NE-ONE Enterprise

Customer Presentation

September 2023

What is a Software-Defined Test Network (SDTN)?

Real Network

Users

Mobile   Cloud   WAN   Internet   WiFi   Satellite
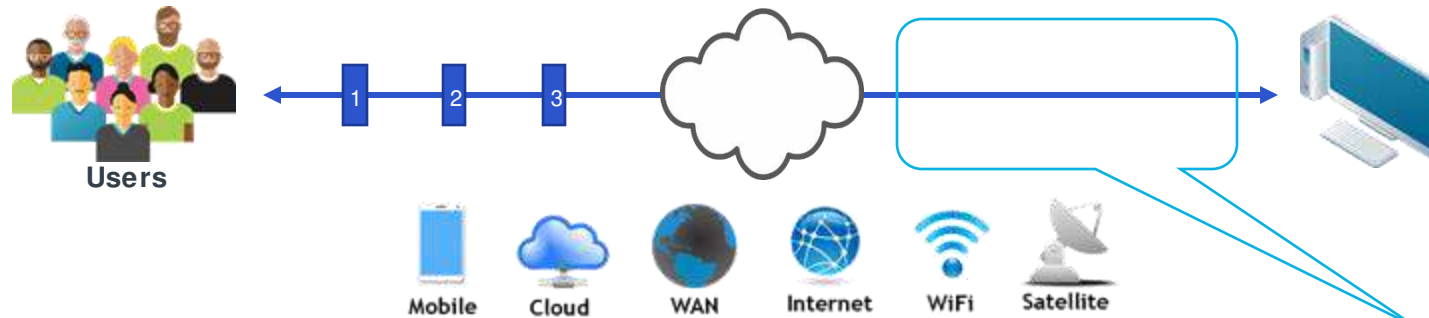
- Delayed (Latency & Jitter)
- Re-ordered/Duplicated
- Lost/Corrupt
- Queued & Congestion

Software Defined Test Network

Mimicking the effects of real-world networks

Test Network(s)

Accurate, Controllable and Repeatable Networks and Conditions

NE-ONE Enterprise – Highlights

Accelerate application readiness with an accurate, controllable and repeatable test network!

- Fast, flexible and easy deployment
- Ease of use
- Rapid analysis
- Powerful integration

Hardware Appliances

Virtual Appliances

NE-ONE Enterprise 1Gbps 1U Rack Models

NE-ONE Enterprise Model-2

2 x 1Gbps Emulation Ports; 16 Soft Ports; 20 Network Objects
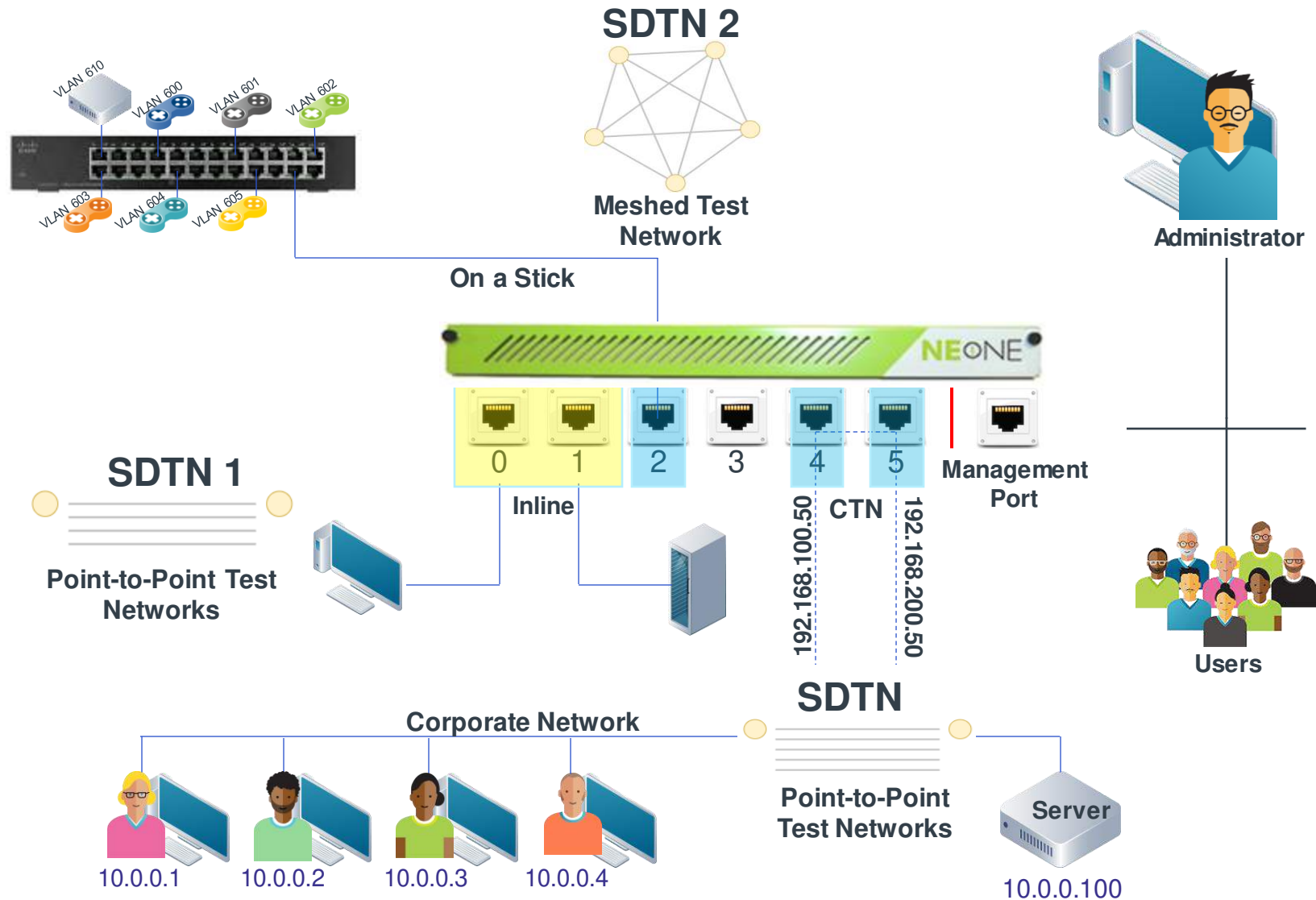
NE-ONE Enterprise Model-4 1G

