Radware and Ixia

Solution Overview
The Radware and Ixia partnership delivers a security solution consisting of Radware DefensePro (x412 Series IPS, specifically 4412); Ixia Bypass™ (IBPO-HBSR-XFP); and Ixia xBalancer™ (XF-2XB).

DefensePro and xBalancer
Radware’s award-winning DefensePro solution is a real-time network attack prevention device that protects the application infrastructure against network and application downtime, application vulnerability and exploitation, malware spread, network anomalies, information theft and other emerging network attacks.

Ixia’s xBalancer helps organizations handle increasing traffic volumes without investing in new 10G capital equipment. The solution not only minimizes CAPEX, but also eliminates the operational expense of training and integrating new tools. In addition, xBalancer dramatically raises the efficiency, security and availability of the network by reducing or bypassing IPS failures.

DefensePro includes the set of security modules—Intrusion Prevention System (IPS), Network Behavioral Analysis (NBA), Denial-of-Service (DoS) Protection and Reputation Engine—to fully protect networks against known and emerging network security threats. It is based on standard signature detection technology to prevent the known application vulnerabilities. The core of DefensePro is patent-protected, behavioral-based, real-time signatures technology that detects and mitigates emerging network attacks in real time such as zero-minute attacks, DoS/DDoS attacks and application misuse attacks.

The Ixia and Radware partnership, incorporating the Radware DefensePro platform with its flexible deployment options and administration capabilities, makes possible the superior adaptability, and management needed to deploy state-of-the-art data security solutions.

xBalancer
Ixia xBalancer is the first appliance in the industry built specifically to prevent tool overburdening by distributing the traffic load to multiple monitoring tools. xBalancer’s load-balancing capability splits traffic into multiple streams so that data can be processed by two or more tools working in parallel. It takes traffic from any network port or aggregated set of network ports and distributes it to two, three, four, or up to eight monitor ports for balancing according to IP address, port, protocol, VLAN, and MAC address, or other parameters.

Integration Benefits
- Scalable deployment
- Handle increasing traffic volumes without investing in new 10G capital equipment
- Protect your application infrastructure against network and application downtime
- Prevent device failure through easy-to-implement high availability features
By enabling already-integrated 1G tools to fill an expanded role, xBalancer helps organizations handle increasing traffic volumes without investing in new 10G capital equipment. Best of all, xBalancer dramatically raises the efficiency, security and availability of the network itself by reducing or bypassing IPS failures.

**Bypass Switches**

The bypass switch will monitor the xBalancer and in case of failure, protect the network link in in-line deployments. The bypass switch will also immediately detect the change, either by link-state or by loss of the heartbeats, and will re-route traffic around the xBalancer. Once xBalancer is brought back online, traffic automatically resumes. Ixia offers a range of bypass switches, with copper or fiber ports, and speeds of 10/100/1000 Mbps and 10 Gbps. The bypass switches provide redundant power to maximize reliability of the network.

**Ixia**

Ixia develops amazing products so its customers can connect the world. Ixia helps its customers provide an always-on user experience through fast, secure delivery of dynamic connected technologies and services. Through actionable insights that accelerate and secure application and service delivery, Ixia’s customers benefit from faster time to market, optimized application performance and higher-quality deployments.

**Radware**

Radware is the global leader in integrated application delivery and application security solutions for business-smart networking. The company assures the complete availability, performance, and security of business-critical applications for enterprises and carriers worldwide.

Radware’s award-winning products deliver the most advanced application delivery and application security capabilities required today.

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