10Gig development and deployment

Simulate 10Gig IP networks

PacketStorm 4XG IP network simulators provide a complete "network-in-a-box" that can be used stand-alone or in-line with a real network to provide a controlled test environment to investigate application and network interaction and behaviour under real-world and worst case conditions. Throughput in excess of 64 million packets per second and up to four 10Gbps or thirty-two 1Gbps ports can be installed in one chassis.

Test performance of 10Gig devices and services

Agilent Technologies N2X provides wire-speed traffic generation, routing protocol emulation and analysis for the development and deployment of routers and switches with 10 GbE or POS Packet over SONET/SDH interfaces. A real-time traffic generator, with multi-profile traffic scheduler, thousands of streams, programmable field modifiers and payloads, combines with real-time layer 1 to 4 transmit and receive statistics to provide verification of functionality, performance and scalability of devices and networks.

Test security and functionality of 10Gig devices and services

BreakingPoint Systems are designed to test content-aware networks and network equipment easily by generating defined realistic mixes of stateful converged application traffic with simultaneous security attacks on the same interface. A single appliance can generate and maintain up to 15 million simultaneous TCP sessions, 1.5 million new TCP sessions per second, 20 gigabits per second of Layer 4-7 traffic and 80 Gigabits per second of Layer 2-3 traffic

Test 10Gbps transmission

Sunrise Telecom's STT and XTT-5000 are standard tools used by many carriers for all kinds of transmission testing, including the qualification, installation, maintenance, monitoring, and troubleshooting of ethernet LAN and WAN networks operating at 10/100M, Gigabit and 10 Gigabit rates - including advanced features for testing up to Layer 4, including stacked VLAN (Q-in-Q) and MPLS. XTT-5000 provides carrier-grade 10/100, GigE and 10GigE testing in a hand-held tester with exceptional battery life.

Tap, filter and aggregate 10Gig traffic

VSS Monitoring managed network access taps cater for a wide range of applications including monitoring 10GigE networks. The 10Gig Distributed Filter Tap is a uniquely flexible traffic capture tool that features 4 XFP ports, 16 UTP ports and 8 SFP ports.

Capture 10Gig traffic for deep-packet analysis

Niksun' NetVCR provides data capture, storage and deep-packet analysis for both network performance and security applications - and is now available with support for 10G and OC-48 interfaces.

Protect 10Gig networks with IDS/IPS

Based on Snort ® , the de facto standard for intrusion detection and prevention (IDS/IPS), the Sourcefire 3D9800 Sensor is the industry's first-shipping 10Gbps IPS appliance - a purpose-built IPS appliance that can be deployed in inline or passive mode in many areas of the network - at the perimeter, DMZ, core, or at critical internal network segments.