

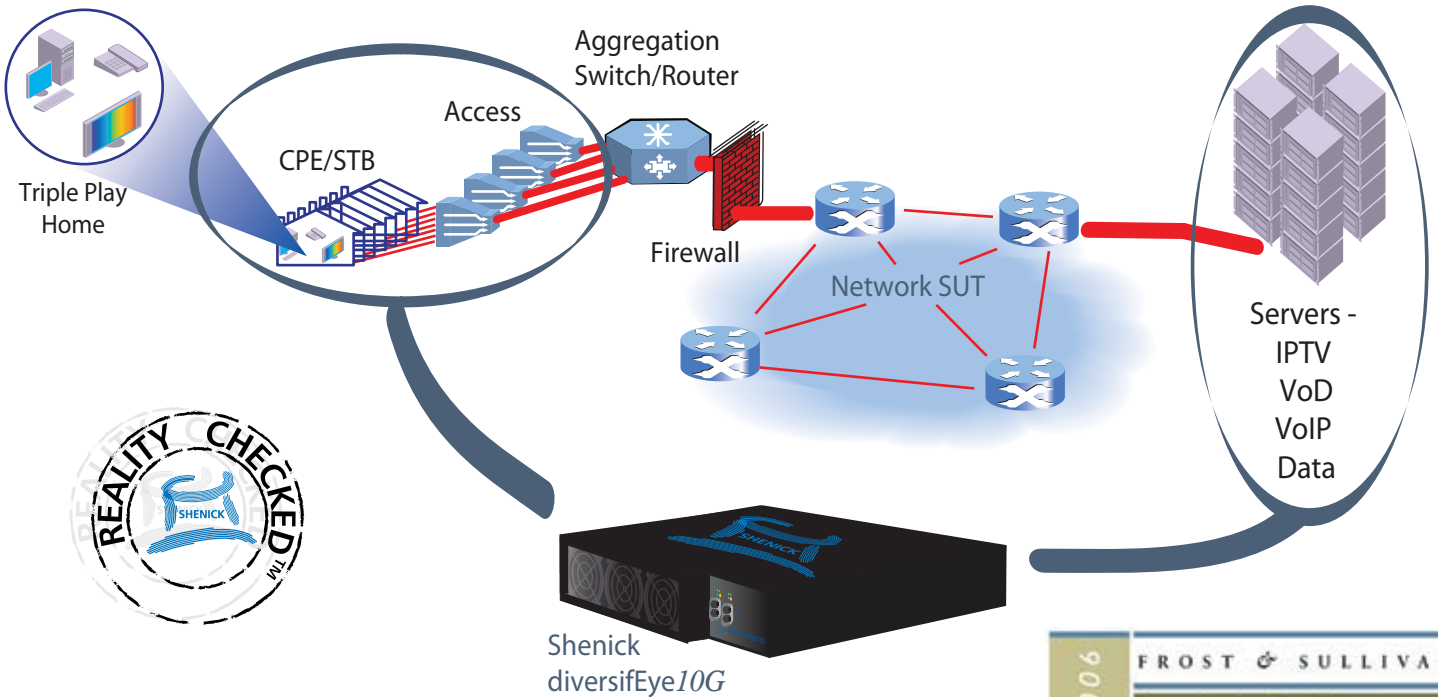
10G**diversifEye10G™****FIRST IN EXTREME 10Gig PERFORMANCE TESTING FOR CONVERGED IP APPLICATIONS!**

diversifEye10G is the world's first high performance 10Gbps STATEFUL IP application traffic emulator, supporting a full range of Layer 2-7 tests in a single module

Prior to the introduction of *diversifEye10G*, testing at 10Gig levels was restricted to stateless 'packet blasting' which did not reflect the real world, creating a limited high performance testing environment. Now, *diversifEye10G* offers an extreme level of stateful, converged services and IP application traffic emulation and performance testing.



diversifEye10G reflects the real stresses induced by the aggregated triple play of IPTV, VoD, VoIP and Data Applications from access to network core. In addition, networks must cope with the proliferation of security attacks such as DDoS, SPAM and Viruses. *diversifEye10G* offers the ability to launch massive security attacks to really test the capability of networks to mitigate against such intrusions while still offering a high quality end user experience.