4 x 1Gbps Emulation Ports; 32 Soft Ports; 30 Network Objects

NE-ONE Enterprise Model-6 1G

6 x 1Gbps Emulation Ports; 48 Soft Ports; 40 Network Objects

NE-ONE Enterprise Model-8 1G

8 x 1Gbps Emulation Ports; 64 Soft Ports; 50 Network Objects

NE-ONE Enterprise 10Gbps 1U Rack Models

NE-ONE Enterprise Model-2 10G

2 x 10Gbps & 2 x 1Gbps Emulation Ports; 64 Soft Ports; 30 Network Objects

NE-ONE Enterprise Model-4 1G

4 x 10Gbps & 2 x 1Gbps Emulation Ports; 128 Soft Ports; 50 Network Objects

NE-ONE Enterprise Model-6 1G

6 x 10Gbps & 2 x 1Gbps Emulation Ports; 192 Soft Ports; 70 Network Objects

Fast, Flexible and Easy Deployment

SDTN 2

Meshed Test Network

On a Stick

VLAN 610 · VLAN 600 · VLAN 601 · VLAN 602
VLAN 603 · VLAN 604 · VLAN 605

NEⓞNE

0   1   2   3   4   5   Management Port

Inline   CTN

192.168.100.50   192.168.200.50

SDTN 1

Point-to-Point Test Networks

Administrator

Users

SDTN

Point-to-Point Test Networks

Corporate Network

10.0.0.1   10.0.0.2   10.0.0.3   10.0.0.4

Server

10.0.0.100

EASE-OF-USE: Web GUI

EASE-OF-USE: Network Topology Wizard

EASE-OF-USE: Point To Point Networks
