devices to one port. The port is limited to a maximum bandwidth, if you require more bandwidth for the devices, you can connect some of your devices to the next port pair, if available.

5. How many Network links do I need?

You need a network link for each set of network conditions that you wish to run simultaneously.

6. What is the Network Management Port for?

The network management port allows you to connect the NE-ONE Professional to your network, so that you can access the Web GUI to manage your test networks. It is not part of the test network.

7. What is a Flex Emulator?

A flex emulator is a virtual emulator. The NE-ONE Professional Emulator is available to purchase as a VMWare Certified Virtual Appliance, in order to integrate with virtual environments.

8. Can the NE-ONE Network Emulator be used in an office environment?

Yes - The NE-ONE Professional Desktop unit is designed to be quiet and compact enough for use in an office environment, as well as a lab environment.

9. How long does it take to setup and configure an NE-ONE Professional Emulator?

The NE-ONE Professional Emulator has been developed with ease-of-use in mind. The NE-ONE Professional Emulator can be deployed easily into your office, lab or virtual environment in minutes. Just plug it in, turn it on and license it; then you're ready to go.

10. Can I do everything through the Web Gui?

Yes - The NE-ONE Professional system enables you to control all its configuration and functionality through its intuitive and easy-to-use Web GUI.

11. Is there an API Capability?

Yes - The NE-ONE Professional Model 20 and X-Series support API and CLI functionality.

12. Can the NE-ONE Professional be used by multiple users/teams?

Yes - You give multiple users access to the Web GUI. Some models allow multiple emulations to be run independently.

13. Can you automate the emulator?

The NE-ONE Professional's easy-to-use, graphical, drag-and-drop Network Scenario Builder allows you to rapidly setup dynamic network scenarios in order to replicate the changing conditions that applications might experience, for example, a degrading 4G Mobile Network to a 3G Mobile Network.

14. What Warranty and Support Services do you offer?

iTrinegy provides a full 12 months Support and Maintenance service, as standard with your initial purchase, which gives you access to all new product updates; Email & Telephone Support and Appliance Warranty. Support and Maintenance Services can be extended for subsequent years.

15. Can the emulator pass traffic when no emulation is running?

Yes - 'default transmission' allows network traffic to pass through the appliance unimpaired whilst no emulation is running.

16. How can I connect devices which do not have an ethernet port (e.g a Mobile Device) ?

By deploying a wireless access point and connecting it to the emulator using ethernet, wireless devices can be connected to the emulator. A Test Network within the emulator can then be defined to replicate suitable mobile networks (e.g. 3G / 4G / 5G)

17. Will the product work in-line with applications?

Yes - The emulator is designed to be able to work in-line between clients and servers without having an effect on the network traffic, other than the impairments defined in an emulation.

18. Is the NE-ONE a Layer 2 or Layer 3 device?

The NE-ONE Professional can be configured as either a Layer 2 or Layer 3 device as required.