

STATEFUL ETHERNET TRAFFIC GENERATION AND ANALYSIS PLATFORM

Xena's Vulcan test platform makes it easy to generate stateful Layer 4-7 Ethernet traffic and analyze how advanced networking devices and infrastructure perform in a wide range of real-world scenarios.

This makes it ideal for validating firewalls, switches, routers, NAT routers, proxies, load-balancers, bandwidth shapers and so on.

SOFTWARE



Main application for configuring, generating and analyzing stateful Ethernet traffic



A library of application traffic and protocols in pcap format

CHASSIS



VulcanBay

- 24 million TCP Concurrent Connections (CC)
- 6 million TCP Connections Per Second (CPS)
- 7 million Transactions Per Second (TPS)
- 1.1 million TLS Concurrent Sessions



VulcanCompact

- 14 million TCP Concurrent Connections (CC)
- 5 million TCP Connections Per Second (CPS)
- 2.8 million Transactions Per Second (TPS)
- 550,000 TLS Concurrent Sessions

SPEEDS

<100 MB	✓ 1 GE	✓ 2.5 GE	✓ 5 GE	✓ 10 GE	✓ 25 GE	✓ 40 GE	50 GE	100 GE	200 GE	400 GE
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REDUCE THE COST OF DATA-PLANE TESTING WITH VULCAN

Vulcan makes it easy to generate stateful Layer 4-7 Ethernet traffic and then analyze how firewalls, switches, routers, NAT routers, proxies, load-balancers, bandwidth shapers and so on perform in a wide range of real-world scenarios.

Vulcan is available in two chassis: the high-performance VulcanBay which supports testing up to 40GE with 24 million Concurrent Connections (CC) or 6 million Connections Per Second (CPS) and 7 million Transactions Per Second (TPS)

Or the smaller VulcanCompact which can test up to 10GE with 14 million TCP Concurrent Connections (CC), 5 million TCP Connections Per Second (CPS) and 2.8 million Transactions Per Second (TPS).

VulcanManager is a free Windows-based application used for configuring, generating and analyzing stateful Ethernet traffic up to 40Gbps. VulcanManager supports TLS 1.2 performance testing e.g. handshakes per second, TLS throughput, concurrent TLS connections, etc., with different cipher suites and certificate key sizes on a DUT that decrypts traffic on one side and encrypts on the other.

Also included is VulcanAppMix, a library of application traffic and protocols in pcap format that makes it easy to set up large-scale realistic traffic from various applications, using pre-defined and customizable mix templates.

KEY FEATURES

- Stateful TCP traffic load generation with extreme performance
- High throughput of TLS encrypted traffic
- Configuration and tuning of Ethernet, IP and TCP header fields for advanced traffic scenarios
- Extensive live stats and test reports
- Wire-speed traffic capture with up to 4 million packets capacity
- Switched and routed network topologies, TCP proxy and NAT support
- Free traffic generation and analysis software included (VulcanManager)
- Scalable application emulation for performance testing with real-world protocols, applications, and traffic mixes from VulcanAppMix

LEARN MORE ABOUT VULCAN

Main product page: www.xenetworks.com/vulcan

Online demo: www.xenetworks.com/livedemo

Request a quote: sales@xenetworks.com

XENA PRODUCT RANGE

VALKYRIE



Layer 2-3 Traffic
Generator & Analysis
Platform

VANTAGE



Layer 2-3 Ethernet
Production Line
Tester

CHIMERA



Network
Impairment
Emulator

VULCAN



Stateful Traffic
Generator & Analysis
Platform

SAFIRE



Enterprise
Firewall Performance
Tester