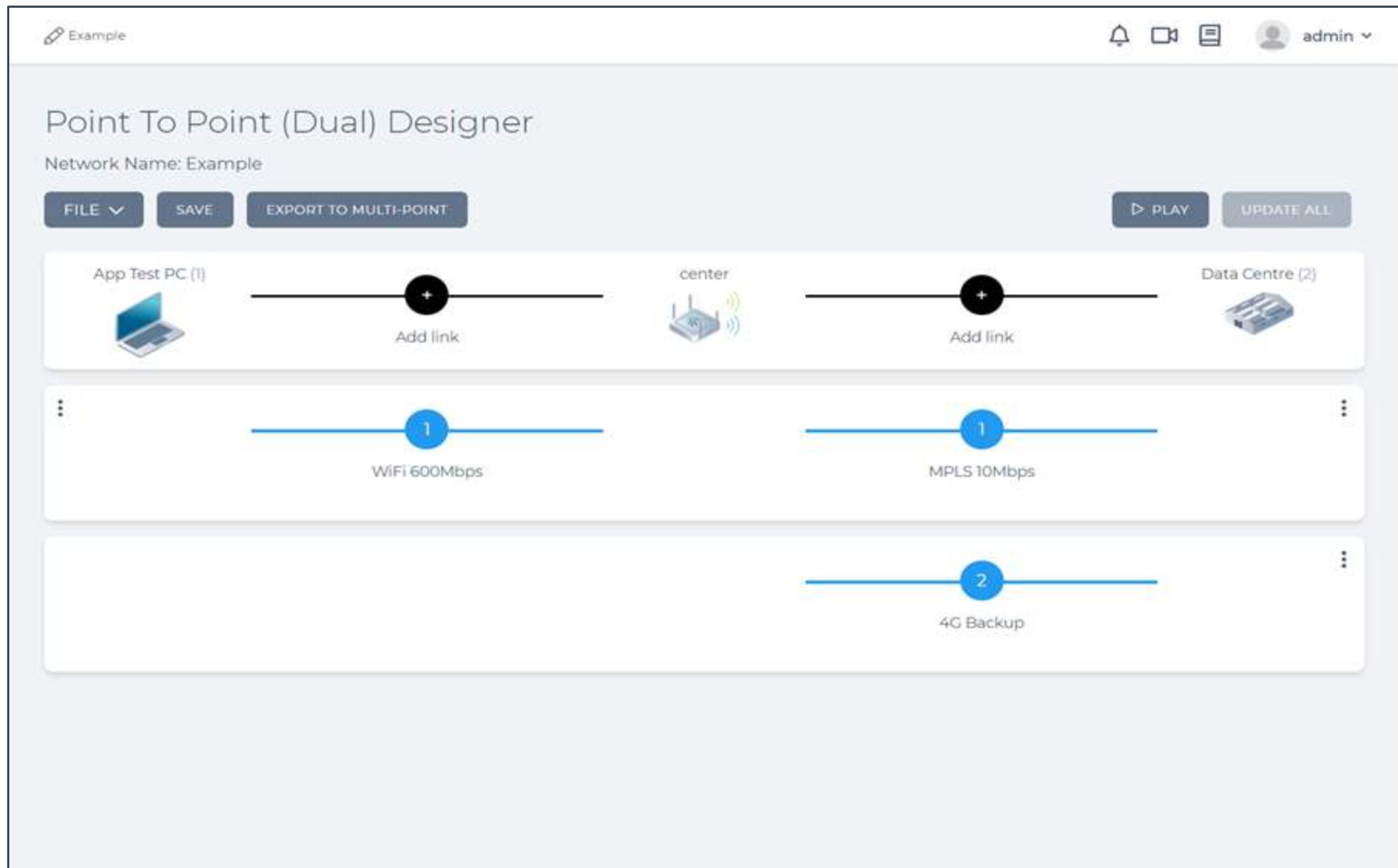
EASE-OF-USE: Multi-Point Designer
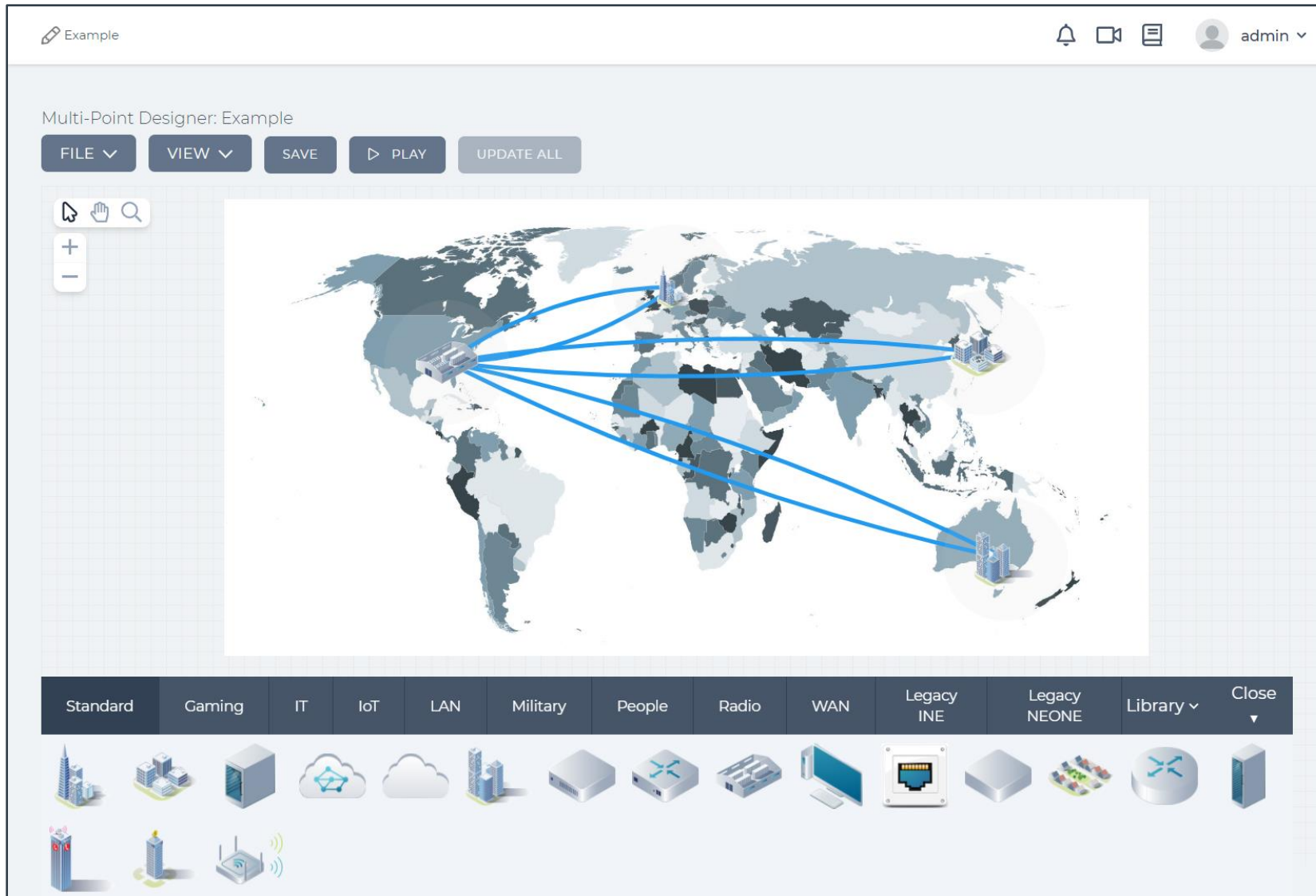
EASE-OF-USE: Multi-Point Designer
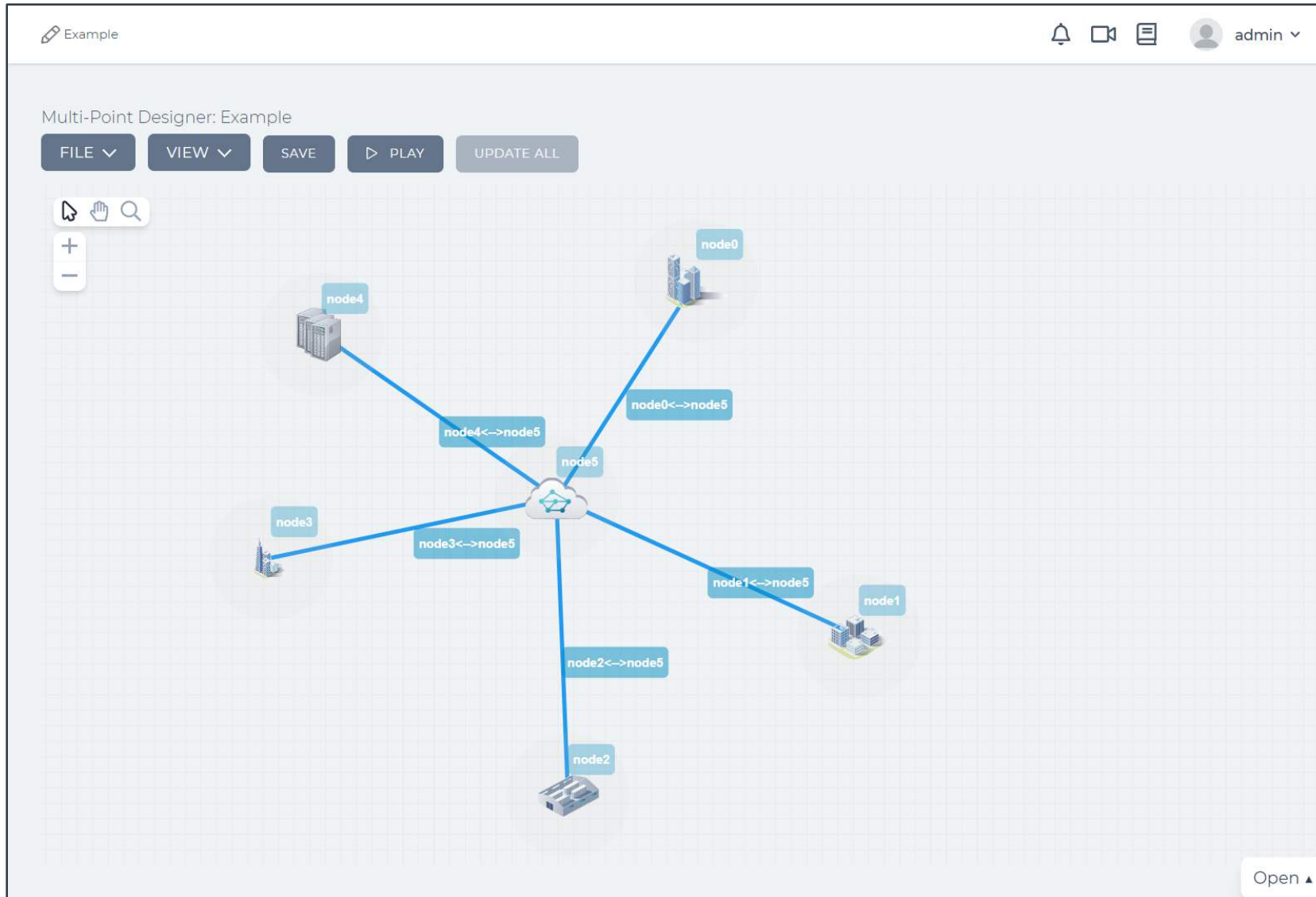
EASE-OF-USE: Cloud Networks
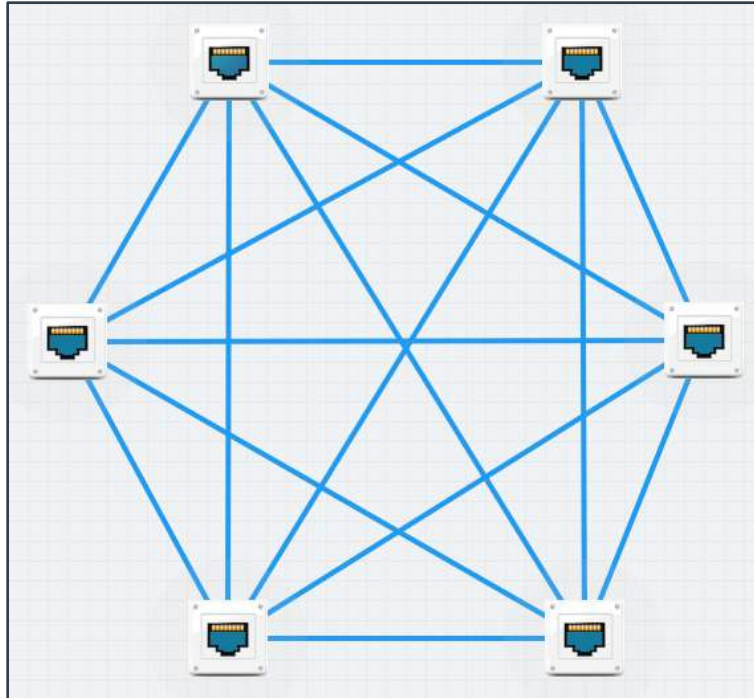
6 Nodes - Without Cloud Feature
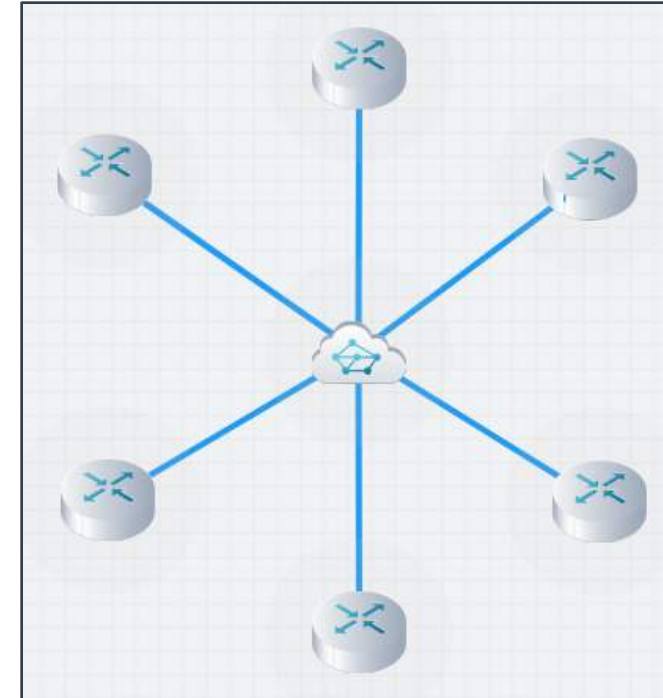
6 Nodes - With Cloud Feature

