



VoIP and IPV6

Does your firewall perform?

Network Operators and System Integrators

Networks need to prioritize VoIP traffic. Unfortunately, the VoIP performance of firewalls, routers and gateways can be impacted by many factors, creating new test challenges:

- NAT traversal for SIP and H.323 can add voice latency.
- IPsec encryption drastically reduces voice call throughput.
- New Denial of Service attacks severely disrupt VoIP and VoIPv6 services.
- Data applications such as web, P2P and email can seriously degrade VoIP quality of service.
- IPv6 dual-stack operation adds complexity that can sap device call set-up rates.

Agilent's new VoIP test software for NetworkTester enables you to measure VoIP performance and ensure that your network equipment will scale to meet QoS requirements.

NetworkTester – An Integrated Solution

By taking an integrated approach to testing, the Agilent NetworkTester accelerates your development or deployment of next-generation devices and networks.

The NetPressure application covers all your security and content networking test needs:

- Emulate both H.323 and SIP calls (signaling and data) for realistic system testing.
- Mix stateful VoIP and data traffic to verify prioritization and ensure QoS.
- Introduce DoS attacks and measure the impact on VoIP performance.
- Scale VoIP traffic to emulate tens of thousands of calls per second and simultaneous calls to determine system performance limits.
- Test VPN devices and simulate encrypted VoIP traffic – both IPsec and IPsecv6 are seamlessly integrated into NetworkTester's powerful Test Plan environment.

Complete Test Coverage

Agilent NetworkTester's layer 4-7 protocol test capabilities complement the layer 2-3 capabilities of Agilent's N2X, providing a complete solution for testing IPv6 and IPv4 equipment and networks. Agilent NetworkTester customers can now upgrade their equipment for testing VoIP and VoIPv6.



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