**Sample diversifEye10G Applications**

Scalability testing of IPTV and triple play services.

As IPTV service deployments move from hundreds of thousands to millions of viewers, huge increases in performance are being demanded at aggregation and transport nodes which must be thoroughly tested.

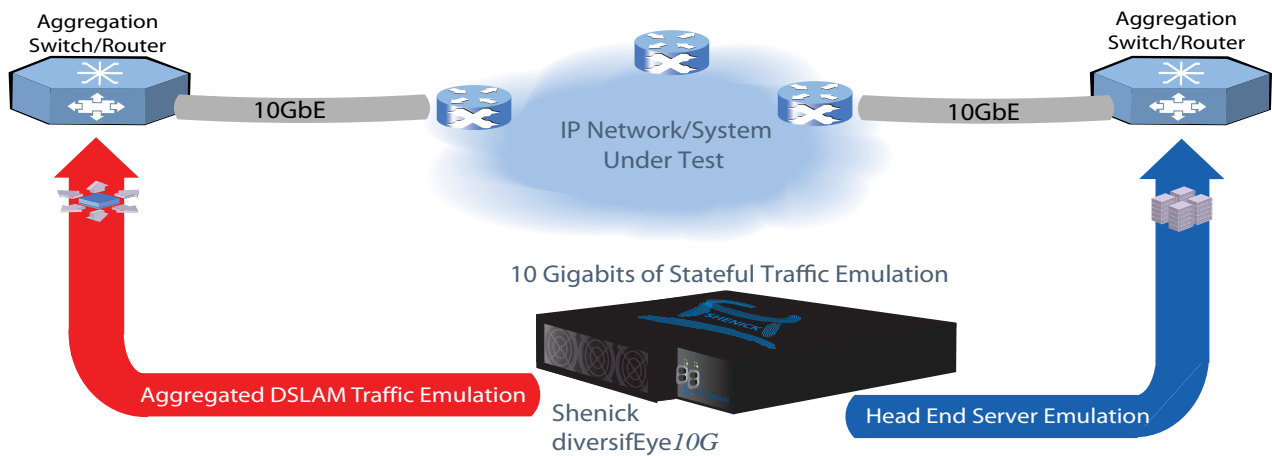
Testing high performance firewalls/IPS/IDS security attack mitigation.

Understanding the limitations that huge traffic volumes of attack and SPAM traffic coupled with regular application flows, places increasing performance strains on networks, resulting in reduced end consumer quality of experience.

IMS Core Capabilities

Assessing the capabilities of new IMS core networks to handle QoS and bandwidth hungry applications such as IP video.





Sample diversifEye10G DSLAM Aggregation Test

diversifEye10G™ Overview

10 Gigabit Ethernet Module Interface Specification

- Number of Ports 2
- Optics Pluggable XFP SR/LR

Software Applications

- Multicast IPTV test supporting IGMPv1,2,3 & MLDv1,2
- Video On Demand (RTSP)
- Voice over IP (SIP/RTP)
- Optional Voice Analysis - both Passive R Factor and Active analysis PESQ
- Optional Video Analysis - both Passive TVQM and Active analysis PEVQ
- HTTP (Client and/or Server Emulation)
- SMTP & POP3 (Server & Client Emulation)
- P2P (peer to peer)
- DHCPv4, DHCPv6
- Service Layer PPPoE and VLAN (incl. double tagged)
- Security attack emulation with DDoS and Virus/Worm Attacks
- FTP (passive and active)
- IPv4/IPv6

Scalability

Multiple diversifEye10G chassis may be daisy chained together and controlled from one central GUI.

SUMMARY KEY FEATURES AND BENEFITS

- High performance 10GbE, real world stateful IP services and applications emulation for full broadband access cycle test from layer 2 (ex: PPPoE, VLAN) through to Layer 7 and beyond (ex: IPTV, VoD).
- Only integrated 10Gig converged IP test system covering Video, Voice and Data applications with inbuilt security attack testing.
- Easier to setup, manage and control from a single GUI.
- Exceptional price performance - Complete 10Gbps package with extreme levels of stateful application flow output and overall reduced port count.
- Scalability testing involving multiples of 10Gbps ports can be easily created and controlled from a single GUI by daisy chaining diversifEye10G chassis together.

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