EASE-OF-USE: Network Scenario Builder

EASE-OF-USE: Port Manager

EASE-OF-USE: Realism

Superior Real-world Impairments
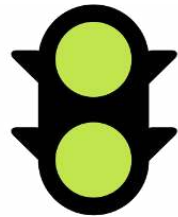
Congestion
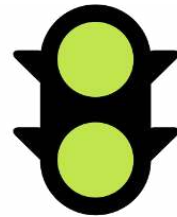
Traffic Generation

Packet Replay

Intelligent Packet Replay
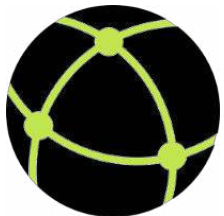
Geolocation Network Latency Calculator
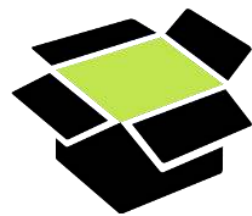
Out-of-the-Box Test Networks

User Defined Protocols

Advanced Packet Handling

Cisco QoS Class of Service Handling & Traffic Shaping

Intelligent Packet Replay
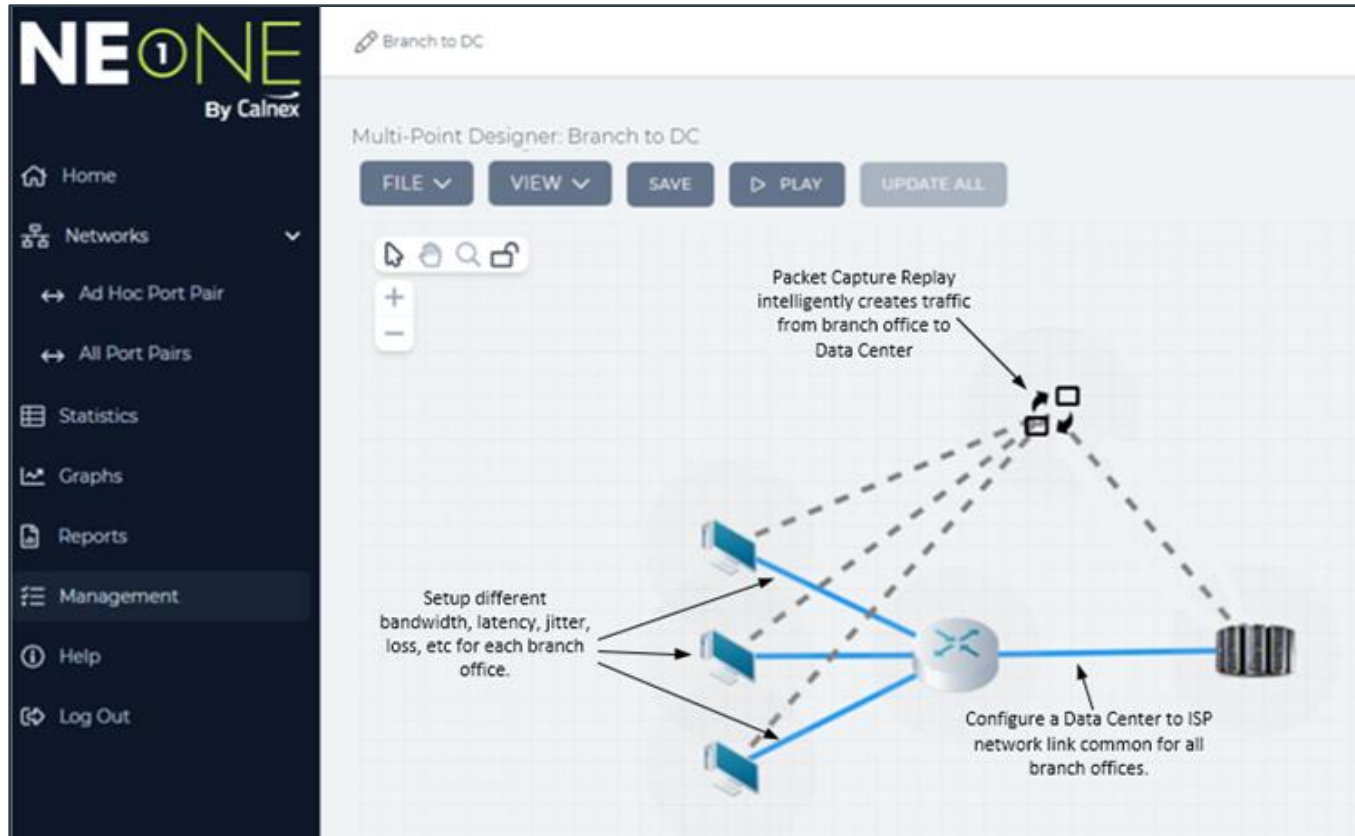
- ✓ Replay traffic from PCAP file

