



Agilent N2X Carrier Routing Solution

Best in Class Testing of Carrier IP Networks

Unparalleled test realism and scalability to verify ultimate performance with Agilent N2X.

Agilent N2X is the industry's most comprehensive test solution for testing the development and deployment of network services for converging network infrastructures. Service providers, network equipment manufacturers (NEMs), and component manufacturers can verify service attributes of entire networks end-to-end, while also isolating problems down to individual networking devices and subsystems.

Carrier Networks are evolving towards a converged IP/MPLS infrastructure to more efficiently deliver triple-play services and lower network operating costs. Only Agilent N2X comprehensively and realistically verifies the ultimate performance, scalability and resiliency of carrier grade services and infrastructures, which includes the ability to stress both the network data and control planes.

Agilent N2X Carrier Routing solution delivers:

- The industry's leading multi-protocol emulation and traffic generation for realistic network and service emulation
- Extensive interface range (10/100 Ethernet to OC-768c) to simulate any part of the network
- Powerful measurement and analysis tools to rapidly isolate problems
- Accelerate testing productivity with focused applications and conformance test suites
- Comprehensive API and QuickTest library for complete automation and repeatability



The Agilent N2X Carrier Routing Solution

Scalability: Test extreme network conditions

The scalable performance of underlying carrier-grade devices is critical to the network's ability to efficiently and reliably deliver the new wave of services.

With the industry's most powerful layer 2/3 traffic generation and protocol scalability, Agilent N2X can test the ultimate performance of the device's ability to deliver network services.

- Highest stream scalability through the generation and measurement of over 32,000 unique streams representing customer service levels (QoS) per port
- Most comprehensive network services coverage including Carrier Ethernet, Layer 2/3 MPLS VPN, VPLS and Multicast VPN services
- Industry's most complete and scalable protocol emulation to simulate a complex real-world multi-protocol environment
- N2X XS-2 Test Cards deliver industry-dominating protocol scalability and performance - up to 8,000 BGP-4 peers or 1500 OSPF sessions per card

Innovation: Industry leading solutions

N2X builds upon Agilent's long established reputation of innovation through continuous industry leadership in carrier routing test methodologies and test capability.

Agilent N2X has spearheaded definition of test methodologies and procedures to evaluate cutting edge services such as Layer 2/3 MPLS VPNs and multicast. Furthermore, Agilent N2X has enabled network services innovation through the delivery of industry first solutions for VPLS, GMPLS, 40G and most recently MEF Conformance and Multicast VPN.

Versatility: Test without boundaries

Agilent N2X delivers the ability to verify infrastructures and services in a single correlated test platform, allowing users to validate service deployment faster and more economically. N2X's unique ease of use features simplify testing and provide users with the versatility to test without boundaries.

- Powerful and easy-to-use GUI combines multi-layer testing into a single control and analysis point, delivering greater time-to-insight
- Industry's most comprehensive MPLS and High Availability solutions completely characterise the resiliency of carrier-class network operation
- Flexible PDU Builder allows user to edit any field and generate any type of encapsulation that realistically represents Internet traffic
- Topology builder that enables rapid creation of complex multi-protocol VPN topologies

Companion N2X Products

The Agilent NetworkTester is a highly scalable and flexible solution for performance testing Layer 4-7 security and content networking devices. As a companion to N2X, the combined solution provides best in class testing across Layer 2-7.



www.agilent.com/comms/networktester

For more information, please visit:

www.agilent.com/comms/N2X

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