- ✓ Takes into consideration the test network characteristics

- ✓ Run What-If scenarios

Rapid Analysis

Graphs
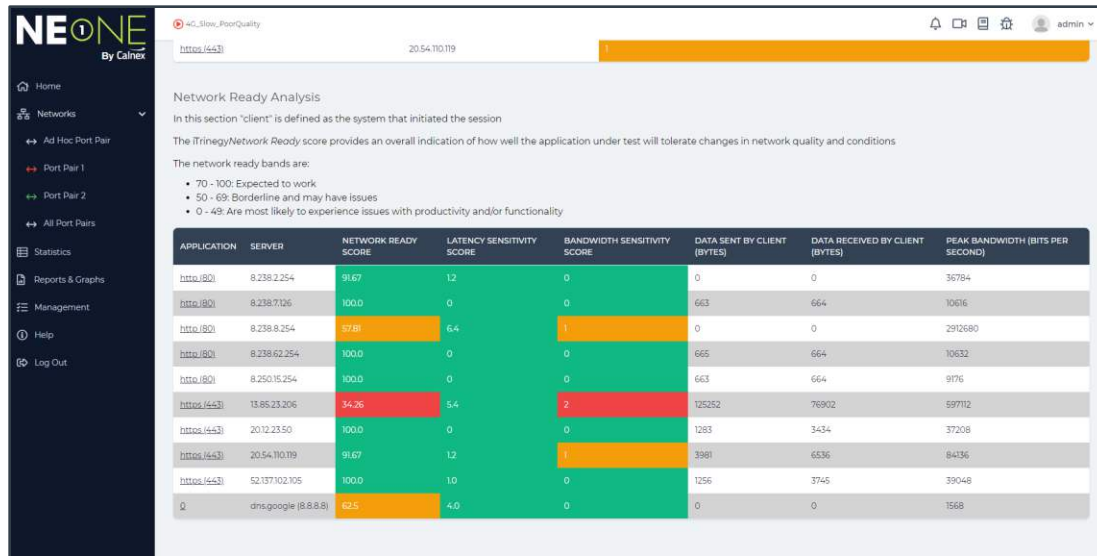

Statistics

Packet Capture
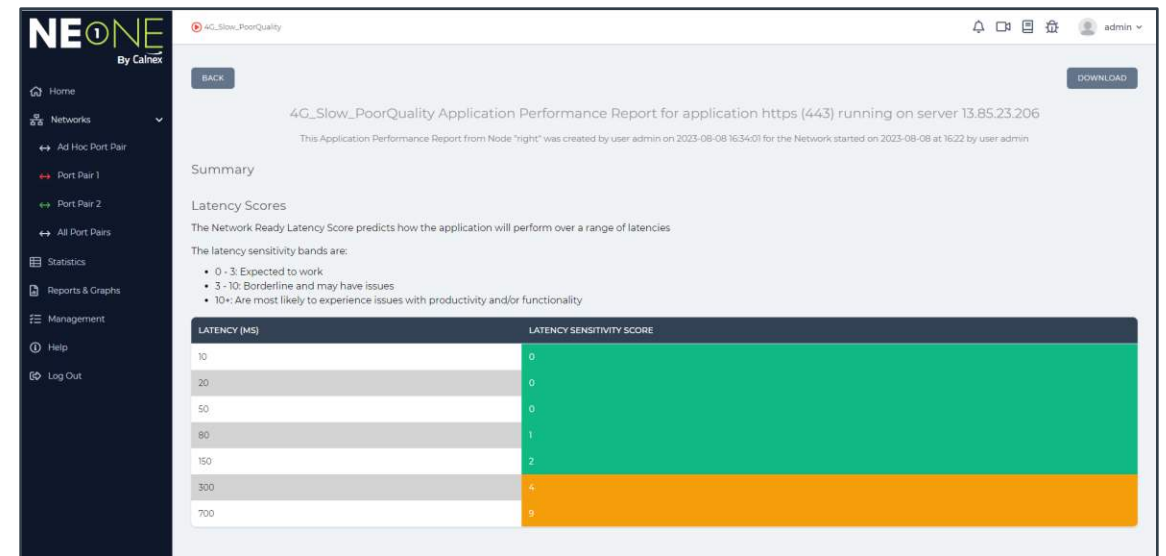
Rapid Analysis: Reports

How was the test network configured?

What happened during the test?

Rapid Analysis: Predictive Analytics

Applications Report

Application Performance Report

Powerful Integration

Optional Feature

INTUITIVE REST API PROGRAMMER'S GUIDE

RESTful API

External Tools
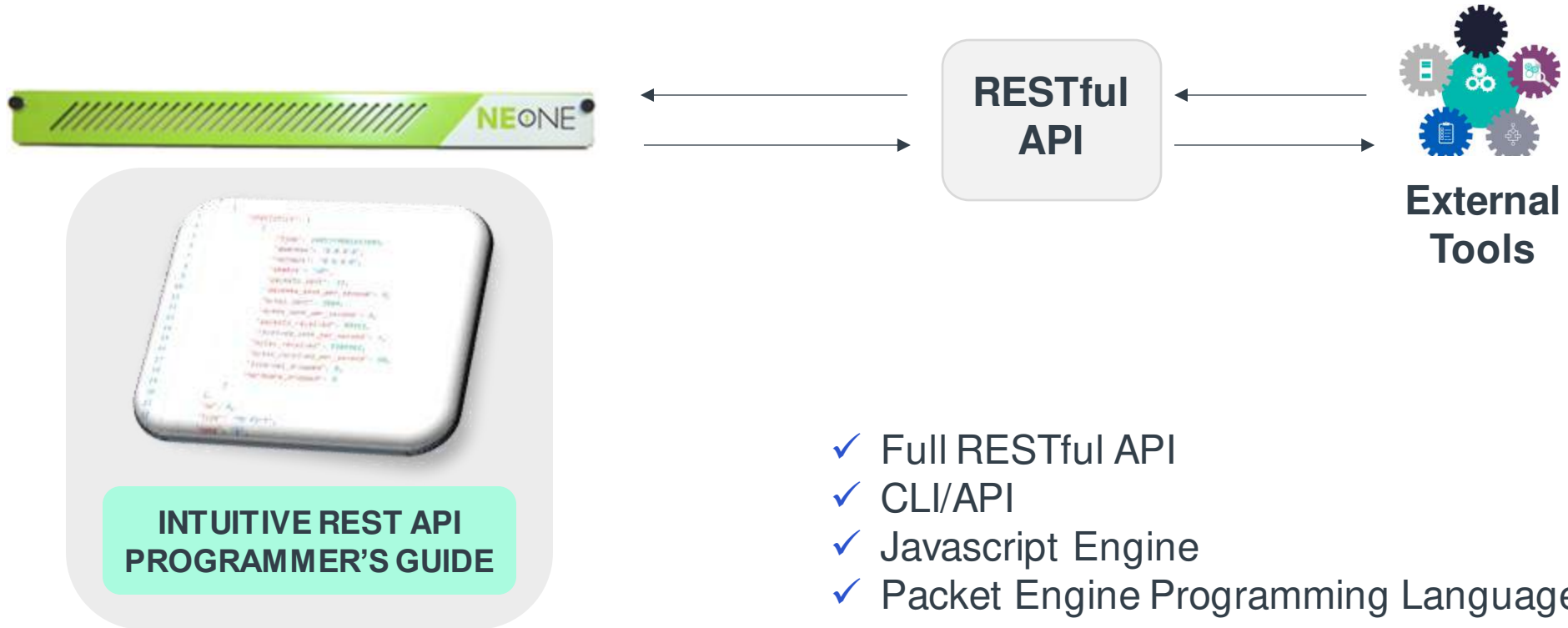
✓ Full RESTful API
✓ CLI/API
✓ Javascript Engine
✓ Packet Engine Programming Language

Resources

- **Web**: Network Impairment and Emulation Testing
- **Datasheet**: NE-ONE Enterprise

Virtual Appliances

Hardware Appliances

![Spirent logo]